

**BACHELORS OF HOTEL MANAGEMENT AND CATERING
TECHNOLOGY**

BIRLA INSTITUTE OF TECHNOLOGY



CHOICE BASED CREDIT SYSTEM (CBCS) CURRICULUM

(Effective from Academic Session: Monsoon 2018)

DEPARTMENT OF HOTEL MANGEMENT AND CATERING TECHNOLOGY

Institute Vision

To become a Globally Recognized Academic Institution in consonance with the social, economic and ecological environment, striving continuously for excellence in education, research, and technological service to the National needs.

Institute Mission

- To educate students at Under Graduate, Post Graduate, Doctoral, and Post-Doctoral levels to perform challenging engineering and managerial jobs in industry.
- To provide excellent research and development facilities to take up Ph.D. programmes and research projects.
- To develop effective teaching learning skills and state of art research potential of the faculty.
- To build national capabilities in technology, education, and research in emerging areas.
- To provide excellent technological services to satisfy the requirements of the industry and overall academic needs of society.

Department Vision:

To become a globally recognized hospitality institution for creating skilled human resource to meet the professional Hospitality Industry needs across the globe.

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- To create salubrious environment to provide excellent state of the art facilities meeting the hospitality industry requirement.
- To provide excellent technological support to bridge the gap between academic and industry to fulfill the overall academic need of the society.
- To ensure all round development of the students and to create a platform for turning out hospitality professional who can assume leadership position in society.
- To provide high quality course structure to enable qualified professionals to meet the hospitality needs globally.
- To develop effective teaching skill and research potentials of the faculty members.

Graduate Attributes

- a) Develop students with an in-depth understanding of the operational aspects and knowledge of the underlying principles of the hotel industry.
- b) Making students familiar with the practical aspects of the hospitality industry.
- c) Develop professional skills of strategic management issues involved in operating hotels and train students for operational, supervisory and management positions.
- d) Enhance the techniques of advanced technological uses in hotel industry.
- e) *Business Knowledge* – Students will be able to master the key frameworks, models, and skills that reflect the body of knowledge in their major and will apply discipline-based habits of analytical thinking to problems and opportunities. Be skilled in the analysis of both qualitative information and quantitative data.
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- k) *Multicultural and Diversity* – Students, particularly those who pursue the degree in international business concentration, will develop an awareness and understanding of the cultural issues that impact business operations in a global society.

- 1) *Demonstrate learning* – Enhancing skills in hospitality core areas at various position of specialization addressing customer satisfaction.

Programme Educational Objectives (PEOs)

- To develop capability to understand the fundamentals of Hotel industry for analyzing the business problems with futuristic approach.
- To foster a confident and competent graduate capable to solve real life practical Hotel Industry problems fulfilling the obligation towards society.
- To inculcate an attitude for identifying and undertaking developmental work both in Industry as well as academic environment with emphasis to continuous learning enabling to excel in competitive participation at a global level.
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BIRLA INSTITUTE OF TECHNOLOGY- MESRA, RANCHI
NEW COURSE STRUCTURE of BHMCT Program - To be effective from July 2018- Based on CBCS & OBE model
Recommended scheme of study

Semester of Study (Recommended)	LEVEL	Category of course	Course Code	Courses	Mode of delivery & credits <i>L-Lecture; T-Tutorial; P-Practicals</i>			Total Credits <i>C- Credits</i>	
					L <i>(Periods/week)</i>	T <i>(Periods/week)</i>	P <i>(Periods/week)</i>		C
THEORY									
FIRST	First	FS <i>Foundation Sciences</i>	HM101	Food Science and Nutrition (FSN)	2	0	0	2	
	First	HMCC <i>Hotel Management</i>	HM102	Food Production Foundation -I	3	1	0	4	
			HM103	Food and Beverage Service – I	3	1	0	4	
			HM104	Foundation Course in Room Division - I	3	0	0	3	
	First	MC <i>Mandatory Course</i>	MC 101/102/103/ 104	Choice of : NCC/NSS/ PT & Games/ Creative Arts (CA)	0	0	2	1	
	LABORATORIES								
	First	HMCC <i>Hotel Management Core Course</i>	HM105	Food Production Foundation Practical -I	0	0	6	3	
			HM106	Food and Beverage Service Practical – I	0	0	3	1.5	
			HM107	Foundation Course in Room Division Practical – I	0	0	3	1.5	
	TOTAL (Theory + Labs)					11 hrs = 11 Cr.	2 hrs = 2 Cr.	14 hrs= 7 Credits	20
THEORY									
SECOND	First	GHMC <i>General Hotel Management Course</i>	HM108	Business Computing	3	0	0	3	
	First	HMCC <i>Hotel Management Core Course</i>	HM109	Food Production Foundation -II	3	1	0	4	
			HM110	Food and Beverage Service – II	3	1	0	4	
			HM111	Foundation Course in Room Division - II	3	0	0	3	
	First	MC <i>Mandatory Course</i>	MC 105/106/107/ 108	Choice of : NCC/NSS/ PT & Games/ Creative Arts (CA)	0	0	2	1	
	LABORATORIES								
	First	GHMC <i>General Hotel Management Course</i>	HM112	Business Computing Practical	0	0	3	1.5	
	First	HMCC <i>Hotel Management Core Course</i>	HM113	Food Production Foundation Practical -II	0	0	6	3	
			HM114	Food and Beverage Service Practical – II	0	0	3	1.5	
			HM115	Foundation Course in Room Division Practical – II	0	0	3	1.5	
TOTAL (Theory + Labs)					12 hrs = 12 cr.	2 hrs. = 2 cr.	17 hrs= 8.5 credits	22.5	
GRAND TOTAL FOR FIRST YEAR								42.5	
THEORY									
	Second	GHMC <i>General Hotel Management Course</i>	HM201	Introduction to Tourism, Travel and Hospitality Industry	3	0	0	3	
		HMCC	HM202	Food Production Operation -I	3	1	0	4	

THIRD	Second	<i>Hotel Management Core Course</i>	HM203	Food and Beverage Service – III	3	1	0	4	
			HM204	Accommodation Operation – I	3	0	0	3	
			HM205	Front Office Operation – I	3	0	0	3	
	Second	<i>MC Mandatory Course</i>	MC 201/202/2	Choice of : NCC/NSS/ PT & Games/ Creative Arts (CA)		0	0	2	1
				LABORATORIES					
	Second	<i>HMCC Hotel Management Core Course</i>		HM206	Food Production Operation Practical - I	0	0	6	3
				HM207	Food and Beverage Service Practical– III	0	0	3	1.5
				HM208	Accommodation Operation Practical – I	0	0	3	1.5
				HM209	Front Office Operation Practical -I	0	0	3	1.5
	TOTAL (Theory + Labs)					hrs. = 15	2 hrs = 2 Credit	17 hrs= 8.5 Credits	25.5
THEORY									
FOURTH	Second	<i>GHMC General Hotel Management Course</i>	HM210	Basic Accounting	3	0	0	3	
									Second
	HM212	Food and Beverage Service – IV	3	0	0	3			
	HM213	Accommodation Operation – II	3	0	0	3			
	HM214	Front Office Operation – II	3	0	0	3			
	First	<i>FS Foundation Sciences</i>	CE101	Environmental Science	2	0	0	2	
	Second	<i>MC Mandatory Course</i>	MC 205/206/2	Choice of : NCC/NSS/ PT & Games/ Creative Arts (CA)		0	0	2	1
				LABORATORIES					
	Second	<i>HMCC Hotel Management Core Course</i>		HM215	Food Production Operation Practical - II	0	0	6	3
				HM216	Food and Beverage Service Practical– IV	0	0	3	1.5
HM217				Accommodation Operation Practical – II	0	0	3	1.5	
HM218				Front Office Operation Practical -II	0	0	3	1.5	
TOTAL (Theory + Labs)					hrs. = 17	0	17 hrs= 8.5 Credits	25.5	
GRAND TOTAL FOR SECOND YEAR									
								51	
THEORY					L (Periods/ week)	T (Periods /week)	P (Periods /week)	C	
FIFTH	Third	<i>GHMC General Hotel Management Course</i>	HM301	Industrial Training (18 WEEKS)	0	0	0	20	
TOTAL (Industrial Training)					0	0	0	20	
THEORY									
SIXTH	Third	<i>FS Foundation Sciences</i>	HM306	Diet Therapy	2	0	0	2	
									Third
	Third	<i>GHMC General Hotel</i>	HM307	Hotel Marketing	3	0	0	3	
			HM308	CRM in Hospitality Industry	3	0	0	3	
	First	<i>HSS Humanities & Social Sciences</i>	MT123	Business Communication	2	0	2	3	
	Third	<i>PE Program</i>	#	Program Elective I	3	0	0	3	
Program Elective II				3	0	0	3		
LABORATORIES									

	Third	GHMC General Hotel Management Course	HM317	Personality Development Lab	0	0	3	1.5
	Third	PE Program Elective #	#	Program Elective III	0	0	3	1.5
TOTAL (Theory + Labs)					19 hrs = 19 Credits	0	8 hrs= 4 Credits	23
GRAND TOTAL FOR THIRD YEAR								43
THEORY					L (Periods/ week)	T (Periods /week)	P (Periods /week)	C
SEVENTH	Fourth	GHMC <i>General Hotel Management Course</i>	HM401	Tourism Operation	2	0	2	3
	Fourth	HSS <i>Humanities & Social Sciences</i>	HM402	Professional Practice Law& Ethics	2	0	0	2
	Second	MC <i>Mandatory Course</i>	MT204	Constitution of India	2	0	0	0
	Fourth	PE Program Elective #	#	Program Elective IV	3	0	0	3
		OE Open Elective *	*	Open Elective II	3	0	0	3
			*	Open Elective III	3	0	0	3
			*	Open Elective IV	3	0	0	3
LABORATORIES								
	Fourth	PE Program Elective #	#	Program Elective V	0	0	3	1.5
TOTAL (Theory + Labs)					18 hrs = 16 Credits	0	5 hrs= 2.5 Credits	18.5
THEORY								
EIGHTH	Fourth	Program Core	HM 400	Research Project / Industry Internship	0	0	0	12
TOTAL								12
GRAND TOTAL FOR FOURTH YEAR								30.5
TOTAL CREDITS								167

* Students of BHMCT program will opt Open Elective offered by other departments.

Students may opt program electives (PE) from the list

Note:

As MOOC is offered under OE, it does not add up to the total credits independently

Department Of Hotel Management and Catering Technology
PROGRAMME ELECTIVES (PE)*
OFFERED FOR LEVEL 1-4

PE / LEVEL	PE	Code no.	Name of the PE courses	(Prerequisites - Nil for all the courses) Corequisites Courses with code	L	T	P	C
3	PE I	HM309	Advance Indian Cuisine	HM318 Advance Indian cuisine Practical	3	0	0	3
3		HM311	Advance Food and Beverage Service	HM319 Advance Food and Beverage Service Practical	3	0	0	3
3		HM313	Front Office Management - I	HM314 Front Office Management - II Front Office Management Practical	3	0	0	3
3		HM315	Accommodation Management - I	HM316 Accommodation Management - II HM321 Accommodation Management Practical	3	0	0	3
3	PE II	HM310	Food Production and Bakery Management	NIL	3	0	0	3
3		HM312	Food and Beverage Control	NIL	3	0	0	3
3		HM314	Front Office Management - II	HM313 Front Office Management - I Front Office Management Practical	3	0	0	3
3		HM316	Accommodation Management - II	HM315 Accommodation Management - I HM321 Accommodation Management Practical	3	0	0	3
3	PE III	HM318	Advance Indian Cuisine Practical	HM309 Advance Indian Cuisine	0	0	3	1.5
3		HM319	Advance Food and Beverage Service Practical	HM311 Advance Food and Beverage Service	0	0	3	1.5
3		HM320	Front Office Management Practical	HM313 Front Office Management - I HM314 Front Office Management - II	0	0	3	1.5
3		HM321	Accommodation Management Practical	HM315 Accommodation Management - I HM316 Accommodation Management - II	0	0	3	1.5
4	PE IV	HM403	International Cuisine	HM407 International Cuisine Practical	3	0	0	3
4		HM404	Food and Beverage Management	HM408 Food and Beverage Management practical	3	0	0	3
4		HM405	Advance Front Office Management	HM409 Advance Front Office Management practical	3	0	0	3
4		HM406	Advance Accommodation Management	HM410 Advance Accommodation Management practical	3	0	0	3
4	PE V	HM407	International Cuisine Practical	HM403 International Cuisine	0	0	3	1.5
4		HM408	Food and Beverage Management practical	HM404 Food and Beverage Management	0	0	3	1.5
4		HM409	Advance Front Office Management practical	HM405 Advance Front Office Management	0	0	3	1.5
4		HM410	Advance Accommodation Management practical	HM406 Advance Accommodation Management	0	0	3	1.5

* PROGRAMME ELECTIVES: Offered to the students of BHMCT program

DEPARTMENT OF Hotel Management and Catering Technology
OPEN ELECTIVES (OE)*
OFFERED FOR LEVEL 1-4

OE / LEVEL	Code no.	Name of the OE Courses	Prerequisites Courses with code	L	T	P	C
2	HM224	Retail Management	NIL	3	0	0	3
3	HM322	Hospitality Marketing	NIL	3	0	0	3
3	HM323	Tourism Management	NIL	3	0	0	3
3	HM324	Consumer Behavior	NIL	3	0	0	3
3	HM325	Hotel Entrepreneurship	NIL	3	0	0	3
3	HM326	Event Management	NIL	3	0	0	3

*** OPEN ELECTIVES: Offered to the students of other UG programs**

**Department Of Hotel Management and Catering Technology
Minor in HMCT**

Semester of Study (Recommended)	Level	Category of course	Course Code	Courses	Mode of delivery & credits <i>L-Lecture; T-Tutorial; P-Practicals</i>			Total Credits <i>C-Credits</i>		
					L (Periods/ week)	T (Periods/ week)	P (Periods/ week)			
FIFTH	Second	Minor #	THEORY					C		
			HM219	Fundamentals of Hospitality & Tourism	2	0	0	2		
			HM220	Food Production	3	0	0	3		
			HM221	Food & Beverage service	3	0	0	3		
			LABORATORIES							
			HM222	Food Production Practical	0	0	3	1.5		
			HM223	Food & Beverage service Practical	0	0	3	1.5		
TOTAL (Theory + Labs)					8 hrs = 8 Credits	0	6 hrs= 3 Credits	11		
SIXTH	Third	Minor #	THEORY					C		
			HM302	Front Office	3	0	0	3		
			HM303	Accommodation Operation	3	0	0	3		
			LABORATORIES							
			HM304	Front Office Practical	0	0	3	1.5		
			HM305	Accommodation Operation Practic	0	0	3	1.5		
TOTAL (Theory + Labs)					6 hrs = 6 Credits	0	6 hrs= 3 Credits	9		
				Total Credit				20		
# Minor in HMCT: Offered to students of other UG Programs to earn Minor in HMCT										

BIRLA INSTITUTE OF TECHNOLOGY- MESRA, RANCHI
NEWCOURSE STRUCTURE - Effective from July 2018- Based on CBCS system & OBE model
Recommended scheme of study

Specialization: TOURISM MANAGEMENT								
S.No	Semester of Study (Recommended)	Category of course	Course Code	Subjects	Mode of delivery & credits <i>L-Lecture; T-Tutorial; P-Practicals</i>			Total Credits <i>C- Credits</i>
THEORY					L (Periods/week)	T (Periods/week)	P (Periods/week)	C
1	VI	Specialization	HM327	Travel Agencies and Tour Operations	3	0	0	3
2			HM328	E Tourism	3	0	0	3
LABORATORIES								
3		Specialization	HM329	Introduction to Ticketing Practical	0	0	4	2
TOTAL (Theory + Labs)					6 hrs = 6 Credits	0	4 hrs = 2 Credits	8
THEORY					L (Periods/week)	T (Periods/week)	P (Periods/week)	C
4	VII	Specialization	HM411	Exhibition	3	0	0	3
5			HM412	Destination Studies	3	0	0	3
6			HM413	Adventure Tourism	3	0	0	3
7			HM414	Tourism Concept and Impact	3	0	0	3
TOTAL (Theory + Labs)					12 hrs = 12 Credits	0	0	12
GRAND TOTAL								20

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SYLLABUS

COURSE INFORMATION SHEET

Course code: HM 101
Course title: Food Science and Nutrition
Pre-requisite(s): NIL
Co- requisite(s): NIL
Credits: 2 L: 2 T: P:
Class schedule per week: 02
Class: BHMCT
Semester / Level: First / First
Branch: HMCT
Name of Teacher:

Course Objectives

This course envisions to impart to students to:

1.	Understand characteristics and metabolism of carbohydrate.
2.	Know characteristics and metabolism of protein
3.	Understand characteristics and metabolism of lipid.
4.	Understand the biochemical role of vitamins and molecular aspects of transport.
5.	Outline general characteristic of microorganisms based on its occurrence, structure.

Course Outcomes

After the completion of this course, students will be to:

CO1	Classify nutrients, carbohydrate and describe structure, properties and metabolism of carbohydrate.
CO2	Classify protein and describe structure, properties and metabolism of protein.
CO3	Classify lipids and describe structure, properties and metabolism of lipid.
CO4	Ascertain the molecular aspects of transport and classify vitamins, describe biochemical role of inorganic elements.
CO5	Reproduce general characteristic of micro-organisms, common food borne diseases by pathogens its preventive measures.

SYLLABUS

MODULE	(NO. OF LECTURE HOURS)
<p>Module – I</p> <p>Carbohydrate: Classification of Nutrients. Carbohydrates - Definition, Classification. Structure and properties on stereoisomerism, optical isomerism, and reducing action of sugars. Metabolism of carbohydrate. Glycolysis, TCA cycle & energy generation. Electron transport chain and oxidative phosphorylation.</p>	7
<p>Module- II</p> <p>Protein: Proteins - Definition, Classification, Structure: primary, secondary, tertiary and quaternary structure of proteins; Properties of proteins with emphasis on isoelectric pH, salting in and out, and heat coagulation. Amino acids - Classification, types, functions. General reaction of amino acid metabolism, urea cycle.</p>	7
<p>Module – III</p> <p>Lipids: Lipids - Definition, Classification & Properties with emphasis on saponification number, iodine number and rancidity of fats. Fatty acids - composition, properties, types. Digestion & Absorption. Oxidation and biosynthesis of fatty acids (saturated & mono-unsaturated)</p>	7
<p>Module- IV</p> <p>Vitamins and Minerals: Vitamins: Chemistry and biochemical role of fat-soluble vitamins. A. D. E. and K. Water soluble vitamins – B₁, B₂, B₆. Minerals: Biochemical role of inorganic elements. Molecular aspects of transport; Passive diffusion, facilitated diffusion, active transport.</p>	7
<p>Module - V</p> <p>Microbiology: General characteristic of microorganisms-based structure, factors affecting their growth in food (intrinsic and extrinsic), Microorganism Growth Phase, Microbial Food Spoilage, Controlling Food Spoilage, Food-Borne Diseases, Detection of Food-Borne Pathogens, Waterborne Diseases.</p>	7

Text books:

1. Murray, R.K., Granner, D.K., Mayes, P.A. and Rodwell, V.W. *Harpers Biochemistry*. Macmillan Worth Publishers, 2000.
2. Nelson, D.L. and Cox, M.M. *Lehninger's Principles of Biochemistry*, Macmillan Worth Publishers. 2000.
3. Devlin, T.M. *Text book of Biochemistry with Clinical Correlations*, Wiley Liss Inc, 1997. Stryer, L. *Biochemistry*, WH Freeman and Co.,1998.
4. Rolando Mota. Linda Sherwood & Christophe Woolverton *Prescott, Harley, and Klein's Microbiology*.: McGraw-Hill NY, 2008.
5. Swaminathan, M., *Handbook of Food and Nutrition*, The Bangalore Press, 1978.

Reference books:

1. Voet, D. Voet, J.G. and Pratt, C.W., *Fundamentals of Biochemistry*. Wiley, 1999.
2. Tietz, N.W. *Fundamentals of Clinical Chemistry*. WB Saunders Co., 1976.
3. King, E.J. and Wootton, I.D.P. *Micro-Analysis in Medical Biochemistry*. J and A Churchill Ltd., 1956.
4. Conn, E.E., Stumpf, P.K., Bruening, G. and Doi, R.H.: Ed. *Outlines of Biochemistry*, John Wiley and Sons, 2001.

Gaps in the syllabus (to meet Industry/Profession requirements) - Nil

POs met through Gaps in the Syllabus - N/A

Topics beyond syllabus/Advanced topics/Design - N/A

POs met through Topics beyond syllabus/Advanced topics/Design – N/A

Course Outcome (CO) Attainment Assessment tools & Evaluation procedure

Direct Assessment

Assessment Tool	% Contribution during CO Assessment
First Quiz	10
Mid Semester Examination	25
Second Quiz	10
Teacher's Assessment	5
End Semester Examination	50

Indirect Assessment

1. Student's Feedback on Course Outcome.

Mapping of Course Outcomes onto Program Outcomes

Course Outcome	Program Outcomes (POs)												Program Specific Outcomes (PSOs)		
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
CO1	3	1	1	1	1		1	1	1	1	1	1	3	2	1
CO2	3	1	1	1	1	1	1	1	2	1	1	1	3	2	2
CO3	3	1	1	2	1	1	1	2	2	1	1	1	3	2	2
CO4	3		1	3			1	3	2	2	2	1	3	2	2
CO5	3	3	1		2	2	1	3	1	2	2	1	3	2	1

Correlation Levels 1, 2 or 3 as defined below:

- 1: Slight (Low) 2: Moderate (Medium) 3: Substantial (High)

Mapping Between COs and Course Delivery (CD) methods

CD	Course Delivery methods	Course Outcome	Course Delivery Method Used
CD1	Lecture by use of boards/LCD projectors	CO1	CD1, CD8
CD2	Tutorials/Assignments	CO2	CD1, CD8
CD3	Seminars	CO3	CD1, CD8
CD4	Mini projects/Projects	CO4	CD1, CD8
CD5	Laboratory experiments/teaching aids	CO5	CD1, CD8
CD6	Industrial/guest lectures		
CD7	Industrial visits/in-plant training		
CD8	Self- learning such as use of NPTEL materials and internets		
CD9	Simulation		

COURSE INFORMATION SHEET

Course code: HM 102
Course title: Food Production Foundation I
Pre-requisite(s): NIL
Co- requisite(s): NIL
Credits: 4 L: 3 T: 1 P:
Class schedule per week: 03
Class: BHMCT
Semester / Level: First/ First
Branch: HMCT
Name of Teacher:

Course Objectives

This course envisions to impart to students to:

1.	Understand the basic knowledge of working in a professional kitchen.
2.	Know the kitchen equipment, safety procedure, fuels, fire, firefighting and first aids.
3.	Understand the use of various ingredients in kitchen and their preparation
4.	Explain the use of different methods of cooking
5.	Understand the basic bakery preparations

Course Outcomes

After the completion of this course, students will be able to:

CO1	Describe the professional kitchen.
CO2	Classify kitchen equipment; conceptualize the safety procedure, fuels usages and precautions, fire, firefighting and first aids.
CO3	Classify Herbs, spices, cereals, pulses, fruits and vegetables and Milk & Milk product
CO4	Apply different methods of cooking
CO5	Explain the basic bakery preparations

SYLLABUS

MODULE	(NO. OF LECTURE HOURS)
<p>Module – I</p> <p>Kitchen Organization : Introduction, Definition, and its importance; Personal & Kitchen Hygiene, Uniform, Protective clothing, Kitchen Layouts (Basic, Bulk and Show kitchens), Hierarchy of Kitchen Department, Classical Kitchen Brigade, Modern Staffing in various hotels, Duties & Responsibilities of various chefs in kitchen, their attributes; coordination of kitchen with other departments.</p>	9
<p>Module- II</p> <p>Kitchen Equipment, Fuels & Safety: Kitchen Equipment, Classification, Description, Usage, Upkeep and Storage, Kitchen Tools, Knives, Their Usage, Care & Maintenance, Workstations, Safety Procedures, Fuel – Types, Usage and Precautions. Fire - Introduction, Types and handling fires and usage of extinguishers; First Aid- Basic Burns, Scalds, Cuts.</p>	9
<p>Module – III</p> <p>Ingredients used in cooking: Herbs & Spices, Cereals and Pulses, Fruits and Vegetables, and Salt, Sweeteners, Fat, Milk and Milk Products: - Introduction, Types, Purchasing, Storing Considerations and their key uses in kitchen.</p>	9
<p>Module- IV</p> <p>Methods of Cooking: Introduction, Definition, and its importance; Types- Baking, Broiling, Grilling, Frying, Steaming, Stewing, Poaching, Poeling, Roasting, Frying, Sautéing, Braising Cooking with Microwave, Ovens, Gas, Induction Plates and other such media. HACCP Standards and Professional Kitchens</p>	9
<p>Module - V</p> <p>Bakery and Confectionary Principles –Types of ovens used. Ingredients used in Bakery – Wheat and wheat products, flour-types, uses and storage, Different Methods of Bread Making.</p>	9

Text Books:

1. Parvinder S Bali, *Food Production Operations*. Oxford University Press, 2014.
2. Philip E. Thangam, *Modern Cookery (Vol- I)*, Orient Longman, 1946.
3. R. Kinton & V. Cessarani, *Foundation Practical Cookery*, Hodder Education, 2009.
4. D. Foskett, R. Kinton & V. Cessarani *Theory of Catering*. Hodder & Stoughton Educational, 1999.
5. K. Arora, *Theory of Cookery*, Frank Brothers, 1992.

Reference Books:

1. Wayne Gislen, *Professional Cooking*. Le Cordon Bleu, 2002.
2. Le Rol A. Polsom, *The Professional Chef*. Oxford Publication, 2003.

3. M.D.Donovan, *Cooking Essentials for the New Professional Chef*, John Wiley and Sons, 2001.
4. M J Leto & W K H Bode, *Larder Chef*. Butterworth- Heinemann, 1969.
5. R.J. Kauffman & H. Cracknell, *Practical Professional Cookery*, Thomson, 1999

Gaps in the syllabus (to meet Industry/Profession requirements) - Nil

POs met through Gaps in the Syllabus - N/A

Topics beyond syllabus/Advanced topics/Design - N/A

POs met through Topics beyond syllabus/Advanced topics/Design – N/A

Course Outcome (CO) Attainment Assessment tools & Evaluation procedure

Direct Assessment

Assessment Tool	% Contribution during CO Assessment
First Quiz	10
Mid Semester Examination	25
Second Quiz	10
Teacher's Assessment	5
End Semester Examination	50

Indirect Assessment

1. Student's Feedback on Course Outcome.

Mapping of Course Outcomes onto Program Outcomes

Course Outcome	Program Outcomes (POs)												Program Specific Outcomes (PSOs)		
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
CO1	3	3	3	1	1	1		2	1	1	2	3	3	3	1
CO2	3	3	3	2	1	1		2	3	2		3	3	3	2
CO3	3	3	3		2	1		1	1	3	2	3	3	3	2
CO4	3	2	3	2	3	1		2	2	1		3	3	3	2
CO5	3	2	3	2	3	1		2	2	1		3	3	3	1

Correlation Levels 1, 2 or 3 as defined below:

- 1: Slight (Low) 2: Moderate (Medium) 3: Substantial (High)

Mapping between COs and Course Delivery (CD) methods

CD Code	Course Delivery Methods	Course Outcome	Course Delivery Method Used
CD1	Lecture by use of Boards/LCD Projectors	CO1	CD1, CD8
CD2	Tutorials/Assignments	CO2	CD1, CD8
CD3	Seminars	CO3	CD1, CD8, CD2
CD4	Mini Projects/Projects	CO4	CD1, CD8, CD2
CD5	Laboratory Experiments/Teaching Aids	CO5	CD1, CD8, CD2
CD6	Industrial/Guest Lectures		
CD7	Industrial Visits/In-plant Training		
CD8	Self- learning such as use of NPTEL Materials and Internets		
CD9	Simulation		

COURSE INFORMATION SHEET

Course code: HM 103
Course title: Food & Beverage Service I
Pre-requisite(s): NIL
Co- requisite(s): NIL
Credits: 4 L: 3 T: 1 P:
Class schedule per week: 04
Class: BHMCT
Semester / Level: First / First
Branch: HMCT
Name of Teacher:

Course Objectives

This course envisions to impart to students to:

1.	Gain a basic understanding of the food & beverage industry.
2.	Understand the organization structure of F&B department of various types of hotel.
3.	Examine the role of various types of F&B outlets and ancillary areas.
4.	Understand the use of various types of F&B equipment.
5.	Learn different types of food & beverage service.

Course Outcomes

After the completion of this course, students will be able to:

CO1	Classify food & beverage sector.
CO2	Explain the organization structure of F&B department of hotel.
CO3	Differentiates between various types of food & beverage outlets and ancillary areas.
CO4	Identify different types of Food & Beverage Equipment.
CO5	Differentiate between different food and beverage service methods.

SYLLABUS

MODULE	(NO. OF LECTURE HOURS)
Module – I The Hotel & Catering Industry: Introduction to the hotel industry & the growth of the hotel industry in India, role of catering establishment in the travel/tourism industry. Classification of F & B sector, commercial and welfare catering.	9
Module- II Departmental Organization & Staffing: Organization of F& B department of hotel. Principle staff of various types of F & B Operation. French term related to F & B Staff. Duties & responsibilities of F & B Staff, Attributes of F & B Staff.	9
Module – III Food & Beverage Service Areas (F & B Outlets): Specialty restaurants, Coffee Shop, Cafeteria, Fast food (Quick service restaurant), Grill room, Banquet, Bar, Executive lounge, Vending machines, Discotheque, Night club.	9
Module- IV Ancillary Department and Food & Beverage Service Equipment: Pantry, Food pick-up Area/ Hot plate point, Store, Linen room, Kitchen stewarding. Familiarization & Selection factors of Cutlery, Crockery, Glassware, Flatware, Hollowware, all other equipment used in F & B Service.	9
Module - V Food & Beverage Service Methods: Table Service- Silver/English Service, American, Butler/ French, Russian, Self Service- Buffet & Cafeteria. Single Point Service-Take Away, Vending, Kiosk, Food Courts & Bars.	9

Textbooks:

1. Lillicrap Dennis R., *Food & Beverage Service*, Hodder Arnold Publication, 2006.
2. Singaravelavan R. *Food & Beverage Services*, Oxford Publications, 2011

Reference books:

1. Dhawan, Vijay, *Food & Beverage Service* - Franc Brothers, 2009.
2. Walker R. John, *The Restaurant (From Concept to Operation)*, Wiley, 2013
3. Andrioli, Sergio, Douglas, Peter, *Professional Food Service*, Heinemann Professional, 1990

Gaps in the syllabus (to meet Industry/Profession requirements)- Nil

POs met through Gaps in the Syllabus - N/A

Topics beyond syllabus/Advanced topics/Design - N/A

POs met through Topics beyond syllabus/Advanced topics/Design – N/A

Course Outcome (CO) Attainment Assessment tools & Evaluation procedure

Direct Assessment

Assessment Tool	% Contribution during CO Assessment
First Quiz	10
Mid Semester Examination	25
Second Quiz	10
Teacher's Assessment	5
End Semester Examination	50

Indirect Assessment –

1. Student's Feedback on Course Outcome

Mapping of Course Outcomes onto Program Outcomes

Course Outcome	Program Outcomes (POs)												Program Specific Outcomes (PSOs)		
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
CO1	3	3	2	1	2			1		1	1	2	3	3	2
CO2	3	3	2		2	2		1		1	1	2	3	3	2
CO3	3	3	2	1	2			2	1	1	1	2	3	3	2
CO4	3	3	2	2	2	1		1	2	1	1	2	3	3	2
CO5	3	3	2	2	2	1		2	1	1	2	2	3	3	2

Correlation Levels 1, 2 or 3 as defined below:

- 1: Slight (Low) 2: Moderate (Medium) 3: Substantial (High)

Mapping between COs and Course Delivery (CD) methods

CD Code	Course Delivery Methods	Course Outcome	Course Delivery Method Used
CD1	Lecture by use of Boards/LCD Projectors	CO1	CD1, CD8
CD2	Tutorials/Assignments	CO2	CD1, CD8
CD3	Seminars	CO3	CD1, CD8, CD2
CD4	Mini Projects/Projects	CO4	CD1, CD8
CD5	Laboratory Experiments/Teaching Aids	CO5	CD1, CD8, CD2
CD6	Industrial/Guest Lectures		
CD7	Industrial Visits/In-plant Training		
CD8	Self- learning such as use of NPTEL Materials and Internets		
CD9	Simulation		

COURSE INFORMATION SHEET

Course code: HM104
Course title: Foundation Course in Room Division -1
Pre-requisite(s): NIL
Co- requisite(s): NIL
Credits: 3 L: 3 T: P:
Class schedule per week: 03
Class: BHMCT
Semester / Level: First/ First
Branch: HMCT
Name of Teacher:

Course Objectives

This course envisions to impart to students to:

1.	Understand the fundamentals of hotel like size, category and classification.
2.	Design and create organizational structure of Housekeeping dept. of various sizes of hotel.
3.	Plan different types of guestrooms and design their layout.
4.	Describe various hotel chains operating in India.
5.	Understand organizational structure, layout and functioning of front office department.

Course Outcomes

After the completion of this course, students will be able to:

CO1	Classify hotels based on size, category and location and understand the importance of Housekeeping and front office dept.
CO2	Create organization structure for housekeeping department of various sizes of Hotel.
CO3	Explain different types of guestroom and design their layout.
CO4	Explain various hotel chain operating in India.
CO5	Explain the organization structure and functioning of front Office Department.

SYLLABUS

MODULE	(NO.OF LECTURE HOURS)
<p>Module – I</p> <p>Introduction to Room Division: Hotel: Meaning, classification, size, category, location etc. Room Division: Concept, Importance, classification, sections and sub-sections. Housekeeping: Meaning, Role of housekeeping in Hotel, its importance, different areas of the department, Layout of the department. Front office: Role of Front office and its importance, Functions of F.O. dept.</p>	8
<p>Module – II</p> <p>Organization of Housekeeping department: Organization structure of Housekeeping dept. (Small, medium, large hotels), Duties and responsibilities of H.K. staffs, Job description and Job specification, Personality traits of housekeeping personnel, Interdepartmental relationship with other departments, Role of Housekeeping in guest satisfaction.</p>	8
<p>Module – III</p> <p>Hotel Guestroom: Importance of Guestrooms to a guest, Types of guestrooms, layout (single, double, suit, twin etc.), Guest room supplies and amenities, Guestroom status, Guest floor rules.</p>	8
<p>Module- IV</p> <p>Introduction to major Indian Hotel group: Welcome group, Oberoi group, Taj group, Ambassador, HCI, Leela group, Park hotels, Jaypee hotels.</p>	8
<p>Module- V</p> <p>Front office organization: Organization structure of Front office dept. (small, medium, large hotels). Role and importance of various sub-section – Reservation, Reception, Information, Cash and Bills, Bell desk, Hospitality desk, Travel desk etc.</p>	8

Textbooks:

1. Andrews, Sudhir, *Hotel Housekeeping*, Tata McGraw Hill, 2009.
2. Raghubalan, G. *Hotel Housekeeping Operation and Management*, Oxford University press, 2007.
3. Bhatnagar, S.K., *Front Office Management*, Frank Bros. & Co. Ltd., 2013

Reference books:

1. Schneider, M. *The Professional Housekeeper*, Wiley, 1998
2. Jones, M. *Professional Management of Housekeeping operations*, Wiley, 2007
3. Branson, C, Lennox Margaret. *Hotel, Hostel & Hospital Housekeeping*, Hooper Education, 1988.
4. Kappa, Margret, Nitschke, Aleta. *Managing House Keeping Operation*, AHLA, 1997.
5. Allen, David. *Accommodation & Cleaning Services*, Vol I & Vol II, Hutchinson, 1983.

Gaps in the syllabus (to meet Industry/Profession requirements) - Nil

POs met through Gaps in the Syllabus - N/A

Topics beyond syllabus/Advanced topics/Design - N/A

POs met through Topics beyond syllabus/Advanced topics/Design – N/A

Course Outcome (CO) Attainment Assessment tools & Evaluation procedure

Direct Assessment

Assessment Tool	% Contribution during CO Assessment
First Quiz	10
Mid Semester Examination	25
Second Quiz	10
Teacher's Assessment	05
End Semester Examination	50

Indirect Assessment –

1. Student's Feedback on Course Outcome

Mapping of Course Outcomes onto Program Outcomes

Course Outcome	Program Outcomes (POs)												Program Specific Outcomes (PSOs)		
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
CO1	3	3	2		3	1	1	1	1	2	3	2	3	2	3
CO2	3	3	2		3	3	1	1	1	2	1	2	3	3	3
CO3	3	3	3	2	3	2	1	2	3	3	3	3	2	3	3
CO4	3	2	2	1	2	1			2	3	2	2	3	1	1
CO5	3	3	2	1	3	3	2	1	2	2	2	2	3	2	2

Correlation Levels 1,2 or 3 as defined below:

- 1: Slight (Low) 2: Moderate (Medium) 3: Substantial (High)

Mapping Between COs and Course Delivery (CD) methods

CD Code	Course Delivery methods	Course Outcome	Course Delivery Method Used
CD1	Lecture by use of boards/LCD projectors/OHP projectors	CO1	CD1, CD8
CD2	Tutorials/Assignments	CO2	CD1, CD8
CD3	Seminars	CO3	CD1, CD8
CD4	Mini projects/Projects	CO4	CD1, CD8
CD5	Laboratory experiments/teaching aids	CO5	CD1, CD8
CD6	Industrial/guest lectures		
CD7	Industrial visits/in-plant training		
CD8	Self- learning such as use of NPTEL materials and internets		
CD9	Simulation		

COURSE INFORMATION SHEET

Course code: HM 105
Course title: Food Production Foundation Practical – I
Pre-requisite(s): NIL
Co- requisite(s): NIL
Credits: 3 L: T: P: 6
Class schedule per week: 06
Class: BHMCT
Semester / Level: First / First
Branch: HMCT
Name of Teacher:

Course Objectives

This course envisions to impart to students to:

1.	Understand the basic knowledge of working in a professional kitchen.
2.	Learn kitchen equipment, safety procedure and hygiene.
3.	Understand the use of various ingredients in kitchen and their preparation
4.	Learn the use of different methods of cooking
5.	Understand the basic bakery preparations

Course Outcomes

After the completion of this course, students will be able to:

CO1	Describe the importance of professional kitchen, hygiene and grooming
CO2	Describe the kitchen equipment; the safety procedure, fuels usages and precautions, fire, firefighting and first aids.
CO3	Explain the Herbs, spices, cereals, pulses, fruits and vegetables, Milk and Milk product and their uses in kitchen
CO4	Apply different methods of cooking.
CO5	Prepare basic bakery items.

SYLLABUS

MODULE	(NO. OF PRACTICAL HOURS)
Module – I Hygiene Personal Hygiene & Kitchen Hygiene Grooming for Professional Kitchen – Do’s & don’ts	3
Module- II Kitchen Familiarization with kitchen equipment and tools Fuels –Their usage and precautions Kitchen First Aid, Handling Fire & HACCP Standards Do’s & Don’ts.	6
Module – III Common Ingredients Familiarization, identification of commonly used ingredients in kitchen Cuts of vegetables: Julienne, Jardinière, Dices, Cubes, Macedoine, Paysanne Shredding, Mire- poix, Blanching of Tomatoes and Capsicum. Vegetables –Their usage and cooking precautions	6
Module- IV Methods of Cooking: Boiling (potatoes, peas) Frying (Aubergine, Potatoes) Steaming (Cabbage) Braising (Potatoes) Braising (Onions, cabbage) (All moist heat, dry heat and combination heat cooking methods)	15
Module - V Fermented dough Bread (Bread Loaf-White and Brown), bread rolls (Various shapes), French bread and other fermented dough products	30

Textbooks:

1. D.D., Mary, *Cooking Essentials for the New Professional Chef*. John Wiley and Sons, 1997.
2. Parvinder S Bali, *Food Production Operations*. Oxford University Press, 2014.
3. Philip E. Thangam, *Modern Cookery (Vol- I)*, Orient Longman, 1946.
4. R. Kinton & V. Cessarani, *Foundation Practical Cookery*, Hodder Education, 2009.
5. R.J. Kauffman & H. Cracknell, *Practical Professional Cookery*, Thomson, 1999.

Reference books:

1. Wayne Gislen, *Professional Cooking*. Le Cordon Bleu, 2002.

2. Andrew Hale Feinstein and John M. Stefanelli, *Purchasing Selection and Procurement for the Hospitality Industry*. John Wiley and Sons, 2012

Gaps in the syllabus (to meet Industry/Profession requirements) - Nil

POs met through Gaps in the Syllabus - N/A

Topics beyond syllabus/Advanced topics/Design - N/A

POs met through Topics beyond syllabus/Advanced topics/Design – N/A

Course Outcome (CO) Attainment Assessment tools & Evaluation procedure

Direct Assessment

Assessment Tool	% Contribution during CO Assessment
Progressive Evaluation	60
End Sem. Evaluation	40

Indirect Assessment

1. Student's Feedback on Course Outcome.

Mapping of Course Outcomes onto Program Outcomes

Course Outcome	Program Outcomes (POs)												Program Specific Outcomes (PSOs)		
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
CO1	3	3	3	3	1	3		2		2	1	2	3	3	2
CO2	3	3	3	3	3	3		3	3	2	1	3	3	3	1
CO3	3	3	3	2	2	3		2		2	1	3	3	3	1
CO4	3	3	3	3	3	3	2	3	3	2	1	3	3	3	1
CO5	3	3	3	3	2	3		2	3	2	1	3	3	3	1

Correlation Levels 1, 2 or 3 as defined below:

- 1: Slight (Low) 2: Moderate (Medium) 3: Substantial (High)

Mapping Between COs and Course Delivery (CD) methods

CD Code	Course Delivery Methods	Course Outcome	Course Delivery Method Used
CD1	Lecture by use of Boards/LCD Projectors	CO1	CD5, CD8, CD1
CD2	Tutorials/Assignments	CO2	CD5, CD8, CD1
CD3	Seminars	CO3	CD5, CD8, CD1
CD4	Mini Projects/Projects	CO4	CD5, CD8
CD5	Laboratory Experiments/Teaching Aids	CO5	CD5, CD8
CD6	Industrial/Guest Lectures		
CD7	Industrial Visits/In-plant Training		
CD8	Self- learning such as use of NPTEL Materials and Internets		
CD9	Simulation		

COURSE INFORMATION SHEET

Course code: HM 106
Course title: Food and Beverage Service Practical - I
Pre-requisite(s): NIL
Co- requisite(s): NIL
Credits: 1.5 L T P: 3
Class schedule per week: 03
Class: BHMCT
Semester / Level: First /First
Branch: HMCT
Name of Teacher:

Course Objectives

This course envisions to impart to students to:

1.	Gain a basic understanding of the food & beverage industry.
2.	Understand the use of various types of F&B equipment.
3.	Learn the procedure of cleaning and polishing various types of glassware used in food & beverage service outlets.
4.	Learn various types of napkin folds and organize sideboard for service in a restaurant.
5.	Learn silver service.

Course Outcomes

After the completion of this course, students will be able to:

CO1	Identify different kinds of service equipment used in a restaurant.
CO2	Demonstrate the procedure of performing silver service in a restaurant.
CO3	Explain the procedures of cleaning & polishing glassware used in a restaurant.
CO4	Demonstrate different types of napkin folds & prepare side boards for service in a restaurant.
CO5	Handle some of the common situations arising in a restaurant.

SYLLABUS

MODULE	(NO. OF PRACTICAL HOURS)
Module – I Identification of equipment. Laying & relaying of tablecloth.	6
Module- II	6

Holding service gear, carrying a tray/ salver. Service of water.	
Module – III Placing meal plates & clearing soiled plates. Crumbing down.	6
Module- IV Stocking sideboard. Napkin folds.	6
Module - V Changing dirty ash tray. Cleaning & polishing glassware. Situation handling & role play.	9

Textbooks:

1. Singaravelavan R. *Food & Beverage Services*, Oxford Publications, 2011.
2. Lillicrap Dennis R., *Food & Beverage Service*, Hodder Arnold Publication, 2006

Reference books:

1. Prasad, Vara, Krishna R. Gopi, *Food & Beverage: F&B Simplified*, Pearson, 2013.
2. Andrioli, Sergio, Douglas, Peter, *Professional Food Service*, Heinemann Professional, 1990.

Gaps in the syllabus (to meet Industry/Profession requirements) - Nil

POs met through Gaps in the Syllabus - N/A

Topics beyond syllabus/Advanced topics/Design - N/A

POs met through Topics beyond syllabus/Advanced topics/Design – N/A

Course Outcome (CO) Attainment Assessment tools & Evaluation procedure

Direct Assessment

Assessment Tool	% Contribution during CO Assessment
Progressive Evaluation	60
End Sem. Evaluation	40

Indirect Assessment

1. Student's Feedback on Course Outcome.

Mapping of Course Outcomes onto Program Outcomes

Course Outcome	Program Outcomes (POs)												Program Specific Outcomes (PSOs)		
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
CO1	3	3	2	2	1	1						3	3	3	1
CO2	3	3	2	1	1	1						3	3	3	1
CO3	3	3	2	2	1							3	3	3	1
CO4	3	3	2		1	1		1				3	3	3	1
CO5	3	3	2	1	3	3	2	3		2	2	3	3	3	1

Correlation Levels 1, 2 or 3 as defined below:

1: Slight (Low) 2: Moderate (Medium) 3: Substantial (High)

Mapping Between COs and Course Delivery (CD) methods

CD Code	Course Delivery Methods	Course Outcome	Course Delivery Method Used
CD1	Lecture by use of Boards/LCD Projectors	CO1	CD5, CD8
CD2	Tutorials/Assignments	CO2	CD5, CD8
CD3	Seminars	CO3	CD5, CD8
CD4	Mini Projects/Projects	CO4	CD5, CD8
CD5	Laboratory Experiments/Teaching Aids	CO5	CD5, CD8, CD9
CD6	Industrial/Guest Lectures		
CD7	Industrial Visits/In-plant Training		
CD8	Self- learning such as use of NPTEL Materials and Internets		
CD9	Simulation		

COURSE INFORMATION SHEET

Course code: HM 107
Course title: Foundation Course in Room Division Practical-1
Pre-requisite(s): NIL
Co- requisite(s): NIL
Credits: 1.5 L: T: P: 3
Class schedule per week: 03
Class: BHMCT
Semester / Level: First / First
Branch: HMCT
Name of Teacher:

Course Objectives

This course envisions to impart to students to:

1.	Learn the layout of Housekeeping and Front office department.
2.	Understand organizational structure of Housekeeping department.
3.	Know the layout of different types of guestrooms.
4.	Understand the different types of guest supplies and amenities provided in the rooms.
5.	Understand the organisational structure of Front office department for different size of hotel.

Course Outcomes

After the completion of this course, students will be able to:

CO1	Design layout of Housekeeping and Front office department.
CO2	Create organizational structure of Housekeeping department.
CO3	Design layout of different types of guestrooms.
CO4	Create list of different types guest supplies and amenities provided in the room.
CO5	Design organisational structure of Front office department for different size of Hotel.

SYLLABUS

MODULE	(NO. OF PRACTICAL HOURS)
Module – I Layout of HK and FO dept. Designing the layout of the Housekeeping Designing the layout of Front office department.	9
Module – II Organizational structure of HK Creating organizational structure of Housekeeping department for Small hotel and Medium hotel Creating organizational structure of Housekeeping dept. for Large hotel	6
Module – III Layout of guestrooms Drawing layout of Single room and Double room Layout of Suite room and Twin room	6
Module- IV Guest supplies and amenities Preparing list of guest supplies and amenities.	6
Module- V Organizational structure of FO Creating organizational structure of Front office department for Small hotel. Organizational structure of Front office department for medium size hotel. Organizational structure of Front office department for Large size hotel.	9

Textbooks:

4. Andrews, Sudhir, *Hotel Housekeeping*, Tata McGraw Hill, 2009.
5. Raghubalan, G. *Hotel Housekeeping Operation and Management*, Oxford University press, 2007.
6. Bhatnagar, S.K., *Front Office Management*, Frank Bros. & Co. Ltd., 2013

Reference books:

1. Schneider, M. *The Professional Housekeeper*, Wiley, 1998
2. Jones, M. *Professional Management of Housekeeping operations*, Wiley, 2007

3. Branson, C, Lennox Margaret. *Hotel, Hostel & Hospital Housekeeping*, Hooder Education, 1988.
4. Kappa, Margret, Nitschke, Aleta. *Managing House Keeping Operation*, AHLA, 1997.
5. Allen, David. *Accommodation & Cleaning Services*, Vol I & Vol II, Hutchinson, 1983.

Gaps in the syllabus (to meet Industry/Profession requirements) - Nil

POs met through Gaps in the Syllabus - N/A

Topics beyond syllabus/Advanced topics/Design - N/A

POs met through Topics beyond syllabus/Advanced topics/Design – N/A

Course Outcome (CO) Attainment Assessment tools & Evaluation procedure

Direct Assessment

Assessment Tool	% Contribution during CO Assessment
Progressive Evaluation	60
End Evaluation	40

Indirect Assessment –

1. Student's Feedback on Course Outcome

Mapping of Course Outcomes onto Program Outcomes

Course Outcome	Program Outcomes (POs)												Program Specific Outcomes (PSOs)		
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
CO1	3	3	3	1	2	1	2	2	3	2	2	3	3	2	2
CO2	3	3	3		2	3	1	2	3	2	1	3	3	2	3
CO3	3	3	3	2	2	2	1	2	3	1	1	3	3	2	2
CO4	3	3	3		3	1	3	3	2	3	2	3	3	3	2
CO5	3	3	2	1	2	3	2	2	2	1	2	3	3	2	2

Correlation Levels 1,2 or 3 as defined below:

- 1: Slight (Low) 2: Moderate (Medium) 3: Substantial (High)

Mapping Between COs and Course Delivery (CD) methods

CD Code	Course Delivery methods	Course Outcome	Course Delivery Method Used
CD1	Lecture by use of boards/LCD projectors/OHP projectors	CO 1	CD5, CD8
CD2	Tutorials/Assignments	CO 2	CD5, CD8
CD3	Seminars	CO 3	CD5, CD8
CD4	Mini projects/Projects	CO 4	CD5, CD8
CD5	Laboratory experiments/teaching aids	CO 5	CD5, CD8
CD6	Industrial/guest lectures		
CD7	Industrial visits/in-plant training		
CD8	Self- learning such as use of NPTEL materials and internets		
CD9	Simulation		

COURSE INFORMATION SHEET

Course code: HM 108
Course title: Business Computing
Pre-requisite(s): NIL
Co- requisite(s): NIL
Credits: 3 L: 3 T: P:
Class schedule per week: 03
Class: BHMCT
Semester / Level: Second / First
Branch: HMCT
Name of Teacher:

Course Objectives

This course envisions to impart to students to:

1.	Understand the working of computer and its various functions.
2.	Explain the working of Word processor.
3.	Understand the working of Spreadsheet.
4.	Explain the working of PowerPoint
5.	Explain the working of Internet and its uses.

Course Outcomes

After the completion of this course, students will be able to:

CO1	Understand the basic function of computer parts.
CO2	Demonstrate the working in word processor
CO3	Create the spreadsheet
CO4	Prepare the presentation in power point.
CO5	Understand the working of Internet.

SYLLABUS

MODULE	(NO. OF LECTURE HOURS)
<p>Module – I</p> <p>Introduction to Computer Knowing computer: What is Computer, Basic Applications of Computer; Components of Computer System, Central Processing Unit (CPU), VDU, Keyboard and Mouse, Other input/output Devices, generation of computers, programming languages, Computer Memory, Concepts of Hardware and Software; Concept of Computing, Data and Information.</p>	8
<p>Module- II</p> <p>Understanding Word Processing Word Processing Basics; Opening and Closing of documents; Text creation and Manipulation; Formatting of text; Customizing the Word Application, Document Views, Table handling; Spell check, language setting and thesaurus; Printing of word document, Mail merge.</p>	8
<p>Module – III</p> <p>Understanding Spreadsheet Basics of Spreadsheet; Manipulation of cells; Workbook, Worksheet, Formatting in excel, Advanced formatting in Excel, Printing worksheets, Formulas and Functions; Editing of Spread Sheet, graph, switch between worksheets.</p>	8
<p>Module- IV</p> <p>Understanding Power point Basics of presentation software; Creating Presentation; Preparation and Presentation of Slides; Slide Show; Taking printouts of presentation / handouts. Using Master slide and various theme. Functions of mouse over and mouse click. Inserting various media – Image, video, audio. Insert and modify table and chart. Insert and edit animation and slide transition.</p>	8
<p>Module - V</p> <p>Introduction to Internet, WWW and Web Browsers Basic of Computer networks; LAN, WAN; Concept of Internet; Applications of Internet; connecting to internet; What is ISP; Knowing the Internet; World Wide Web; Web Browsing software, Search Engines; Understanding URL; Domain name; IP Address; Using e-governance website, e mail, introduction to e-Commerce.</p>	8

Textbooks:

1. Jaiswal, S, *Fundamental of Information Technology*, Galgotia Publications Pvt. Ltd., 1999.
2. Seal, Pratim Partho, *Computers in Hotel*, Oxford Publication, 2013.

3. Jain, Satish, Geetha, M, *MS Office 2010 Training Guide*, BPB Publication, 2010.

Reference books:

1. Kumar, Bittu, *Microsoft Office 2010*, V&S Publisher, 2013.

Gaps in the syllabus (to meet Industry/Profession requirements) - Nil

POs met through Gaps in the Syllabus - N/A

Topics beyond syllabus/Advanced topics/Design - N/A

POs met through Topics beyond syllabus/Advanced topics/Design – N/A

Course Outcome (CO) Attainment Assessment tools & Evaluation procedure

Direct Assessment

Assessment Tool	% Contribution during CO Assessment
First Quiz	10
Mid Semester Examination	25
Second Quiz	10
Teacher’s Assessment	5
End Semester Examination	50

Indirect Assessment

1. Student’s Feedback on Course Outcome.

Mapping of Course Outcomes onto Program Outcomes

Course Outcome	Program Outcomes (POs)												Program Specific Outcomes (PSOs)		
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
CO1	3	3	1	3	1	3	1	1	3			2	1	2	2
CO2	1	1	3	2	2	3	1	1	2	1	1	3	2	2	1
CO3	1	1	3	2	2	3	1	1	2	1	1	3	2	2	1
CO4	1	1	3	2	2	3	1	1	2	1	1	3	3	2	1
CO5	2	2	3	2	2	3	1	1	2	1	1	3	2	1	1

Correlation Levels 1, 2 or 3 as defined below:

- 1: Slight (Low) 2: Moderate (Medium) 3: Substantial (High)

Mapping Between COs and Course Delivery (CD) methods

CD Code	Course Delivery Methods	Course Outcome	Course Delivery Method Used
CD1	Lecture by use of Boards/LCD Projectors	CO1	CD1, CD8
CD2	Tutorials/Assignments	CO2	CD1, CD8
CD3	Seminars	CO3	CD1, CD8
CD4	Mini Projects/Projects	CO4	CD1, CD8
CD5	Laboratory Experiments/Teaching Aids	CO5	CD1, CD8
CD6	Industrial/Guest Lectures		
CD7	Industrial Visits/In-plant Training		
CD8	Self- learning such as use of NPTEL Materials and Internets		
CD9	Simulation		

COURSE INFORMATION SHEET

Course code: HM 109
Course title: Food production Foundation II
Pre-requisite(s): NIL
Co- requisite(s): NIL
Credits: 4 L:3 T: 1 P:
Class schedule per week: 04
Class: BHMCT
Semester / Level: Second/First
Branch: HMCT
Name of Teacher:

Course Objectives

This course envisions to impart to students to:

1.	Understand the functioning of kitchen with different layouts.
2.	Know about stocks, sauces, and soups
3.	Understand the Eggs, Poultry and Meats cookery
4.	Understand the fish cookery
5.	Understand the dough, pastes and batters used in bakery

Course Outcomes

After the completion of this course, students will be able to:

CO1	Design the kitchen layout of different kitchen areas.
CO2	Classify stocks, sauces, and soups
CO3	Explain the Eggs, Poultry and Meats cookery
CO4	Explain the fish cookery
CO5	Assess the roles of ingredients used in bakery & different methods of cake making.

SYLLABUS

MODULE	(NO. OF LECTURE HOURS)
<p>Module – I</p> <p>Kitchen Layout Types of Kitchen, General Planning & Layout of Food Production outlets in a five-star Hotel, Layout of Receiving area, Storage area, Service & Wash up area.</p>	9
<p>Module- II</p> <p>Stocks, Sauces, and Soups Stocks: Introduction, Classification, Usage, Preparation; Sauces: Introduction, Classification, Usage, Thickening Agents, Preparation of Mother Sauces, understanding their derivatives, propriety sauces, making of good sauce, emerging trends, Soups: Introduction, Classification, Preparation, Salient Features, Care and precautions, trends in soup presentation</p>	9
<p>Module – III</p> <p>Eggs, Poultry and Meat Eggs–Introduction, Usage in Kitchen, Structure of Egg, Classification, Grading of Eggs, Types, Selection, Storage. Poultry and Game: Introduction, Classification, Selection Criterion, Cuts of Poultry, Yield and simple Indian preparations. Meat: Characteristics, selection and grading, Classification (Bovines, Ovine and Swine), Categories, Cuts of Meat, Storage and handling.</p>	9
<p>Module- IV</p> <p>Fishes in cooking Introduction, Types, Purchasing, Storing Considerations, Fish & Shellfish, Their Classification, Cuts of Fish, Popular Species of Fish, Classical Preparations of Fish, Common cooking methods used for sea food.</p>	9
<p>Module - V</p> <p>Bakery Ingredients and their role, Yeast, Shortenings (Fats & Oils) sugar & salt, Raising Agents. Types of dough – fermented and pastry. Shortening Agents. Types of batters – cakes, pancakes.</p>	9

Textbooks:

1. Arora, K, *Theory of Cookery*, Frank Brothers, 2008
2. Dubey, C, S, *Bakery & Confectionery*, Society of Indian Bakers, 2002
3. Philip E. Thangam, *Modern Cookery (Vol- I)*, Orient Longman, 1946.
4. R. Kinton & V. Cessarani, *Foundation Practical Cookery*, Hodder Education, 2009
5. Kinton, Ronald, Ceserani, Victor, *Theory of Catering*, Hodder Education, 2007

Reference Books:

1. Le Rol A. Polson, *The Professional Chef*. Oxford Publication, 2003.
2. R.J. Kauffman & H. Cracknell, *Practical Professional Cookery*, Thomson, 1999
3. M J Leto & W K H Bode, *Larder Chef*. Butterworth- Heinemann, 1969
4. Feinstein, Hale, Andrew, *Purchasing Selection and Procurement for the Hospitality Industry*, Wiley, 2016
5. Wayne Gislen, *Professional Cooking*. Le Cordon Bleu, 2002
6. Donovan Deirdre Mary, *Cooking Essentials for the New Professional Chef*, John Wiley, 1997.
7. Friberg Bo, *The Professional Pastry Chef, Fourth Edition*, Wiley & Sons, 2002

Gaps in the syllabus (to meet Industry/Profession requirements) - Nil

POs met through Gaps in the Syllabus - N/A

Topics beyond syllabus/Advanced topics/Design - N/A

POs met through Topics beyond syllabus/Advanced topics/Design – N/A

Course Outcome (CO) Attainment Assessment tools & Evaluation procedure

Direct Assessment

Assessment Tool	% Contribution during CO Assessment
First Quiz	10
Mid Semester Examination	25
Second Quiz	10
Teacher's Assessment	5
End Semester Examination	50

Indirect Assessment

1. Student's Feedback on Course Outcome.

Mapping of Course Outcomes onto Program Outcomes

Course Outcome	Program Outcomes (POs)												Program Specific Outcomes (PSOs)		
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
CO1	3	2	3	2	3	3	2	2	3	2		3	3	3	2
CO2	3	2	3	2	1	2		2	1	2		3	3	3	2
CO3	3	2	3	2	1	2		2	3	2		3	3	3	2
CO4	3	2	3	2	1	3	3	2	1	2		3	3	3	2
CO5	3	2	3	2	1	2		2	1	2		3	3	3	2

Correlation Levels 1, 2 or 3 as defined below:

1: Slight (Low) 2: Moderate (Medium) 3: Substantial (High)

Mapping Between COs and Course Delivery (CD) methods

CD Code	Course Delivery Methods	Course Outcome	Course Delivery Method Used
CD1	Lecture by use of Boards/LCD Projectors	CO1	CD1, CD8
CD2	Tutorials/Assignments	CO2	CD1, CD8
CD3	Seminars	CO3	CD1, CD8
CD4	Mini Projects/Projects	CO4	CD1, CD8
CD5	Laboratory Experiments/Teaching Aids	CO5	CD1, CD8
CD6	Industrial/Guest Lectures		
CD7	Industrial Visits/In-plant Training		
CD8	Self- learning such as use of NPTEL Materials and Internets		
CD9	Simulation		

COURSE INFORMATION SHEET

Course code: HM 110
Course title: Food and Beverage Service – II
Pre-requisite(s): NIL
Co- requisite(s): NIL
Credits: 4 L: 3 T: 1 P:
Class schedule per week: 04
Class: BHMCT
Semester / Level: Second /First
Branch: HMCT
Name of Teacher:

Course Objectives

This course envisions to impart to students to:

1.	Learn the various activities of restaurant.
2.	Learn menu
3.	Understand menu planning process
4.	Understand the checking system
5.	Gain basic understanding of beverage

Course Outcomes

After the completion of this course, students will be able to:

CO1	Demonstrate the flow of activities in a restaurant.
CO2	Explain different types of Menu, their features, advantages and limitations.
CO3	Identify factors influencing menu planning process.
CO4	Develop idea about the importance of checking system in the food service operations.
CO5	Explain the term beverage, its classification with examples in French and English.

SYLLABUS

MODULE	(NO. OF LECTURE HOURS)
Module – I Preparation for Service & Types of Meals Organizing mise-en-scene, Organizing mise-en –place. Early morning tea, Breakfast (English, American, Continental, Indian), Brunch, Lunch, Afternoon/High Tea, Dinner, Supper	9
Module- II Menu Planning: Origin of menu, Objectives of menu planning, Types of menu (A la carte, Table d’hôte, Carte de jour, Plate de jour, Cyclic, Special Menu – Diet menu, Children menu, Low Calorie menu etc.)	9
Module – III French Classical Menu: Courses and sequence of French Classical Menu, examples from each course, Classical food, Its accompaniments and cover.	9
Module- IV Sale Control System: KOT/Bill control system (Manual), Triplicate Checking System, Duplicate Checking System, Single Order Sheet, Quick Service Menu & Customer Bill. Making bill, Cash handling equipment, Record keeping (Restaurant Cashier).	9
Module - V Non-Alcoholic Beverage Definition, Classification and Characteristics. Tea- Origin & manufacture, Types & brands. Coffee - Origin & manufacture, Types & brands. Juices & soft drinks, Cocoa & other beverages, Origin & manufacture	9

Textbooks:

1. Lillicrap Dennis R., *Food & Beverage Service*, Hodder Arnold Publication, 2006.
2. Singaravelavan R. *Food & Beverage Services*, Oxford Publications, 2011

Reference books:

1. Dhawan, Vijay, *Food & Beverage Service* - Franc Brothers, 2009.
2. Walker R. John, *The Restaurant (From Concept to Operation)*, Wiley, 2013
3. Andrioli, Sergio, Douglas, Peter, *Professional Food Service*, Heinemann Professional, 1990.

Gaps in the syllabus (to meet Industry/Profession requirements) - Nil

POs met through Gaps in the Syllabus - N/A

Topics beyond syllabus/Advanced topics/Design - N/A

POs met through Topics beyond syllabus/Advanced topics/Design– N/A

Course Outcome (CO) Attainment Assessment tools & Evaluation procedure

Direct Assessment

Assessment Tool	% Contribution during CO Assessment
First Quiz	10
Mid Semester Examination	25
Second Quiz	10
Teacher's Assessment	5
End Semester Examination	50

Indirect Assessment

1. Student's Feedback on Course Outcome.

Mapping of Course Outcomes onto Program Outcomes

Course Outcome	Program Outcomes (POs)												Program Specific Outcomes (PSOs)		
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
CO1	3	3	2		2	2				1		2	3	3	1
CO2	3	3	2		2					2	2	2	3	3	2
CO3	3	3	2	1	2			3	2	2	2	2	3	3	2
CO4	3	3	2	2	3	2	2	3	2			2	3	3	1
CO5	3	3	2	2	2							2	3	3	1

Correlation Levels 1, 2 or 3 as defined below:

- 1: Slight (Low) 2: Moderate (Medium) 3: Substantial (High)

Mapping Between COs and Course Delivery (CD) methods

CD Code	Course Delivery Methods	Course Outcome	Course Delivery Method Used
CD1	Lecture by use of Boards/LCD Projectors	CO1	CD1, CD8
CD2	Tutorials/Assignments	CO2	CD1, CD8
CD3	Seminars	CO3	CD1, CD8, CD2
CD4	Mini Projects/Projects	CO4	CD1, CD8, CD2
CD5	Laboratory Experiments/Teaching Aids	CO5	CD1, CD8, CD2
CD6	Industrial/Guest Lectures		
CD7	Industrial Visits/In-plant Training		
CD8	Self- learning such as use of NPTEL Materials and Internets		
CD9	Simulation		

COURSE INFORMATION SHEET

Course code: HM 111
Course title: Foundation Course in Room Division -II
Pre-requisite(s): NIL
Co- requisite(s): NIL
Credits: 3 L: 3 T: P:
Class schedule per week: 03
Class: BHMCT
Semester / Level: Second/ First
Branch: HMCT
Name of Teacher:

Course Objectives

This course envisions to impart to students to:

1.	Understand the concept of cleaning science, various types of cleaning equipment methods applied in cleaning.
2.	Classify various types of cleaning agents and procedure of using them.
3.	Know the cleaning of guestrooms and public areas.
4.	Evaluate the procedure of star rating in Hotel.
5.	Compile various types of guest services available in hotels.

Course Outcomes

After the completion of this course, students will be able to:

CO1	Identify various cleaning equipment and standard cleaning procedure to be followed.
CO2	Identify various cleaning agents and procedure to be followed for using the cleaning agents.
CO3	Demonstrate the cleaning of Guestroom and public area.
CO4	Evaluate the process of giving star category to Hotels.
CO5	Demonstrate various guest services in hotels.

SYLLABUS

MODULE	(NO.OF LECTURE HOURS)
Module – I Cleaning Organization: Introduction, Reasons of cleaning, Standard of cleaning, Principles of cleaning. Types of soil, Nature of soil. Methods of cleaning: manual, mechanical. Cleaning equipment: Manual and mechanical. Care, storage and upkeep of cleaning equipment. Characteristics and selection of good cleaning equipment	8
Module – II Cleaning Agents: Definition, Function, Importance and Types of cleaning agent. Water: Sources, Types, effects, Method of softening water. Detergents: Composition, Types and action of detergents. Abrasives, Reagents, Organic solvent, disinfectant & Bleaches. Polishes, floor sealers, Floor strippers, carpet cleaners. Selection, storage of cleaning agents.	8
Module – III Cleaning of Guestrooms/ public areas: Daily cleaning of rooms (occupied, departure, vacant, VIP, under repair etc.), Periodic /spring cleaning/special cleaning, Evening service/second service. Public Area cleaning: Lobby, Restaurant, Bar, Corridor, Banquet hall, Swimming pool, offices etc.	8
Module – IV Requirement to be a star category hotel: Role of HRACC, FHRAI, Fees and format of application, Criteria for Approval, A and B class city requirements. Norms for Heritage Hotel	8
Module – V Guest Services: Handling Guest mail, Message handling, Custody & Control of Key, Guest room change, Left luggage handling.	8

Textbooks:

1. Andrews, Sudhir, *Hotel Housekeeping*, Tata McGraw Hill, 2009.
2. Raghubalan, G. *Hotel Housekeeping Operation and Management*, Oxford University press, 2007.
3. Bhatnagar, S.K., *Front Office Management*, Frank Bros. & Co. Ltd., 2013.

Reference books:

1. Schneider, M. *The Professional Housekeeper*, Wiley, 1998
2. Jones, M. *Professional Management of Housekeeping operations*, Wiley, 2007
3. Branson, C, Lennox Margaret. *Hotel, Hostel & Hospital Housekeeping*, Hooder Education, 1988.

4. Kappa, Margret, Nitschke, Aleta. *Managing House Keeping Operation*, AHLA, 1997.

Gaps in the syllabus (to meet Industry/Profession requirements) - Nil

POs met through Gaps in the Syllabus - N/A

Topics beyond syllabus/Advanced topics/Design - N/A

POs met through Topics beyond syllabus/Advanced topics/Design – N/A

Course Outcome (CO) Attainment Assessment tools & Evaluation procedure

Direct Assessment

Assessment Tool	% Contribution during CO Assessment
First Quiz	10
Mid Semester Examination	25
Second Quiz	10
Teacher's Assessment	5
End Semester Examination	50

Indirect Assessment –

1. Student's Feedback on Course Outcome

Mapping of Course Outcomes onto Program Outcomes

Course Outcome	Program Outcomes (POs)												Program Specific Outcomes (PSOs)		
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
CO1	3	3	2	3	2	1	3	1	1	1	2	3	3	2	3
CO2	3	3	2	3	3	3	2	1	-	2	1	3	3	3	2
CO3	3	3	3	1	2	2	2	-	1	3	2	2	3	3	3
CO4	3	3	3	3	3	3	1	3	2	2	2	1	3	2	3
CO5	3	3	2	1	3	2	1	2	2	3	2	3	3	3	3

Correlation Levels 1,2 or 3 as defined below:

- 1: Slight (Low) 2: Moderate (Medium) 3: Substantial (High)

Mapping Between COs and Course Delivery (CD) methods

CD Code	Course Delivery methods	Course Outcome	Course Delivery Method Used
CD1	Lecture by use of boards/LCD projectors/OHP projectors	CO1	CD1, CD8
CD2	Tutorials/Assignments	CO2	CD1, CD8
CD3	Seminars	CO3	CD1, CD8
CD4	Mini projects/Projects	CO4	CD1, CD8
CD5	Laboratory experiments/teaching aids	CO5	CD1, CD8
CD6	Industrial/guest lectures		
CD7	Industrial visits/in-plant training		
CD8	Self- learning such as use of NPTEL materials and internets		
CD9	Simulation		

COURSE INFORMATION SHEET

Course code: HM 112
Course title: Business Computing Practical
Pre-requisite(s): NIL
Co- requisite(s): NIL
Credits: 1.5 L: T: P: 3
Class schedule per week: 03
Class: BHMCT
Semester / Level: Second / First
Branch: HMCT
Name of Teacher:

Course Objectives

This course envisions to impart to students to:

1.	Understand the working of computer and its various functions.
2.	Explain the working of Word processor.
3.	Understand the working of Spreadsheet.
4.	Explain the working of PowerPoint
5.	Explain the working of Internet and its uses.

Course Outcomes

After the completion of this course, students will be able to:

CO1	Understand the basic function of computer parts.
CO2	Demonstrate the working in word processor
CO3	Create the spreadsheet
CO4	Prepare the presentation in power point.
CO5	Understand the working of Internet.

SYLLABUS

MODULE	(NO. OF PRACTICAL HOURS)
Module – I Introduction to Computer Introduction to various Hardware of computer Introduction to various software of computers	6
Module- II Understanding Word Processing Introduction to Word Processing and its basic feature Advance feature of Word Processing	6
Module – III Understanding Spreadsheet Introduction to Spreadsheet and its basic feature Advance feature of Spreadsheet Formulas used in Spreadsheet	9
Module- IV Understanding Power point Introduction to Power point and its basic feature Advance feature of Power point Preparation of Professional Power points.	9
Module - V Introduction to Internet, WWW and Web Browsers Introduction to Internet and its basic feature E – mail, Website: E Commerce sites, Introduction to Net Banking	6

Text Books:

1. Jaiswal, S, *Fundamental of Information Technology*, Galgotia Publications Pvt. Ltd., 1999.
2. Seal, PratimPartho, *Computers in Hotel*, Oxford Publication, 2013.
3. Jain, Satish, Geetha, M, *MS Office 2010 Training Guide*, BPB Publication, 2010.

Reference Books:

1. Kumar, Bittu, *Microsoft Office 2010*, V&S Publisher, 2013.

Gaps in the syllabus (to meet Industry/Profession requirements) - Nil

POs met through Gaps in the Syllabus - N/A

Topics beyond syllabus/Advanced topics/Design - N/A

POs met through Topics beyond syllabus/Advanced topics/Design – N/A

Course Outcome (CO) Attainment Assessment tools & Evaluation procedure

Direct Assessment

Assessment Tool	% Contribution during CO Assessment
Progressive Evaluation	60
End Sem. Evaluation	40

Indirect Assessment

1. Student's Feedback on Course Outcome.

Mapping of Course Outcomes onto Program Outcomes

Course Outcome	Program Outcomes (POs)												Program Specific Outcomes (PSOs)		
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
CO1	3	3	1	3	1	3	1	1	3			2	1	2	2
CO2	1	1	3	2	2	3	1	1	2	1	1	3	2	2	1
CO3	1	1	3	2	2	3	1	1	2	1	1	3	2	2	1
CO4	1	1	3	2	2	3	1	1	2	1	1	3	3	2	1
CO5	2	2	3	2	2	3	1	1	2	1	1	3	2	1	1

Correlation Levels 1, 2 or 3 as defined below:

- 1: Slight (Low) 2: Moderate (Medium) 3: Substantial (High)

Mapping Between COs and Course Delivery (CD) methods

CD Code	Course Delivery Methods	Course Outcome	Course Delivery Method Used
CD1	Lecture by use of Boards/LCD Projectors	CO1	CD5, CD8
CD2	Tutorials/Assignments	CO2	CD5, CD8
CD3	Seminars	CO3	CD5, CD8
CD4	Mini Projects/Projects	CO4	CD5, CD8
CD5	Laboratory Experiments/Teaching Aids	CO5	CD5, CD8
CD6	Industrial/Guest Lectures		
CD7	Industrial Visits/In-plant Training		
CD8	Self- learning such as use of NPTEL Materials and Internets		
CD9	Simulation		

COURSE INFORMATION SHEET

Course code: HM 113
Course title: Food Production Foundation Practical – II
Pre-requisite(s): NIL
Co- requisite(s): NIL
Credits: 3 L: T: P: 6
Class schedule per week: 06
Class: BHMCT
Semester / Level: Second/First
Branch: HMCT
Name of Teacher:

Course Objectives

This course envisions to impart to students to:

1.	Know stock and sauces with derivatives.
2.	Know various types of soup.
3.	Know varieties of egg dishes with accompaniments.
4.	Know meat, fish and poultry items.
5.	Know various products from different pastes and batters in bakery.

Course Outcomes

After the completion of this course, students will be able to:

CO1	Prepare stock and sauces with derivatives.
CO2	Prepare various types of soup.
CO3	Prepare varieties of egg dishes with accompaniments.
CO4	Prepare meat, fish and poultry items.
CO5	Prepare various products from different pastes and batters in bakery.

SYLLABUS

MODULE	(NO. OF PRACTICAL HOURS)
Module – I Preparation of Stocks Mother Sauces and at least two derivatives each.	6
Module- II Preparation of Soups (Minestrone, Consommés, Cream Soups, Puree Soups, Clear Soups, Bisques, Cold Soups, Chowders and others)	6
Module – III Egg Preparations with accompaniments: Hard boiled egg, soft boiled egg, fried eggs, poached eggs, scrambled eggs. Omelet (Plain, Spanish, Stuffed, French etc)	9
Module- IV Familiarization with poultry, meats & fishes – cuts and cooking	9
Module - V Varieties of biscuit dough, cake batters (all methods), products from pastes	30

Text books:

1. Arora, K, *Theory of Cookery*, Frank Brothers, 2008.
2. Dubey, C, S, *Bakery & Confectionery*, Society of Indian Bakers, 2002.
3. Thangam E. Philip, *Modern Cookery (Vol-I)*, Orient Longman, 2010.
4. Kinton, Ronald, Ceserani, Victor, *Practical Cookery*, Hodder Education, 2009.
5. Kinton, Ronald, Ceserani, Victor, *Theory of Catering*, Hodder Education, 2007.

Reference books:

1. Bocuse Paul, Keller, Thomas, *The Professional Chef (4th Edition)*, CIA Publication, 2011.
2. Kauffman, Cracknell, *Practical Professional Cookery*, Macmillan, 1999.
3. Leto, J, M, Bode, W.K.H, *Larder Chef*, Butterworth- Heinemann, 1999.
4. Feinstein, Hale, Andrew, *Purchasing Selection and Procurement for the Hospitality Industry*, Wiley, 2016.
5. Gisslen, Wayne, *Professional Cooking*, Le Cordon Bleu Publications, 2002.
6. Donovan Deirdre Mary, *Cooking Essentials for the New Professional Chef*, John Wiley, 1997.
7. Friberg Bo, *The Professional Pastry Chef, Fourth Edition*, Wiley & Sons, 2002.

Gaps in the syllabus (to meet Industry/Profession requirements) - Nil

POs met through Gaps in the Syllabus - N/A

Topics beyond syllabus/Advanced topics/Design - N/A

POs met through Topics beyond syllabus/Advanced topics/Design – N/A

Course Outcome (CO) Attainment Assessment tools & Evaluation procedure

Direct Assessment

Assessment Tool	% Contribution during CO Assessment
Progressive Evaluation	60
End Sem. Evaluation	40

Indirect Assessment

1. Student's Feedback on Course Outcome.

Mapping of Course Outcomes onto Program Outcomes

Course Outcome	Program Outcomes (POs)												Program Specific Outcomes (PSOs)		
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
CO1	3	3	2	2	3			1		2		3	3	3	2
CO2	3	3	2	2	1			1		2		3	3	3	2
CO3	3	3	2	2	1			1		2		3	3	3	2
CO4	3	3	2	2	1			1		2		3	3	3	2
CO5	3	3	2	2	1			1		2		3	3	3	2

Correlation Levels 1, 2 or 3 as defined below:

- 1: Slight (Low) 2: Moderate (Medium) 3: Substantial (High)

Mapping Between COs and Course Delivery (CD) methods

CD Code	Course Delivery Methods	Course Outcome	Course Delivery Method Used
CD1	Lecture by use of Boards/LCD Projectors	CO1	CD8, CD5
CD2	Tutorials/Assignments	CO2	CD8, CD5
CD3	Seminars	CO3	CD8, CD5
CD4	Mini Projects/Projects	C04	CD8, CD5
CD5	Laboratory Experiments/Teaching Aids	C05	CD8, CD5
CD6	Industrial/Guest Lectures		
CD7	Industrial Visits/In-plant Training		
CD8	Self- learning such as use of NPTEL Materials and Internets		
CD9	Simulation		

Course code: HM 114
Course title: Food and Beverage Service Practical – II
Pre-requisite(s): NIL
Co- requisite(s): NIL
Credits: 1.5 L: T: P: 3
Class schedule per week: 03
Class: BHMCT
Semester / Level: Second/First
Branch: HMCT
Name of Teacher:

Course Objectives

This course envisions to impart to students to:

1.	Know the restaurant set up and services.
2.	Know the covers for various meals
3.	Learn restaurant operation
4.	Understand tea and coffee service
5.	Understand the basics of menu planning.

Course Outcomes

After the completion of this course, students will be able to able to:

CO1	Set the food & beverage outlet before the service.
CO2	Demonstrate the practical ability to set the covers for various types of breakfasts and meals.
CO3	Demonstrate the practical ability to carry out activities in a restaurant.
CO4	Demonstrate practical ability in the preparation and service of tea and coffee.
CO5	Design menu.

MODULE	(NO. OF PRACTICAL HOURS)
Module – I Mise-en-scene, Mise-en-place.	6
Module- II Continental Breakfast Cover, American Breakfast Cover. English Breakfast Cover, Indian Breakfast Cover. A la carte Cover, Table d’ Hote Cover.	9
Module – III Taking guest reservations, receiving & seating of guests, order taking & Making a KOT, order processing. Sequence of service, Crumbing, Clearing the table, presentation &en-cashing the bill, presenting & collecting guest comment cards, seeing off the guest.	9
Module- IV Tea – Preparation & Service. Coffee – Preparation & Service.	6
Module - V Special food service (Cover, accompaniments & service). Writing a Menu in English.	6

Textbooks:

1. Lillicrap Dennis R., *Food & Beverage Service*, Hodder Arnold Publication, 2006.
2. Singaravelavan R. *Food & Beverage Services*, Oxford Publications, 2011.

Reference books:

1. Dhawan, Vijay, *Food & Beverage Service* - Franc Brothers, 2009.
2. Walker R. John, *The Restaurant (From Concept to Operation)*, Wiley, 2013.
3. Andrioli, Sergio, Douglas, Peter, *Professional Food Service*, Heinemann Professional, 1990.

Gaps in the syllabus (to meet Industry/Profession requirements) - Nil

POs met through Gaps in the Syllabus - N/A

Topics beyond syllabus/Advanced topics/Design - N/A

POs met through Topics beyond syllabus/Advanced topics/Design – N/A

Course Outcome (CO) Attainment Assessment tools & Evaluation procedure

Direct Assessment

Assessment Tool	% Contribution during CO Assessment
Progressive Evaluation	60
End Sem. Evaluation	40

Indirect Assessment

1. Student's Feedback on Course Outcome.

Mapping of Course Outcomes onto Program Outcomes

Course Outcome	Program Outcomes (POs)												Program Specific Outcomes (PSOs)		
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
CO1	3	3	2		2	1						3	3	3	1
CO2	3	3	2	2	2	1						3	3	3	1
CO3	3	3	2	2	2	1	2	2	3		1	3	3	3	1
CO4	3	3	2	2	2	2						3	3	3	1
CO5	3	3	2	1	2	2	2	3	2	1	2	3	3	3	1

Correlation Levels 1, 2 or 3 as defined below:

- 1: Slight (Low) 2: Moderate (Medium) 3: Substantial (High)

Mapping Between COs and Course Delivery (CD) methods

CD Code	Course Delivery Methods	Course Outcome	Course Delivery Method Used
CD1	Lecture by use of Boards/LCD Projectors	CO1	CD5, CD8
CD2	Tutorials/Assignments	CO2	CD5, CD8
CD3	Seminars	CO3	CD5, CD8
CD4	Mini Projects/Projects	CO4	CD5, CD8
CD5	Laboratory Experiments/Teaching Aids	CO5	CD5, CD8
CD6	Industrial/Guest Lectures		
CD7	Industrial Visits/In-plant Training		
CD8	Self- learning such as use of NPTEL Materials and Internets		
CD9	Simulation		

COURSE INFORMATION SHEET

Course code: HM 115
Course title: Foundation course in Room Division Practical-II
Pre-requisite(s): NIL
Co- requisite(s): NIL
Credits: 1.5 L: T: P: 3
Class schedule per week: 03
Class: BHMCT
Semester / Level: Second/ First
Branch: HMCT
Name of Teacher:

Course Objectives

This course envisions to impart to students to:

1.	Understand and use different types of cleaning equipment.
2.	Examine and use different types of cleaning agents.
3.	Plan the process of bathroom and guestroom cleaning.
4.	Develop skill for public area cleaning.
5.	Learn the process of guestroom, change and message handling.

Course Outcomes

After the completion of this course, students will be able to:

CO1	Identify and use different types of cleaning equipment.
CO2	Apply different types of cleaning agents in the cleaning process.
CO3	Explain the guestroom cleaning.
CO4	Explain the process of public area cleaning.
CO5	Explain the process of room change and message handling.

SYLLABUS

MODULE	(NO.OF PRACTICAL HOURS)
Module – I Introduction to Manual & Mechanical equipment Familiarization with Manual & Mechanical cleaning equipment. Identification of cleaning equipment. Functions of cleaning equipment.	9
Module – II Introduction to Cleaning agents Identification of cleaning agents. Application of different types of cleaning agents.	6
Module – III Cleaning guestrooms Guestrooms cleaning. Bathroom cleaning.	6
Module – IV Public area cleaning Public area cleaning (lobby, lounge, elevator, restaurants, coffee shops, staircase, corridor, banquet hall, swimming pool etc.)	9
Module – V Guestroom change and Message handling Guest room change procedure. Message handling procedure	6

Textbooks:

1. Andrews, Sudhir, *Hotel Housekeeping*, Tata McGraw Hill, 2009.
2. Raghubalan, G. *Hotel Housekeeping Operation and Management*, Oxford University press, 2007.

Reference books:

1. Schneider, M. *The Professional Housekeeper*, Wiley, 1998.
2. Jones, M. *Professional Management of Housekeeping operations*, Wiley, 2007.
3. Branson, C, Lennox Margaret. *Hotel, Hostel & Hospital Housekeeping*, Hooper Education, 1988.
4. Kappa, Margret, Nitschke, Aleta. *Managing House Keeping Operation*, AHLA, 1997.
5. Allen, David. *Accommodation & Cleaning Services*, Vol I & Vol II, Hutchinson, 1983.

Gaps in the syllabus (to meet Industry/Profession requirements) - Nil

POs met through Gaps in the Syllabus - N/A

Topics beyond syllabus/Advanced topics/Design - N/A

POs met through Topics beyond syllabus/Advanced topics/Design – N/A

Course Outcome (CO) Attainment Assessment tools & Evaluation procedure

Direct Assessment

Assessment Tool	% Contribution during CO Assessment
Progressive Evaluation	60
End Evaluation	40

Indirect Assessment –

1. Student's Feedback on Course Outcome

Mapping of Course Outcomes onto Program Outcomes

Course Outcome	Program Outcomes (POs)												Program Specific Outcomes (PSOs)		
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
CO1	3	3	2	1	2	1	3	2	2	2	2	3	3	3	3
CO2	3	3	3		2	3	2	2		3	1	3	3	3	3
CO3	3	3	3	2	2	2	2	2	3	2	1	3	3	3	3
CO4	3	3	3		3	1	1	1	2		2	3	3	3	2
CO5	3	3	3	2	3	3	1	2	2	3	3	3	3	3	2

Correlation Levels 1,2 or 3 as defined below:

- 1: Slight (Low) 2: Moderate (Medium) 3: Substantial (High)

Mapping Between COs and Course Delivery (CD) methods

CD Code	Course Delivery methods	Course Outcome	Course Delivery Method Used
CD1	Lecture by use of boards/LCD projectors/OHP projectors	CO1	CD5, CD8
CD2	Tutorials/Assignments	CO2	CD5, CD8
CD3	Seminars	CO3	CD5, CD8
CD4	Mini projects/Projects	CO4	CD5, CD8
CD5	Laboratory experiments/teaching aids	CO5	CD5, CD8
CD6	Industrial/guest lectures		
CD7	Industrial visits/in-plant training		
CD8	Self- learning such as use of NPTEL materials and internets		
CD9	Simulation		

COURSE INFORMATION SHEET

Course code: HM 201
Course title: Introduction to Tourism, Travel & Hospitality Industry
Pre-requisite(s): NIL
Co-requisite(s): NIL
Credits: 3 L: 3 T: P:
Class schedule per week: 03
Class: BHMCT
Semester/Level: Third/Second
Branch: HMCT
Name of Teacher:

Course Objectives

This course envisions to impart to students to:

1.	Learn the meaning and concepts of Hospitality Industry.
2.	Know the differentiate between forms and types of tourism.
3.	Understand between hospitality and non-hospitality goods.
4.	Know the various career prospects in hotel and tourism industry.
5.	Interpret the difference applications of tourism and hospitality product.

Course Outcomes

After the completion of this course, students will be able to:

CO1	Describe the meaning and concepts of hospitality and tourism.
CO2	Interpret the forms and types of tourism.
CO3	Develop the insight of hospitality and tourism products
CO4	Conceptualize the various aspects of hospitality and tourism sector
CO5	Illustrate different career opportunities in hospitality and tourism industry

SYLLABUS

MODULE	(NO. OF LECTURE HOURS)
<p>Module – I</p> <p>Introduction: Meaning and Nature of Tourism, The Historical Perspective of Tourism, The economic, social and cultural significance of tourism, tourist, Excursionist, Tourism Market, Tourism Resources, Tourism Product, Destination, Recreation, Pleasure, Relaxation.</p> <p>Forms & types of tourism: Inter–regional and intra–regional tourism, Inbound and Outbound tourism, Domestic, International tourism. Forms of Tourism: religious, historical, social, adventure, health, business, conferences, conventions, incentives, sports and adventure, senior tourism, special interest tourism like culture or nature oriented, ethnic or ‘roots’ tourism and VFR.</p>	8
<p>Module – II</p> <p>Indian culture: A brief introduction of Indian culture, architecture, dances & music, fair & festivals. Facilitators of Tourism: Accommodation - types of accommodation, classification of accommodation, Transportation: Types and Relevance in Tourism, Characteristics and Components of Tourism Industry. Why it is different from other types of consumer product?</p> <p>Origin and growth of Hospitality: Concept, origin and growth of Hospitality Industry, Hospitality as an industry & linkages with other industries, role in global and Indian economy. External environment and hospitality industry, Characteristics of the hospitality Industry. Major hotel chains operating in India. Future trends in Hospitality Industry.</p>	8
<p>Module – III</p> <p>Organization structure of hotel: Organization structure & Departments in hotels; Basic of Front office, Housekeeping, Food and Beverage (service & production), Engineering & Maintenance, Security, Human Resource dept., Sales & Marketing, Purchase & Stores, Accounts. Ancillary services, support services.</p>	8
<p>Module – IV</p> <p>Distribution Channel: Meaning & definition, Functions & levels of distribution channels, Major hospitality distribution channels - Travel agents, Tour operators, Consortia and reservation system, Global Distribution System (GDS), Internet.</p>	8
<p>Module – V</p> <p>Wings of Hospitality Industry: Hotels & Resorts, Restaurants & Commercial food services, Meeting & Event planning, Destination Managements companies (DMCs), Airlines, Cruises, etc.</p>	8

Textbooks:

1. Roday, Biswal, Joshi, *Tourism – Operations and Management*, Oxford Publications, 2010.
2. John R. Walker, *Introduction to Hospitality Management*, 2e, Pearson Education, 2008.

Reference books:

1. Sudhir Andrews, *Introduction to Tourism and Hospitality*, Tata McGraw Hill, 2010.
2. Charkes R. Goeldner, *Tourism principles, practices, philosophies*, John Wiley Pub, 2007.
3. A. K. Bhatia, *International Tourism*, Sterling Publications, 2006.
4. P. N. Seth, *Introduction to Hospitality*, Sterling Publications, 2001.

Gaps in the syllabus (to meet Industry/Profession requirements): Nil

POs met through Gaps in the Syllabus: -N/A

Topics beyond syllabus/Advanced topics/Design: -N/A

POs met through Topics beyond syllabus/Advanced topics/Design: -N/A

Course Outcome (CO) Attainment Assessment tools & Evaluation procedure

Direct Assessment

Assessment Tool	% Contribution during CO Assessment
First Quiz	10
Mid Semester Examination	25
Second Quiz	10
Teacher's Assessment	5
End Semester Examination	50

Indirect Assessment

1. Student's Feedback on Course Outcome.

Mapping of Course Outcomes onto Program Outcomes

Course Outcome	Program Outcomes (POs)												Program Specific Outcomes (PSOs)		
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
CO1	3	3	2	2		2	1	2	2	1	3	2	3	2	2
CO2	3	3	2	3	2	1	3	1	2	2	2	3	3	2	1
CO3	3	3	3	1	3	3	2	3	1	1	3	3	3	2	3
CO4	3	3	3	2	3	2	2	2	3	3	2	2	3	3	3
CO5	3	3	2	2	1	1	1	1	2	2	1	3	3	2	2

Correlation Levels 1, 2 or 3 as defined below:

- 1: Slight (Low) 2: Moderate (Medium) 3: Substantial (High)

Mapping Between COs and Course Delivery (CD) methods

CD Code	Course Delivery Methods	Course Outcome	Course Delivery Method Used
CD1	Lecture by use of boards/LCD projectors/OHP projectors	CO1	CD1, CD8
CD2	Tutorials/Assignments	CO2	CD1, CD8
CD3	Seminars	CO3	CD1, CD8
CD4	Mini projects/Projects	CO4	CD1, CD8
CD5	Laboratory experiments/teaching aids	CO5	CD1, CD8
CD6	Industrial/guest lectures		
CD7	Industrial visits/in-plant training		
CD8	Self- learning such as use of NPTEL materials and internets		
CD9	Simulation		

COURSE INFORMATION SHEET

Course code: HM 202
Course title: Food Production Operation I
Pre-requisite(s): NIL
Co- requisite(s): NIL
Credits: 4 L:3 T: 1 P:
Class schedule per week: 04
Class: BHMCT
Semester / Level: Third/Second
Branch: HMCT
Name of Teacher:

Course Objectives

This course envisions to impart to students to:

1.	Understand the North Indian cuisine.
2.	Understand the South Indian cuisine.
3.	Know uses of masalas, pastes and gravies and various agents in cooking.
4.	Understand the Indian tandoori cooking, dum cooking and halwai cooking.
5.	Understand the techniques of chocolate work, sugar craft and ice-cream preparation.

Course Outcomes

After the completion of this course, students will be able to:

CO1	Interpret the philosophy of North Indian cuisine.
CO2	Interpret the tenets of South Indian cuisine.
CO3	Apply the various uses of masalas, pastes and gravies and various agents in cooking.
CO4	Describe Indian tandoori cooking, dum cooking and halwai cooking.
CO5	Explain the techniques of chocolate work, sugar craft and ice-cream preparation.

SYLLABUS

MODULE	(NO. OF LECTURE HOURS)
<p>Module – I</p> <p>North Indian Cooking Introduction of North Indian cooking, key features, regional classification, Popular north Indian regional cuisines- food habits, popular dishes and accompaniments, historical and geographical impact, special ingredients.</p>	9
<p>Module- II</p> <p>South Indian Cooking Introduction of South Indian cooking, key features, regional classification, Popular South Indian regional cuisines- food habits, popular dishes and accompaniments, historical and geographical impact, special ingredients.</p>	9
<p>Module – III</p> <p>Masalas, Pastes, Gravies and various agents in Indian cooking Masalas and pastes: introduction, types, blending of spices, concept of dry and wet masalas, pastes used in Indian cooking, Basic Indian gravies: introduction, gravies and curries, gravy preparations; Various agents: souring agents, coloring agents, thickening agents, tendering agents, flavoring and aromatic agents, spicing agents in Indian kitchens</p>	9
<p>Module- IV</p> <p>Special Cooking techniques and food delivery system Tandoori cooking- Types of tandoor, seasoning of tandoori pot. tandoori marination, tandoori masalas, tandoori preparations - chicken, mutton, fish, prawns, cottage cheese; Dum cooking – origin, method, special equipment, classical dishes; Halwai Indian sweets- origin and history, ingredients used, regional influences, religious importance; Home style cooking; Food delivery systems- cook chill, cook freeze and sous vide</p>	9
<p>Module -V</p> <p>Advance Bakery preparations Chocolate – production, types, tempering, decorations; Sugar techniques- boiling sugar, spun sugar, poured sugar, pulled sugar; marzipan, pastillage, nougatine, ice-cream and frozen desserts, sauces and coulis.</p>	9

Text Books:

1. K G Dubey, *The Indian Cuisine*, PHI, 2013
2. P. S. Bali, *Quantity Food Production Operations and Indian Cuisine*, Oxford University Press, New Delhi, 2012
3. Kinton & Cessarani, *Theory of Catering*, ELBS, 2012
4. W. Gisslen, *Professional Baking*, John Wiley & Sons, 2009

Reference Books:

1. M. Baljekar, *The complete Indian Cookbook*, Om books, 2008
2. J Kalra and P. D. Gupta, *Prasad: Cookery with Indian masters*, Allied Publishers, 2016

Gaps in the syllabus (to meet Industry/Profession requirements) - Nil

POs met through Gaps in the Syllabus - N/A

Topics beyond syllabus/Advanced topics/Design - N/A

POs met through Topics beyond syllabus/Advanced topics/Design – N/A

Course Outcome (CO) Attainment Assessment tools & Evaluation procedure

Direct Assessment

Assessment Tool	% Contribution during CO Assessment
First Quiz	10
Mid Semester Examination	25
Second Quiz	10
Teacher's Assessment	5
End Semester Examination	50

Indirect Assessment

1. Student's Feedback on Course Outcome.

Mapping of Course Outcomes onto Program Outcomes

Course Outcome	Program Outcomes (POs)												Program Specific Outcomes (PSOs)		
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
CO1	3	3	3	2	2			2	2	2	3	3	3	3	2
CO2	3	3	3	2	2			2	2	2	3	3	3	3	2
CO3	3	3	3	2	2			2	2	2	3	3	3	3	2
CO4	3	3	3	3	2	2		2	3	2	3	3	3	3	2
CO5	3	3	3	3	2			2	3	2		3	3	3	2

Correlation Levels 1, 2 or 3 as defined below:

- 1: Slight (Low) 2: Moderate (Medium) 3: Substantial (High)

Mapping Between COs and Course Delivery (CD) methods

CD Code	Course Delivery Methods	Course Outcome	Course Delivery Method Used
CD1	Lecture by use of Boards/LCD Projectors	CO1,	CD1, CD8
CD2	Tutorials/Assignments	CO2	CD1, CD8
CD3	Seminars	CO3	CD1, CD8
CD4	Mini Projects/Projects	CO4	CD1, CD8
CD5	Laboratory Experiments/Teaching Aids	CO5	CD1, CD8
CD6	Industrial/Guest Lectures		
CD7	Industrial Visits/In-plant Training		
CD8	Self- learning such as use of NPTEL Materials and Internets		
CD9	Simulation		

COURSE INFORMATION SHEET

Course code: HM203
Course title: Food and Beverage Service - III
Pre-requisite(s): NIL
Co- requisite(s): NIL
Credits: 4 L: 3 T: 1 P:
Class schedule per week: 03
Class: BHMCT
Semester / Level: Third / Second
Branch: HMCT
Name of Teacher:

Course Objectives

This course envisions to impart to students to:

1.	Gain basic understanding of alcoholic beverage.
2.	Differentiate between various types of fermented alcoholic beverage.
3.	Learn the production and service process of various fermented beverages.
4.	Identify the factors that affect the quality of various types of fermented beverage.
5.	Understand various wine producing regions of the world.

Course Outcomes

After the completion of this course, students will be able to:

CO1	Classify alcoholic beverage.
CO2	Explain the production process, types, service and storage procedure of beer, cider, perry and sake.
CO3	Explain the production process, types, service and storage procedure of various types of wine.
CO4	Elucidate various types and principal wine regions of major wine producing countries of Europe.
CO5	Apply basic beverage knowledge.

SYLLABUS

MODULE	(NO. OF LECTURE HOURS)
Module – I Alcoholic Beverage: Introduction & definition, Classification, A brief description of each type of alcoholic beverage.	9
Module- II Beer: Introduction & definition, Types of beer, Production of each type, Storage, Service of Bottled, canned & draught beer.	9
Module – III Other Fermented & Brewed Beverages: Sake: Introduction; Production; Types; Storage & Service. Cider: Introduction; Production; Types; Storage & Service. Perry: Introduction; Production; Types; Storage & Service.	9
Module- IV Still, Sparkling, Fortified & Aromatized Wine: Introduction & definition, Classification, Table/still/natural, Fortified, Sparkling, Aromatized wine. Definition; Production; Classification; Storage; Service and Brand names of each category - White, Red and Rose, Sparkling wine/Champagne, Port wine, Sherry, Madeira, Marsala, Aromatized wine.	9
Module - V Wine producing countries of Europe: Wine of France: Introduction, The various categories, Principal wine regions of France. Wine of Germany: Introduction, The various categories, Principal wine regions of Germany. Wine of Italy: Introduction, The various categories, Principal wine regions of Italy.	9

Textbooks:

1. Singaravelavan R. *Food & Beverage Services*, Oxford Publications, 2011.
2. Jana A & Srivastava P. *United Colours of Alcohol*, TRIDENT, 2015.

Reference books:

1. Albert W.A. Schmid & Lalogan John P. *The Beverage Manager's Guide to Wines, Beers and Spirits*, Pearson. 2011.
2. Sudhir A. *Food & Beverage Service: A Training Manual*, McGraw Hill Education. Second Edition.
3. Christian C. *The Complete Encyclopaedia of Wine*, Rebo Publishers. 2004-Second Edition

Gaps in the syllabus (to meet Industry/Profession requirements)- Nil

POs met through Gaps in the Syllabus - N/A

Topics beyond syllabus/Advanced topics/Design

1. New world wine
2. Food & wine harmony

POs met through Topics beyond syllabus/Advanced topics/Design

2, 5, 6,8,11

Course Outcome (CO) Attainment Assessment tools & Evaluation procedure

Direct Assessment

Assessment Tool	% Contribution during CO Assessment
First Quiz	10
Mid Semester Examination	25
Second Quiz	10
Teacher's Assessment	5
End Semester Examination	50

Indirect Assessment –

1. Student's Feedback on Course Outcome

Mapping of Course Outcomes onto Program Outcomes

Course Outcome	Program Outcomes (POs)												Program Specific Outcomes (PSOs)		
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
CO1	3	3	1	1	2			1		2	2	2	3	3	2
CO2	3	3	1	2	2			1	1	2	2	2	3	3	2
CO3	3	3	1	2	2			1	1	2	2	2	3	3	2
CO4	3	3	1	1	2	2	1	1		2	2	2	3	3	2
CO5	3	3	2	2	2	1	1	2	1	2	2	2	3	3	2

Correlation Levels 1, 2 or 3 as defined below:

- 1: Slight (Low) 2: Moderate (Medium) 3: Substantial (High)

Mapping Between COs and Course Delivery (CD) methods

CD Code	Course Delivery Methods	Course Outcome	Course Delivery Method Used
CD1	Lecture by use of Boards/LCD Projectors	CO1	CD1, CD8
CD2	Tutorials/Assignments	CO2	CD1, CD8, CD2
CD3	Seminars	CO3	CD1, CD8, CD2
CD4	Mini Projects/Projects	CO4	CD1, CD8, CD2
CD5	Laboratory Experiments/Teaching Aids	CO5	CD1, CD8, CD2
CD6	Industrial/Guest Lectures		
CD7	Industrial Visits/In-plant Training		
CD8	Self- learning such as use of NPTEL Materials and Internets		
CD9	Simulation		

COURSE INFORMATION SHEET

Course code: HM 204
Course title: Accommodation Operation-I
Pre-requisite(s): NIL
Co- requisite(s): NIL
Credits: 3 L: 3 T: P:
Class schedule per week: 03
Class: BHMCT
Semester / Level: Third / Second
Branch: HMCT
Name of Teacher:

Course Objectives

This course envisions to impart to students to:

1.	Understand the importance and functions of control desk.
2.	Learn about the daily routine and operational system of housekeeping department.
3.	Understand the role of housekeeping supervisor and critical issues related to inspection.
4.	Examine cleaning skills for various types of surfaces.
5.	Assess the requirement of standard furniture, fixture and fittings in the hotel.

Course Outcomes

After the completion of this course, students will be able to:

CO1	Explain the importance and functions of control desk.
CO2	Manage daily routine and operational systems of housekeeping department.
CO3	Conceptualize the role of housekeeping supervisor and critical issues related to inspection.
CO4	Apply skills for cleaning of different types of surfaces.
CO5	Explain standard requirement of guestroom furniture, fixture and fittings.

SYLLABUS

MODULE	(NO.OF LECTURE HOURS)
<p>Module – I</p> <p>Housekeeping control Desk: Importance, coordination with other departments (F.O., engineering, room service etc). Handling telephone calls: answering calls, transferring calls, holding calls, taking calls, making calls. Paging system and methods. Handling complaints/requests and difficult situations, room transfer. Forms and formats used in control desk.</p>	8
<p>Module – II</p> <p>Daily Routine and System: Housekeeping day: Introduction, Opening the house, Shifts: Morning Shift: Briefing, Room assignment, Handover of keys, readying the cart, room status check, Room service & inspection. Afternoon/Evening shift: Debriefing, Reporting, handover. Night shift: Activities, Duties, staff scheduling. Leave application procedure, Gate pass procedure, Formats & Records.</p>	8
<p>Module – III</p> <p>Housekeeping supervision: Role of H.K. supervisor, Duties and Responsibilities of supervisor. Check list, Importance of inspection. Typical area neglected, Area of special attention, handling guest complaints, Maid’s trolley and Bed making.</p>	8
<p>Module – IV</p> <p>Cleaning of different surfaces: Metals (silver, steel, copper, Bronze, iron etc.), Glass (flat glass, Hollow glassware, Chandeliers) Leather, rubber etc. Plastics: Types (thermosetting & thermoplastic) Ceramics: Cleaning of various types of ceramics Wood: solid woods, Hardboard, Plywood, Cork etc.</p>	8
<p>Module – V</p> <p>Standard content of a guestroom: Guest room furniture: Introduction, selection criteria, Types of furniture, Furniture arrangement, Guest room fixture and fittings: Types of fixture and fittings. Beds: Construction, types, Mattresses: Types, sizes and selection criteria Bedding: Pillows and bolsters, Blankets – Types, Duvets and quilts. Care and cleaning of bedding items, Guestroom accessories.</p>	8

Textbooks:

1. S. Andrews, *Hotel Housekeeping Management & Operation*. New Delhi: Tata McGraw Hill, 2008.
2. G. Raghubalan and S.Raghubalan, *Hotel Housekeeping Operation and Management*. 3rd New Delhi: Oxford university press, 2014.
3. S.K. Kaushal and S.N. Kaushal, *Accommodation Operation and Management*. 1st ed, New Delhi: Frank Bros. & Co, 2006

Reference books:

1. M. Schneider and G. Tucker, *The Professional Housekeeper*. 4th ed., New York: John Wiley, 1999.
2. Thomas J. A. Jones, *Professional Management of Housekeeping operations*. 5th ed., New York: John Wiley, 2010.
3. Joan C. Branson and M. Lennox, *Hotel, Hostel & Hospital Housekeeping*. 5th ed, London: Hodder Arnold, 1988.
4. M. Kappa and A.Nitschke, *Managing House Keeping Operation*. 3rd ed, Lansing Mich: American Hotel and Lodging, Educational Institute, 2008

Gaps in the syllabus (to meet Industry/Profession requirements) - Nil

POs met through Gaps in the Syllabus - N/A

Topics beyond syllabus/Advanced topics/Design - N/A

POs met through Topics beyond syllabus/Advanced topics/Design – N/A

Course Outcome (CO) Attainment Assessment tools & Evaluation procedure

Direct Assessment

Assessment Tool	% Contribution during CO Assessment
First Quiz	10
Mid Semester Examination	25
Second Quiz	10
Teacher's Assessment	05
End Semester Examination	50

Indirect Assessment –

1. Student's Feedback on Course Outcome

Mapping of Course Outcomes onto Program Outcomes

Course Outcome	Program Outcomes (POs)												Program Specific Outcomes (PSOs)		
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
CO1	3	3	3	1	3	3	1	3	2	2	3	3	2	2	2
CO2	3	3	3	2	3	1	3	1	3	2	1	3	3	3	3
CO3	3	3	3	2	2	3	1	3	2	3	3	2	3	3	3
CO4	3	3	3	1	3	2	3	2	1	2	2	3	3	2	2
CO5	3	3	1	2	3	2	3	1	2	2	2	3	3	3	3

Correlation Levels 1,2 or 3 as defined below:

1: Slight (Low) 2: Moderate (Medium) 3: Substantial (High)

Mapping Between COs and Course Delivery (CD) methods

CD Code	Course Delivery methods	Course Outcome	Course Delivery Method Used
CD1	Lecture by use of boards/LCD projectors/OHP projectors	CO1	CD1, CD8
CD2	Tutorials/Assignments	CO2	CD1, CD8
CD3	Seminars	CO3	CD1, CD8
CD4	Mini projects/Projects	CO4	CD1, CD8
CD5	Laboratory experiments/teaching aids	CO5	CD1, CD8
CD6	Industrial/guest lectures		
CD7	Industrial visits/in-plant training		
CD8	Self- learning such as use of NPTEL materials and internets		
CD9	Simulation		

COURSE INFORMATION SHEET

Course code: HM205
Course title: Front Office Operation – I
Pre-requisite(s): NIL
Co- requisite(s): NIL
Credits: 3 L: 3 T: P:
Class schedule per week: 03
Class: BHMCT
Semester / Level: Third / Second
Branch: HMCT
Name of Teacher:

Course Objectives

This course envisions to impart to students to:

1.	Explain guest services and basic front office functions and responsibilities that allow staff to meet guest standards.
2.	Understand how a front office department in a small, medium and large hotel may be organized along with various meal plans being followed in these hotels.
3.	Examine the role of Front office department in guest life cycle
4.	Understand why an efficient communication system is needed to operate within the front office.
5.	Explain Passport and Visa needed by tourist and various accommodation products available for them.

Course Outcomes

After the completion of this course, students will be able to:

CO1	Understand the origin and the nature of Hospitality Industry.
CO2	Explain the operation of Front Office department in a hotel.
CO3	Explain the role of Front office department in guest life cycle.
CO4	Design different types of meal plan and explain different types of communication.
CO5	Identify the difference between Passport & Visa.

SYLLABUS

MODULE	(NO. OF LECTURE HOURS)
Module – I The Hospitality Industry: Introduction, Origin of Hospitality Industry, Nature of Hospitality Industry. History and development of Hotel Industry, Defining the term hotel, Types of hotels, Target Market, Classifying hotels, levels of service, Ownership and affiliation	8
Module- II Front Office Department: Front office operations, staffing, scheduling, work shifts, job specifications & job descriptions of Front office personnel, The Front desk: Functional Organization, Telecommunication.	8
Module – III Front Office Operations: The guest cycle: Pre-Arrival, Arrival, Occupancy, Departure, Post Departure; Front office systems: Non-Automated, Semi Automated, Fully Automated; Front Office Process, Front office forms, the front desk, Front office equipment, Property Management Systems.	8
Module- IV Communication and Meal Plans: Communication, verbal communication, non-verbal communication, written communication, general office practice, additional tasks. Meal plans - Types, needs and use of such plans, Types of guests - FIT, Business travellers, GIT, Special Interest Tours, domestic, foreign.	8
Module - V Passport & Visa: Passport- meaning and definition, Visa – meaning, Types of Visa – Tourist Visa, Business Visa, Employment Visa, Conference Visa, Student visa, Sports visa etc. Permits.	8

Textbooks:

1. Kasavana & Brooks, *Managing Front Office Operations*, AHL&A, 2001
2. S.K.Bhatnagar, *Front Office Management*, Frank Bros. & Co. , 2006

Reference Books:

1. Colin Dix & Chirs Baird, *Front office operations*, Pearson, 2006.
2. James Bardi, *Hotel Front office management*, John Wiley & Sons, 2011.
3. Sudhir Andrews, *Front Office: A Training Manual*, Tata McGraw Hill, 2011
4. Raymond S Schmidgall, *Hospitality Industry Managerial accounting*, AHLA, 2006
5. Michael Kasavana and Cahell, *Managing computers in hospitality industry*, AHLA, 1996

Gaps in the syllabus (to meet Industry/Profession requirements) - Nil

POs met through Gaps in the Syllabus - N/A

Topics beyond syllabus/Advanced topics/Design - N/A

POs met through Topics beyond syllabus/Advanced topics/Design – N/A

Course Outcome (CO) Attainment Assessment tools & Evaluation procedure

Direct Assessment

Assessment Tool	% Contribution during CO Assessment
First Quiz	10
Mid Semester Examination	25
Second Quiz	10
Teacher's Assessment	5
End Semester Examination	50

Indirect Assessment

1. Student's Feedback on Course Outcome.

Mapping of Course Outcomes onto Program Outcomes

Course Outcome	Program Outcomes (POs)												Program Specific Outcomes (PSOs)		
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
CO1	3	3	3	1		1		1	1	2	3	2	3	2	1
CO2	3	3	3	3	3	3		1	3	2	1	3	3	2	3
CO3	3	3	3	2		2		2	3	3	3	2	3	2	3
CO4	3	3	3	3	3	3	2	3	2	3	2	3	3	2	2
CO5	3	3	1	2	3	2		1	2	3	3	2	3	2	1

Correlation Levels 1, 2 or 3 as defined below:

- 1: Slight (Low) 2: Moderate (Medium) 3: Substantial (High)

Mapping Between COs and Course Delivery (CD) methods

CD Code	Course Delivery Methods	Course Outcome	Course Delivery Method Used
CD1	Lecture by use of Boards/LCD Projectors	CO1	CD1, CD8
CD2	Tutorials/Assignments	CO2	CD1, CD8
CD3	Seminars	CO3	CD1, CD8
CD4	Mini Projects/Projects	CO4	CD1, CD8
CD5	Laboratory Experiments/Teaching Aids	CO5	CD1, CD8
CD6	Industrial/Guest Lectures		
CD7	Industrial Visits/In-plant Training		
CD8	Self- learning such as use of NPTEL Materials and Internets		
CD9	Simulation		

COURSE INFORMATION SHEET

Course code: HM 206
Course title: Food Production Operation Practical -I
Pre-requisite(s): NIL
Credits: 3 L: 0 T: 0 P: 6
Class schedule per week: 6
Class: BHMCT
Semester / Level: Third/Second
Branch: HMCT
Name of Teacher:

Course Objectives

This course envisions to impart to students to:

1.	Understand the preparations of various masalas, pastes and gravies in Indian Kitchen.
2.	Understand the preparations of dishes of North, East, and Central India.
3.	Understand the preparation of dishes of South, West and North-East India.
4.	Understand the preparations of tandoori, dum cooking and halwai techniques.
5.	Understand the preparations of bakery and confectionary items.

Course Outcomes

After the completion of this course, students will be able to:

CO1	Prepare various masalas, pastes and gravies in Indian Kitchen.
CO2	Prepare dishes of North, East, and Central India.
CO3	Prepare dishes of South, West and North-East India.
CO4	Apply tandoori, dum cooking and halwai cooking techniques.
CO5	Prepare bakery and confectionary items.

SYLLABUS

MODULE	(NO. OF PRACTICAL HOURS)
Module – I Preparations of Masalas, Pastes and Gravies in Indian Kitchen. Preparation of Makhni Gravy, Green Gravy, White Gravy, Lababdar Gravy, Kadhai Gravy, Achari Gravy, Malai Kofta Gravy, Yakhni Gravy, Yellow Gravy, Korma Gravy	6
Module- II Understanding Indian cooking and preparation of popular foods of India (at least one three course menu from each region of North, East, and Central India).	6
Module – III Understanding Indian cooking and preparation of popular foods of India (at least one three course menu from each region of South, West and North-East India).	6
Module- IV Indian tandoori and dum preparation, Indian sweets preparation	12
Module - V Bakery and confectionary preparation - chocolate work, sugar craft, almond paste, meringues, sponges, sponge goods, cake icing, puddings, ice-cream, frozen desserts, sauces and coulis	30

Textbooks:

1. K G Dubey, *The Indian Cuisine*, PHI, 2013
2. P. S. Bali, *Quantity Food Production Operations and Indian Cuisine*, Oxford University Press, New Delhi, 2012
3. Kinton & Cessarani, *Theory of Catering*, ELBS, 2012
4. Y. Ashok Kumar, *Textbook of bakery and confectionary*, PHI, 2012
5. W. Gisslen, *Professional Baking*, John Wiley & Sons, 2009
6. L J Hanneman, *Patisserie*, Routledge, 2005

Reference books:

1. M. Baljekar, *The complete Indian Cookbook*, Om books, 2008
2. J Kalra and P. D. Gupta, *Prasad: Cookery with Indian masters*, Allied Publishers, 2016
3. S. C. Dubey, *Bakery & Confectionery*, Society of Indian Bakers, 2012

Gaps in the syllabus (to meet Industry/Profession requirements) - Nil

POs met through Gaps in the Syllabus - N/A

Topics beyond syllabus/Advanced topics/Design - N/A

POs met through Topics beyond syllabus/Advanced topics/Design – N/A

Course Outcome (CO) Attainment Assessment tools & Evaluation procedure

Direct Assessment

Assessment Tool	% Contribution during CO Assessment
Progressive Evaluation	60
End Sem. Evaluation	40

Indirect Assessment

1. Student's Feedback on Course Outcome.

Mapping of Course Outcomes onto Program Outcomes

Course Outcome	Program Outcomes (POs)												Program Specific Outcomes (PSOs)		
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
CO1	3	3	3	2	2			2	2	2	3	3	3	3	2
CO2	3	3	3	2	2			2	2	2	3	3	3	3	2
CO3	3	3	3	2	2			2	2	2	3	3	3	3	2
CO4	3	3	3	3	2	2		2	3	2	3	3	3	3	2
CO5	3	3	3	3	2			2	3	2		3	3	3	2

Correlation Levels 1, 2 or 3 as defined below:

- 1: Slight (Low) 2: Moderate (Medium) 3: Substantial (High)

Mapping Between COs and Course Delivery (CD) methods

CD Code	Course Delivery Methods	Course Outcome	Course Delivery Method Used
CD1	Lecture by use of Boards/LCD Projectors	CO1	CD5, CD8
CD2	Tutorials/Assignments	CO2	CD5, CD8
CD3	Seminars	CO3	CD5, CD8
CD4	Mini Projects/Projects	CO4	CD5, CD8
CD5	Laboratory Experiments/Teaching Aids	CO5	CD5, CD8
CD6	Industrial/Guest Lectures		
CD7	Industrial Visits/In-plant Training		
CD8	Self- learning such as use of NPTEL Materials and Internets		
CD9	Simulation		

COURSE INFORMATION SHEET

Course code: HM207
Course title: Food and Beverage Service Practical - III
Pre-requisite(s): NIL
Co- requisite(s): NIL
Credits: 1.5 L: T: P: 3
Class schedule per week: 03
Class: BHMCT
Semester / Level: Third/Second
Branch: HMCT
Name of Teacher:

Course Objectives

This course envisions to impart to students to:

1.	Learn the skill of taking beverage order.
2.	Learn the skill of serving beer, cider, perry and sake.
3.	Learn the way of interpreting various types of wine bottle's label.
4.	Learn the skill of serving various types of wine.
5.	Learn skill of setting up table as per menu.

Course Outcomes

After the completion of this course, students will be able to:

CO1	Demonstrate ability in taking order for beverages.
CO2	Demonstrate practical ability in the service of beer, cider, perry, sake.
CO3	Demonstrate practical ability in the service of different types of still & fortified wine.
CO4	Demonstrate practical ability in the service of different types of sparkling wine.
CO5	Demonstrate practical ability to set up a table in a professional manner for table d'hôte menu.

SYLLABUS

MODULE	(NO. OF PRACTICAL HOURS)
Module – I Taking an Order for Beverages.	3
Module- II Service of Bottled beer, Canned beer & Draught beer.	6
Module – III Opening technique of wine bottle Still wine, Sparkling wine, Aromatized & fortified wine. Service of Wine White wine, Red wine, Rose wine.	9
Module- IV Service of Sparkling wine & Champagne. Service of Fortified wine and Aromatized wine.	6
Module - V Set up a table with Prepared Menu with wines.	6

Textbooks:

1. Singaravelavan R. *Food & Beverage Services*, Oxford Publications, 2011
2. Jana A & Srivastava P. *United Colours of Alcohol*, TRIDENT, 2015

Reference books:

1. Albert W.A. Schmid & Lalogan John P. *The Beverage Manager's Guide to Wines, Beers and Spirits*, Pearson. 2011
2. Sudhir A. *Food & Beverage Service: A Training Manual*, McGraw Hill Education. Second Edition

Gaps in the syllabus (to meet Industry/Profession requirements) - Nil

POs met through Gaps in the Syllabus - N/A

Topics beyond syllabus/Advanced topics/Design - N/A

POs met through Topics beyond syllabus/Advanced topics/Design – N/A

Course Outcome (CO) Attainment Assessment tools & Evaluation procedure

Direct Assessment

Assessment Tool	% Contribution during CO Assessment
Progressive Evaluation	60
End Sem. Evaluation	40

Indirect Assessment

1. Student's Feedback on Course Outcome.

Mapping of Course Outcomes onto Program Outcomes

Course Outcome	Program Outcomes (POs)												Program Specific Outcomes (PSOs)		
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
CO1	3	2	2	2	1	3		1	2	2	2	2	3	3	1
CO2	3	2	2	2	1	2		1		2	1	2	3	3	1
CO3	3	2	2	2	1	2		1		2	1	2	3	3	1
CO4	3	2	2	2	1	2		1		2	1	2	3	3	1
CO5	3	2	2	2	1	1		1		2	2	2	3	3	1

Correlation Levels 1, 2 or 3 as defined below:

- 1: Slight (Low) 2: Moderate (Medium) 3: Substantial (High)

Mapping Between COs and Course Delivery (CD) methods

CD Code	Course Delivery Methods	Course Outcome	Course Delivery Method Used
CD1	Lecture by use of Boards/LCD Projectors	CO1	CD5, CD8, CD9
CD2	Tutorials/Assignments	CO2	CD5, CD8
CD3	Seminars	CO3	CD5, CD8
CD4	Mini Projects/Projects	CO4	CD5, CD8
CD5	Laboratory Experiments/Teaching Aids	CO5	CD5, CD8
CD6	Industrial/Guest Lectures		
CD7	Industrial Visits/In-plant Training		
CD8	Self-learning such as use of NPTEL Materials and Internets		
CD9	Simulation		

COURSE INFORMATION SHEET

Course code: HM 208
Course title: Accommodation Operation Practical-1
Pre-requisite(s): NIL
Co- requisite(s): NIL
Credits: 1.5 L: T: P: 3
Class schedule per week: 03
Class: BHMCT
Semester / Level: Third / Second
Branch: HMCT
Name of Teacher:

Course Objectives

This course envisions to impart to students to:

1.	Learn about cleaning of different surfaces.
2.	Understand about telephone, paging and complaint handling.
3.	Evaluate various forms and formats used at control desk.
4.	Examine the use of maid's cart trolley for bed making.
5.	Design inspection check list for guestroom and public areas.

Course Outcomes

After the completion of this course, students will be able to:

CO1	Develop skill about cleaning of different surfaces.
CO2	Develop knowledge and skill in handling telephone, paging and complaints.
CO3	Explain various forms and formats used at control desk.
CO4	Explain the use maid's cart trolley for bed making.
CO5	Design inspection check list for guestroom and public areas.

SYLLABUS

MODULE	(NO. OF PRACTICAL HOURS)
Module – I Cleaning of different surfaces Cleaning of different surfaces: Wood, bronze, steel, brass, glass, rubber, ceramics.	9
Module – II Message handling Telephone handling procedure Procedure of Paging a guest.	6
Module – III Control desk Complaints handling procedure. Filling up forms used in control desks.	6
Module – IV Guest room service Using maid’s cart trolley. Bed making, Turndown/ Evening service Turndown/Evening service.	9
Module – V Guest room & Public area inspection Preparing Inspection checklist for guestrooms. Preparing Inspection checklist for public areas.	6

Textbooks:

1. S. Andrews, *Hotel Housekeeping Management & Operation*. New Delhi: Tata McGraw Hill, 2008.
2. G. Raghubalan and S.Raghubalan, *Hotel Housekeeping Operation and Management*. 3rd ed, New Delhi: Oxford university press, 2014.
3. S.K. Kaushal and S.N. Kaushal, *Accommodation Operation and Management*. 1st ed, New Delhi: Frank Bros. & Co, 2006

Reference books:

1. M. Schneider and G. Tucker, *The Professional Housekeeper*. 4th ed., New York: John Wiley, 1999.
2. Thomas J. A. Jones, *Professional Management of Housekeeping operations*. 5th ed., New York: John Wiley, 2010.

3. Joan C. Branson and M. Lennox, *Hotel, Hostel & Hospital Housekeeping. 5th ed*, London: Hodder Arnold, 1988.
4. M. Kappa and A. Nitschke, *Managing House Keeping Operation. 3rd ed*, Lansing Mich: American Hotel and Lodging, Educational Institute, 2008

Gaps in the syllabus (to meet Industry/Profession requirements) - Nil

POs met through Gaps in the Syllabus - N/A

Topics beyond syllabus/Advanced topics/Design - N/A

POs met through Topics beyond syllabus/Advanced topics/Design – N/A

Course Outcome (CO) Attainment Assessment tools & Evaluation procedure

Direct Assessment

Assessment Tool	% Contribution during CO Assessment
Progressive Evaluation	60
End Evaluation	40

Indirect Assessment –

1. Student’s Feedback on Course Outcome

Mapping of Course Outcomes onto Program Outcomes

Course Outcome	Program Outcomes (POs)												Program Specific Outcomes (PSOs)		
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
CO1	3	3	3	3	2	1	3	2	3	2	2	3	3	3	3
CO2	3	3	3	3	2	3	2	2	3	2	1	3	3	3	3
CO3	3	3	3	1	2	2	1	2	3	1	1	3	1	3	1
CO4	3	3	3	1	3	1	1	3	2	3	2	3	3	3	1
CO5	3	3	2	1	2	3	3	2	2	1	2	3	2	3	3

Correlation Levels 1,2 or 3 as defined below:

- 1: Slight (Low) 2: Moderate (Medium) 3: Substantial (High)

Mapping Between COs and Course Delivery (CD) methods

CD Code	Course Delivery methods	Course Outcome	Course Delivery Method Used
CD1	Lecture by use of boards/LCD projectors/OHP projectors	CO 1	CD5, CD8
CD2	Tutorials/Assignments	CO 2	CD5, CD8
CD3	Seminars	CO 3	CD5, CD8
CD4	Mini projects/Projects	CO 4	CD5, CD8
CD5	Laboratory experiments/teaching aids	CO 5	CD5, CD8
CD6	Industrial/guest lectures		
CD7	Industrial visits/in-plant training		
CD8	Self- learning such as use of NPTEL materials and internets		
CD9	Simulation		

COURSE INFORMATION SHEET

Course code: HM 209
Course title: Front Office Operation Practical – I
Pre-requisite(s): NIL
Co- requisite(s): NIL
Credits: 1.5 L: T: P: 3
Class schedule per week: 03
Class: BHMCT
Semester / Level: Third / Second
Branch: HMCT
Name of Teacher:

Course Objectives

This course envisions to impart to students to:

1.	Understand geographical location of various countries.
2.	Understand grooming standard required in the hospitality industry.
3.	Explain requirement of effective verbal communication in hospitality industry.
4.	Explain requirement of effective non-verbal communication in hospitality industry.
5.	Understand the use of forms and formats required in hospitality industry.

Course Outcomes

After the completion of this course, students will be able to:

CO1	Understand geographical location of various continent and countries, its capital, flag and airlines.
CO2	Illustrate various grooming standards and arrival activities of Front Office Department.
CO3	Illustrate verbal communication skills required in Front Office Department of a Hotel.
CO4	Illustrate non-verbal communication skills required in Front Office Department of a Hotel.
CO5	Prepare various forms and formats needed in Front Office Department.

SYLLABUS

MODULE	(NO. OF PRACTICAL HOURS)
<p>Module – I</p> <p>Knowing the world Understanding different continents and division of world. Preparation and study of countries and capitals, currencies and airlines Preparation and study of flags and chart.</p>	9
<p>Module- II</p> <p>Front office department and its operation Identification of equipment, work structure and stationery of Front Office. Basic manners and grooming standards required for Front Office operation. Role play of Pre-Arrival and Arrival activities.</p>	9
<p>Module – III</p> <p>Communication Skill - Verbal Understanding the importance of Communication skills – verbal, Presentation and public speaking. Telecommunication skills telephonic situation handling</p>	6
<p>Module- IV</p> <p>Communication Skill – Non-Verbal Understanding the importance of Communication skills – Non-verbal. Facial expressions, the tone and pitch of the voice. Gestures, Body language (kinesics) and the physical distance between the communicators (proxemics).</p>	9
<p>Module - V</p> <p>Forms and Formats Preparation of various Forms and Formats used in Front Office Department. Preparation of various Formats used in Front Office Department.</p>	6

Textbooks:

1. Kasavana & Brooks, *Managing Front Office Operations*, AHL&A, 2001
2. Meenakshi Ramand and Prakash Singh, *Business Communication*, Oxford Publication, 2012.

Reference Books:

1. Vishwamohan, *English for Hotel Industry*, Pearson Publication, 2013

Gaps in the syllabus (to meet Industry/Profession requirements) - Nil

POs met through Gaps in the Syllabus - N/A

Topics beyond syllabus/Advanced topics/Design - N/A

POs met through Topics beyond syllabus/Advanced topics/Design – N/A

Course Outcome (CO) Attainment Assessment tools & Evaluation procedure

Direct Assessment

Assessment Tool	% Contribution during CO Assessment
Progressive Evaluation	60
End Sem. Evaluation	40

Indirect Assessment

1. Student's Feedback on Course Outcome.

Mapping of Course Outcomes onto Program Outcomes

Course Outcome	Program Outcomes (POs)												Program Specific Outcomes (PSOs)		
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
CO1	3	1	1	1	1					1	2	1	1	1	
CO2	3	3	1	1	1		1			1	2	2	3	3	2
CO3	3	3	3	3	3	3	2	3	2	3	2	3	3	2	2
CO4	3	3	3	3	3	3	2	3	2	3	2	3	3	2	2
CO5	2	3	1	12	1				1	1	2		1	3	1

Correlation Levels 1, 2 or 3 as defined below:

- 1: Slight (Low) 2: Moderate (Medium) 3: Substantial (High)

Mapping Between COs and Course Delivery (CD) methods

CD Code	Course Delivery Methods	Course Outcome	Course Delivery Method Used
CD1	Lecture by use of Boards/LCD Projectors	CO1	CD5, CD8
CD2	Tutorials/Assignments	CO2	CD5, CD8, CD9
CD3	Seminars	CO3	CD5, CD8
CD4	Mini Projects/Projects	CO4	CD5, CD8
CD5	Laboratory Experiments/Teaching Aids	CO5	CD5, CD8
CD6	Industrial/Guest Lectures		
CD7	Industrial Visits/In-plant Training		
CD8	Self- learning such as use of NPTEL Materials and Internets		
CD9	Simulation		

COURSE INFORMATION SHEET

Course code: HM210
Course title: Basic Accounting
Pre-requisite(s): NIL
Co- requisite(s): NIL
Credits: 3 L:3 T: P:
Class schedule per week: 03
Class: BHMCT
Semester / Level: Fourth/Second
Branch: HMCT
Name of Teacher:

Course Objectives

This course envisions to impart to students to:

1.	Understand the concept of accounting.
2.	Understand journal and ledger entries,
3.	Know depreciation concepts.
4.	Understand trading account, profit and loss account.
5.	Understand balance sheet.

Course Outcomes

After the completion of this course, students will be to:

CO1	Outline the concept of accounting, its importance, types and application and solve journal entry.
CO2	Solve and record transaction in ledger format
CO3	Solve and interpret accounting concept of depreciation
CO4	Deduce and solve from recording of a business transaction to preparation of trial balance
CO5	Classify assets and deduce and solve trading account, profit and loss account and balance sheet.

SYLLABUS

MODULE	(NO. OF LECTURE HOURS)
Module – I Introduction: Accounting as an information system, Functions, advantages and limitations of accounting. Branches of accounting. Bases of accounting: cash basis and accrual basis. Basic concepts and conventions: entity, money measurement, going concern, cost, realization, accruals, periodicity, consistency, Recording of transaction: Journal.	9
Module- II Capital and Revenue Transaction: Recording of transaction: Ledger, Capital Expenditure, Revenue Expenditure, Capitalized Expenditure, Deferred Revenue Expenditure, Capital and revenue receipts. Reserves and provisions: Meaning; Objective.	9
Module – III Concepts for determination of business income: The nature of depreciation. The accounting concept of depreciation. Factors in the measurement of depreciation. Methods of computing depreciation: straight line method and diminishing balance method; Disposal of depreciable assets; change in method of charging depreciation. Accounting for depreciation.	9
Module- IV Accounting Process: From recording of a business transaction to preparation of trial balance including adjustments and rectification of errors.	9
Module - V Final Accounts and Balance Sheet: Classification of assets, liabilities. Working capital, Trading Account, Profit and loss Account, Balance Sheet.	9

Textbooks:

1. Hanif M. and Mukherjee A. -*Financial Accounting-1*, McGraw - Hill Education India Pvt. Ltd.4th Edition 2018.
2. Shukla M.C., Grewal T. S and Gupta S.C- *Advanced Accounts*, S. Chand & Co Ltd, New Delhi.18th Edition 2010.
3. Maheshwari and Maheshwari-*Financial Accounting*, Vikas Publishing House. 6th Edition 2018
4. Gupta R.L and Radhaswamy M- *Advanced Accountancy*, Sultan Chand, New Delhi 2014.
5. Basu A - *Financial Accounting*, TEE DEE Publication, Kolkata.2009.
6. Rawat D.S - *Student's Guide to Accounting Standard*, Taxmann, New Delhi. 33rd Edition 2018

Reference books:

1. Kotas R & Conlan M. *Hospitality Accounting* (Elements of Business Series), Cengage Learning EMEA, United Kingdom. 5th edition 1997
2. Boardman R.D. *Hotel & Catering Costing & Budgets*. Heinemann, USA. 3rd revised Edition 1978
3. Negi J. *Financial & Cost Control Techniques in Hotel & Catering Industry*. Jain Book Agency, New Delhi. 2nd Edition 2000.
4. Pandey I.M. *Introduction to Financial Management*. Vikas Publishing, New Delhi. 11th Edition 2015.

Gaps in the syllabus (to meet Industry/Profession requirements) - Nil

POs met through Gaps in the Syllabus - N/A

Topics beyond syllabus/Advanced topics/Design - N/A

POs met through Topics beyond syllabus/Advanced topics/Design – N/A

Course Outcome (CO) Attainment Assessment tools & Evaluation procedure

Direct Assessment

Assessment Tool	% Contribution during CO Assessment
First Quiz	10
Mid Semester Examination	25
Second Quiz	10
Teacher's Assessment	5
End Semester Examination	50

Indirect Assessment

1. Student's Feedback on Course Outcome.

Mapping of Course Outcomes onto Program Outcomes

Course Outcome	Program Outcomes (POs)												Program Specific Outcomes (PSOs)		
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
CO1	3	1	3	3	3	1	1	3	2	2	3	3	3	2	1
CO2	3	1	3	3	3	1	1	3	2	2	3	3	3	2	2
CO3	3	1	3	3	3	1	1	3	2	2	3	3	3	2	2
CO4	3		3	3	3	3		2	2	3	3	3	3	2	2
CO5	3	2	3	3	3	1	3	3	2	2	3	3	3	2	1

Correlation Levels 1, 2 or 3 as defined below:

1: Slight (Low) 2: Moderate (Medium) 3: Substantial (High)

Mapping Between COs and Course Delivery (CD) methods

CD	Course Delivery methods	Course Outcome	Course Delivery MethodUsed
CD1	Lecture by use of boards/LCD projectors	CO1	CD1, CD8
CD2	Tutorials/Assignments	CO2	CD1, CD8
CD3	Seminars	CO3	CD1, CD8
CD4	Mini projects/Projects	CO4	CD1, CD8
CD5	Laboratory experiments/teaching aids	CO5	CD1, CD8
CD6	Industrial/guest lectures		
CD7	Industrial visits/in-plant training		
CD8	Self- learning such as use of NPTEL materials and internets		
CD9	Simulation		

COURSE INFORMATION SHEET

Course code: HM211
Course title: Food production Operation II
Pre-requisite(s): NIL
Co- requisite(s): NIL
Credits: 3 L: 3 T: P:
Class Schedule per week: 03
Class: BHMCT
Semester / Level: Fourth/ Second
Branch: HMCT
Name of Teacher:

Course Objectives

This course envisions to impart to students to:

1.	Understand different types of large-scale catering services.
2.	Understand store management procedures and purchase procedure.
3.	Know fast food, convenience food and rechauffe cooking.
4.	Understand popular western cuisine.
5.	Understand various Oriental cuisines.

Course Outcomes

After the completion of this course, students will be able to:

CO1	Differentiate large-scale catering operations
CO2	Apply purchase and store management system
CO3	Explain Fast food, convenience food and rechauffe cooking.
CO4	Examine popular western cuisine.
CO5	Examine various Oriental cuisines

SYLLABUS

MODULE	(NO. OF LECTURE HOURS)
<p>Module – I</p> <p>Quantity Food Production Introduction to quantity food production- industrial, institutional, commercial, welfare; planning for volume feeding, purchasing and indenting for volume feeding; Off premises catering, mobile catering and theme parties; Menu planning - standard recipe, pricing & costing, portion control; Equipment</p>	8
<p>Module- II</p> <p>Purchasing and store management Principles of purchase, methods of purchasing, standard purchase specification, selecting the supplier, Purchase procedures, EOQ and ROL, Procedures of receiving and issuing; Storage, inventory procedures, forms and formats used storage, principles of storage, types of storage, layout of dry and cold storage-Functions of storage manager.</p>	8
<p>Module – III</p> <p>Garde Manger, Fast Food & Convenience Food Garde Manger, charcuterie, butchery; Salad- composition, types, dressing; Sandwich- Parts, types, garnish; rolls, wraps, pizza, burger, canapes, hot dog; convenience food; <i>rechauffe</i> cooking</p>	8
<p>Module- IV</p> <p>Popular Western Cuisine Origin, historical and geographical background, ingredients, cooking methods, regional classification of popular western cuisine- French, Italian, Mexican</p>	8
<p>Module - V</p> <p>Popular Oriental Cuisine Origin, historical and geographical background, ingredients, cooking methods, regional classification of popular oriental cuisine- Chinese, Thai, Japanese</p>	8

Text Books:

1. P. S. Bali, *Quantity Food Production Operations and Indian Cuisine*, Oxford University Press, New Delhi, 2012
2. Kinton & Cessarani, *Theory of Catering*, ELBS, 2012
3. P. S. Bali, *International Cuisine and Food Production Management*, Oxford University Press, New Delhi, 2012

Reference Books:

1. Le Rol A. Polsom, *The Professional Chef* (4th Edition), Wiley & Sons, 2011
2. M J Leto & W K h Bode, *Larder Chef*, Butterworth- Heinemann, 2006
3. Andrew hale, *Purchasing Selection and Procurement for the hospitality Industry*, Wiley & Sons, 2012
4. Wayne Gisslen, *Professional Cooking*, Le Cordon Bleu, Wiley & Sons, 2002

Gaps in the syllabus (to meet Industry/Profession requirements) - Nil

POs met through Gaps in the Syllabus - N/A

Topics beyond syllabus/Advanced topics/Design - N/A

POs met through Topics beyond syllabus/Advanced topics/Design – N/A

Course Outcome (CO) Attainment Assessment tools & Evaluation procedure

Direct Assessment

Assessment Tool	% Contribution during CO Assessment
First Quiz	10
Mid Semester Examination	25
Second Quiz	10
Teacher's Assessment	5
End Semester Examination	50

Indirect Assessment

1. Student's Feedback on Course Outcome.

Mapping of Course Outcomes onto Program Outcomes

Course Outcome	Program Outcomes (POs)												Program Specific Outcomes (PSOs)		
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
CO1	3	2	3	2	3	1	2	2	2	2		3	3	3	2
CO2	3	2	3	2	3	1	3	3	2	2		3	3	3	3
CO3	3	2	3	2	3	1			1	3		3	3	3	2
CO4	3	2	3	2	3	1			1	3	3	3	3	3	2
CO5	3	2	3	2	3	1			1	3	3	3	3	3	2

Correlation Levels 1, 2 or 3 as defined below:

- 1: Slight (Low) 2: Moderate (Medium) 3: Substantial (high)

Mapping Between COs and Course Delivery (CD) methods

CD Code	Course Delivery Methods	Course Outcome	Course Delivery Method Used
CD1	Lecture by use of Boards/LCD Projectors	CO1	CD1, CD8
CD2	Tutorials/Assignments	CO2	CD1, CD8
CD3	Seminars	CO3	CD1, CD8
CD4	Mini Projects/Projects	CO4	CD1, CD8
CD5	Laboratory Experiments/Teaching Aids	CO5	CD1, CD8
CD6	Industrial/Guest Lectures		
CD7	Industrial Visits/In-plant Training		
CD8	Self- learning such as use of NPTEL Materials and Internets		
CD9	Simulation		

COURSE INFORMATION SHEET

Course code: HM212
Course title: Food and Beverage Service - IV
Pre-requisite(s): NIL
Co- requisite(s): NIL
Credits: 3 L: 3 T: P:
Class schedule per week: 03
Class: BHMCT
Semester / Level: Fourth / Second
Branch: HMCT
Name of Teacher:

Course Objectives

This course envisions to impart to students to:

1.	Classify distilled beverage.
2.	Gain a basic understanding of proof system of distilled beverage.
3.	Learn the production, service & storage various types of distilled beverage.
4.	To gain basic understanding of bar lay-out and bar design.
5.	To gain knowledge to operate a bar within legal requirement governing the sale of alcoholic beverages.

Course Outcomes

After the completion of this course, students will be able to:

CO1	Differentiate between Pot & Patent still distillation method.
CO2	Calculate alcoholic strength of various alcoholic beverages in different scales.
CO3	Explain the production process, types, service and storage procedure of distilled beverage.
CO4	Demonstrate knowledge of liqueurs, aperitifs and cocktails.
CO5	Design bar and operate within legal requirements governing the sale of alcoholic beverages

SYLLABUS

MODULE	(NO. OF LECTURE HOURS)
Module – I Introduction of Distilled Beverage: Introduction & Definition, Production of distilled beverage, Pot still distillation method, Patent still distillation method, Proof: Different scales.	8
Module- II Spirits: Production, classification, brand names & service of: Whisky, Rum, Gin, Vodka, Brandy, Tequila.	8
Module – III Liqueurs & Aperitifs Liqueur: Definition & history, Production method, Classification, Service. Aperitif: Introduction & definition, Types & Service.	8
Module- IV Cocktails: Definition & history, Classification, Cocktail bar equipment, Components of cocktail, Methods of making cocktail, Preparation & service.	8
Module - V Bar: Introduction, Types, Layout, Equipment used, Bar Licenses, Staffing, Job Description, Job Specification.	8

Textbooks:

1. Singaravelavan R. *Food & Beverage Services*, Oxford Publications, 2011
2. Jana A & Srivastava P. *United Colours of Alcohol*, TRIDENT, 2015

Reference books:

1. Lillicrap Dennis R., *Food & Beverage Service*, Hodder Arnold Publication, 2006.
2. Albert W.A. Schmid & Lalogan John P. *The Beverage Manager's Guide to Wines, Beers and Spirits*, Pearson. 2011
3. Prasad, Vara, Krishna R. Gopi, *Food & Beverage: F&B Simplified*, Pearson, 2013.

Gaps in the syllabus (to meet Industry/Profession requirements)- Nil

POs met through Gaps in the Syllabus - N/A

Topics beyond syllabus/Advanced topics/Design – N/A

POs met through Topics beyond syllabus/Advanced topics/Design – N/A

Course Outcome (CO) Attainment Assessment tools & Evaluation procedure

Direct Assessment

Assessment Tool	% Contribution during CO Assessment
First Quiz	10
Mid Semester Examination	25
Second Quiz	10
Teacher's Assessment	5
End Semester Examination	50

Indirect Assessment –

1. Student's Feedback on Course Outcome

Mapping of Course Outcomes onto Program Outcomes

Course Outcome	Program Outcomes (POs)												Program Specific Outcomes (PSOs)		
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
CO1	3	3	2	1	2	1		1	1	1	1	2	3	3	2
CO2	3	3	2	1	2	1	2	1		1		2	3	3	2
CO3	3	3	2	2	2	2	1	2	1	2	2	2	3	3	2
CO4	3	3	2	2	2	2	1	2	1	2	2	2	3	3	2
CO5	3	3	2	2	2	2	2	2	2	3	1	2	3	3	2

Correlation Levels 1, 2 or 3 as defined below:

- 1: Slight (Low) 2: Moderate (Medium) 3: Substantial (High)

Mapping Between COs and Course Delivery (CD) methods

CD Code	Course Delivery Methods	Course Outcome	Course Delivery Method Used
CD1	Lecture by use of Boards/LCD Projectors	CO1	CD1, CD8
CD2	Tutorials/Assignments	CO2	CD1, CD8
CD3	Seminars	CO3	CD1, CD8, CD2
CD4	Mini Projects/Projects	CO4	CD1, CD8, CD2
CD5	Laboratory Experiments/Teaching Aids	CO5	CD1, CD8, CD2
CD6	Industrial/Guest Lectures		
CD7	Industrial Visits/In-plant Training		
CD8	Self- learning such as use of NPTEL Materials and Internets		
CD9	Simulation		

COURSE INFORMATION SHEET

Course code: HM213
Course title: Accommodation Operation-II
Pre-requisite(s): NIL
Co- requisite(s): NIL
Credits: 3 L: 3 T: P:
Class schedule per week: 03
Class: BHMCT
Semester / Level: Fourth / Second
Branch: HMCT
Name of Teacher:

Course Objectives

This course envisions to impart to students to:

1.	Understand laundry procedures, equipment and laundry agents.
2.	Classify different types of stain and stain removal procedure.
3.	Plan the organization and functioning of linen and uniform room.
4.	Understand the concept of soft furnishings and their importance.
5.	Examine the purpose and activities of a tailor room.

Course Outcomes

After the completion of this course, students will be able to:

CO1	Explain the laundry procedures, equipment and cleaning agents/aids.
CO2	Manage different types of stain and apply various stain removal procedure.
CO3	Develop knowledge about layout and operations of linen and uniform rooms.
CO4	Conceptualize about soft furnishings and their importance.
CO5	Explain the purpose and functions of a tailor room.

SYLLABUS

MODULE	(NO.OF LECTURE HOURS)
<p>Module – I</p> <p>Laundry Operation: Meaning, Types, Merits & demerits of different types of laundry, Planning of an OPL, layout of OPL, Laundry Equipment, Laundry process.</p> <p>Laundry agent & aids: Soaps and detergents, Fabric stiffeners and softeners, Bleaches: types of bleach, alkaline agents, acid agents, organic solvent, absorbents</p> <p>Handling guest laundry, Valet service, Discard management.</p>	8
<p>Module – II</p> <p>Stain removal: Introduction, procedure for stain removal</p> <p>Identification & classification of stain & stain remover Principle of stain removal, Classification of stain removal procedure.</p> <p>Removal of common stain</p>	8
<p>Module – III</p> <p>Linen and Uniform Room: Organization, Layout of linen room, Planning of linen room, Activities of the linen room.</p> <p>Par stock, Inventory/ stock taking of linen, Linen exchange procedure, Storage of linen and discard management, Selection & design of uniforms, Establishing Par level for uniform, Issuing & exchange of uniforms, Storage, Advantage of providing staff uniform.</p>	8
<p>Module – IV</p> <p>Soft furnishings: Introduction, functions of soft furnishings, Types of soft furnishings: Cushions, blankets, bedspreads, loose covers. Window treatments, Stiff window treatment: Blinds, types of blinds, Shades and types of shades, Shutters, Screens, Soft window treatment: Curtains: Functions, importance, types, Valances and swags</p>	8
<p>Module – V</p> <p>Sewing Room: Introduction, activities in sewing room, sewing area and equipment, Job specification of a seamstress/tailor.</p> <p>Basic hand stitches: temporary and permanent stitches, Edge-finishing stitches, Fasteners, Advantages of sewing room.</p>	8

Textbooks:

1. S. Andrews, *Hotel Housekeeping Management & Operation*. New Delhi: Tata McGraw Hill, 2008.
2. G. Raghubalan and S.Raghubalan, *Hotel Housekeeping Operation and Management*. 3rd ed, New Delhi: Oxford university press, 2014.

3. S.K. Kaushal and S.N. Kaushal, *Accommodation Operation and Management. 1st ed*, New Delhi: Frank Bros. & Co, 2006

Reference books:

1. M. Schneider and G. Tucker, *The Professional Housekeeper. 4th ed.*, New York: John Wiley, 1999.
2. Thomas J. A. Jones, *Professional Management of Housekeeping operations. 5th ed.*, New York: John Wiley, 2010.
3. Joan C. Branson and M. Lennox, *Hotel, Hostel & Hospital Housekeeping. 5th ed*, London: Hodder Arnold, 1988.
4. M. Kappa and A.Nitschke, *Managing House Keeping Operation.3rd ed*, Lansing Mich: American Hotel and Lodging, Educational Institute, 2008

Gaps in the syllabus (to meet Industry/Profession requirements) - Nil

POs met through Gaps in the Syllabus - N/A

Topics beyond syllabus/Advanced topics/Design - N/A

POs met through Topics beyond syllabus/Advanced topics/Design – N/A

Course Outcome (CO) Attainment Assessment tools & Evaluation procedure

Direct Assessment

Assessment Tool	% Contribution during CO Assessment
First Quiz	10
Mid Semester Examination	25
Second Quiz	10
Teacher's Assessment	5
End Semester Examination	50

Indirect Assessment –

1. Student's Feedback on Course Outcome

Mapping of Course Outcomes onto Program Outcomes

Course Outcome	Program Outcomes (POs)												Program Specific Outcomes (PSOs)		
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
CO1	3	3	3	3	2	1	2	1	1	2	2	3	3	3	3
CO2	3	3	3	3	3	3	2	2	2	1	1	3	3	3	3
CO3	3	3	3	1	3	2	2	2	2	2	3	2	3	3	3
CO4	3	3	3	1	3	3	1	3	2	3	2	2	3	2	2
CO5	3	3	2	3	3	2	3	2	2	2	2	3	2	2	2

Correlation Levels 1,2 or 3 as defined below:

1: Slight (Low) 2: Moderate (Medium) 3: Substantial (High)

Mapping Between COs and Course Delivery (CD) methods

CD Code	Course Delivery methods	Course Outcome	Course Delivery Method Used
CD1	Lecture by use of boards/LCD projectors/OHP projectors	CO1	CD1, CD8
CD2	Tutorials/Assignments	CO2	CD1, CD8
CD3	Seminars	CO3	CD1, CD8
CD4	Mini projects/Projects	CO4	CD1, CD8
CD5	Laboratory experiments/teaching aids	CO5	CD1, CD8
CD6	Industrial/guest lectures		
CD7	Industrial visits/in-plant training		
CD8	Self- learning such as use of NPTEL materials and internets		
CD9	Simulation		

COURSE INFORMATION SHEET

Course code: HM 214
Course title: Front Office Operation - II
Pre-requisite(s): NIL
Co- requisite(s): NIL
Credits: 3 L: 3 T: P:
Class schedule per week: 03
Class: BHMCT
Semester / Level: Fourth / Second
Branch: HMCT
Name of Teacher:

Course Objectives

This course envisions to impart to students to:

1.	Understand the task being carried out in a Lobby of a Hotel
2.	Explain the procedures for effectively managing processes used for individual and group reservations.
3.	Understand the importance of various selling technique in a hotel.
4.	Explain the process of Guest Registration in Hotel.
5.	Understand the responsibility of Front Office department in a hotel.

Course Outcomes

After the completion of this course, students will be able to:

CO1	Distinguish the role & function of various positions in the Front Office Lobby.
CO2	Create a reservation system that helps ensure a hotel's profitability while meeting the needs of guests by using effective reservation technique.
CO3	Develop the selling technique needed for different category of hotels.
CO4	Demonstrate various activities which take place during guest registration.
CO5	Dissect the responsibility associated with the front office department.

SYLLABUS

MODULE	(NO. OF LECTURE HOURS)
<p>Module – I</p> <p>Lobby and Bell Desk Operation: Role of lobby managers, Role of guest relation executive, Function of bell desk, Layout and equipment used, Function of Hospitality desk / Concierge desk, Handling VIPs, Staff Organization, Duty Rota and Work schedule, Luggage handling procedure, Bell desk forms and formats, Car valet operations.</p>	8
<p>Module- II</p> <p>Reservations: Reservation methods, Types of Reservation, Reservation inquiries, Group reservation, The Reservations record, Reservation confirmation, Reservation maintenance Reservation reports, Reservation considerations.</p>	8
<p>Module – III</p> <p>Selling Techniques: Elements of Marketing, Marketing strategies, Client behaviour and buying decision, recognizing customer motive for buying, Pricing strategies, Pricing influence, Market demand, Reception as a sales department, purpose of selling, the hotel product, selling methods.</p>	8
<p>Module- IV</p> <p>Registration: Pre-registration activities, Registration activity, the registration record. Room and rate assignment – Check in Process for - FITs, Groups, Crew, Indian & Foreign national, Documents required for foreign national, Method of payment, Issuing the room key, fulfilling special requests, Creative options, Change of room, Over-booking cases.</p>	8
<p>Module - V</p> <p>Front Office Responsibilities: Front Office Communication: Guest Communication, Logbook, Information Directory, Mail and package handling etc. Guest services, Guest relations, Dealing with emergencies: medical, death, theft, robbery, fire, bomb threats etc.</p>	8

Text Books:

1. Kasavana& Brooks, *Managing Front Office Operations*, AHL&A, 2001
2. S.K.Bhatnagar, *Front Office Management*, Frank Bros. & Co. , 2006
3. Sangeeta Sahney, *Consumer Behaviour*, Oxford University Press, 2017
4. Vishwamohan, *English for Hotel Industry*, Pearson Publication, 2013

Reference Books:

1. Colin Dix & Chirs Baird, *Front office operations*, Pearson, 2006
2. James Bardi, *Hotel Front office management*, John Wiley & Sons, 2011
3. Meenakshi Ramand and Prakash Singh, *Business Communication*, Oxford Publication, 2012.

Gaps in the syllabus (to meet Industry/Profession requirements) - Nil

POs met through Gaps in the Syllabus - N/A

Topics beyond syllabus/Advanced topics/Design - N/A

POs met through Topics beyond syllabus/Advanced topics/Design – N/A

Course Outcome (CO) Attainment Assessment tools & Evaluation procedure

Direct Assessment

Assessment Tool	% Contribution during CO Assessment
First Quiz	10
Mid Semester Examination	25
Second Quiz	10
Teacher's Assessment	5
End Semester Examination	50

Indirect Assessment

1. Student's Feedback on Course Outcome.

Mapping of Course Outcomes onto Program Outcomes

Course Outcome	Program Outcomes (POs)												Program Specific Outcomes (PSOs)		
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
CO1	3	3	2	2	2	1		1	1	1	1	2	3	3	3
CO2	3	3	3	2	2	1	3	3	3	2	1	3	2	1	2
CO3	3	3	2	2	3	3	3	3	3	3	2	3	3	3	3
CO4	3	3	1	1	2	3	1	2	2	2	2	3	2	2	1
CO5	2	3	2	1	1	2	1	3	1	3	3	3	1	3	3

Correlation Levels 1, 2 or 3 as defined below:

- 1: Slight (Low) 2: Moderate (Medium) 3: Substantial (High)

Mapping Between COs and Course Delivery (CD) methods

CD Code	Course Delivery Methods	Course Outcome	Course Delivery Method Used
CD1	Lecture by use of Boards/LCD Projectors	CO1	CD1, CD8
CD2	Tutorials/Assignments	CO2	CD1, CD8
CD3	Seminars	CO3	CD1, CD8
CD4	Mini Projects/Projects	CO4	CD1, CD8
CD5	Laboratory Experiments/Teaching Aids	CO5	CD1, CD8, CD2
CD6	Industrial/Guest Lectures		
CD7	Industrial Visits/In-plant Training		
CD8	Self- learning such as use of NPTEL Materials and Internets		
CD9	Simulation		

COURSE INFORMATION SHEET

Course code: HM 215
Course title: Food production Operation Practical II
Pre-requisite(s): NIL
Co- requisite(s): NIL
Credits: 3 L: T: P: 6
Class schedule per week: 06
Class: BHMCT
Semester / Level: Fourth/Second
Branch: HMCT
Name of Teacher:

Course Objectives

This course envisions to impart to students to:

1.	Understand the quantity catering.
2.	Understand the preparations salads, sandwiches burger, pizza, hotdogs, wraps, rolls, canapés and various types of cold cuts
3.	Understand the preparations of classical dishes of Western Cuisine
4.	Understand the preparations of classical dishes of Oriental Cuisine
5.	Understand the preparations of advance bakery products

Course Outcomes

After the completion of this course, students will be able to:

CO1	Prepare an elaborate menu for quantity catering.
CO2	Prepare salads, sandwiches burger, pizza, hotdogs, wraps, rolls, canapés and various types of cold cuts
CO3	Prepare classical dishes of Western Cuisine.
CO4	Prepare classical dishes of Oriental Cuisine
CO5	Prepare advance bakery products

SYLLABUS

MODULE	(NO. OF PRACTICAL HOURS)
Module – I Quantity cooking Elaborate Indian Menus up to 40 portions (bulk cooking); Theme Parties.	6
Module- II Garde Manger, Fast Food & Cold Cuts Salad, sandwich, wraps, rolls, burger, pizza, hotdog, canapés etc. Cold cuts – pate, terrine, galantine, ballotine etc.	6
Module – III Western Cuisine Menus from French, Italian and Mexican cuisine	9
Module- IV Oriental Cuisine Menus from Chinese, Japanese and Thai cuisine	9
Module - V Advance Pastries And its Products Puff pastry products; short pastries, flans and tarts; choux pastry products; fancy cakes, advance cake icing	30

Text Books:

1. P. S. Bali, *International Cuisine and Food Production Management*, Oxford University Press, New Delhi, 2012
2. K G Dubey, *The Indian Cuisine*, PHI, 2013
3. Kinton & Cessarani, *Practical Cookery*, ELBS, 2010
4. W. Gisslen, *Professional Baking*, John Wiley & Sons, 2009
5. L J Hanneman, *Patisserie*, Routledge, 20005

Reference Books:

1. Le Rol A. Polsom, *The Professional Chef* (4th Edition), Wiley & Sons, 2011
2. Kauffman & Cracknell, *Practical Professional Cookery*, Cengage learning, 1999
3. M J Leto & W K H Bode, *Larder Chef*, Butterworth- Heinemann, 2006
4. Wayne Gisslen, *Professional Cooking*, Le Cordon Bleu, Wiley & Sons,

Gaps in the syllabus (to meet Industry/Profession requirements) - Nil

POs met through Gaps in the Syllabus - N/A

Topics beyond syllabus/Advanced topics/Design - N/A

POs met through Topics beyond syllabus/Advanced topics/Design – N/A

Course Outcome (CO) Attainment Assessment tools & Evaluation procedure

Direct Assessment

Assessment Tool	% Contribution during CO Assessment
Progressive Evaluation	60
End Sem. Evaluation	40

Indirect Assessment

1. Student's Feedback on Course Outcome.

Mapping of Course Outcomes onto Program Outcomes

Course Outcome	Program Outcomes (POs)												Program Specific Outcomes (PSOs)		
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
CO1	3	3	3	2	2			2	2	2	2	3	3	3	2
CO2	3	3	3	2	2			2	2	2		3	3	3	2
CO3	3	3	3	2	2			2	2	2	2	3	3	3	2
CO4	3	3	3	2	2			2	2	2	2	3	3	3	2
CO5	3	3	3	2	2			2	2	2		3	3	3	2

Correlation Levels 1, 2 or 3 as defined below:

- 1: Slight (Low) 2: Moderate (Medium) 3: Substantial (High)

Mapping Between COs and Course Delivery (CD) methods

CD Code	Course Delivery Methods	Course Outcome	Course Delivery Method Used
CD1	Lecture by use of Boards/LCD Projectors	CO1	CD5, CD8
CD2	Tutorials/Assignments	CO2	CD5, CD8
CD3	Seminars	CO3	CD5, CD8
CD4	Mini Projects/Projects	CO4	CD5, CD8
CD5	Laboratory Experiments/Teaching Aids	CO5	CD5, CD8
CD6	Industrial/Guest Lectures		
CD7	Industrial Visits/In-plant Training		
CD8	Self- learning such as use of NPTEL Materials and Internets		
CD9	Simulation		

COURSE INFORMATION SHEET

Course code: HM216
Course title: Food and Beverage Service Practical - IV
Pre-requisite(s): NIL
Co- requisite(s): NIL
Credits: 1.5 L: T: P:3
Class schedule per week: 03
Class: BHMCT
Semester / Level: Fourth / Second
Branch: HMCT
Name of Teacher:

Course Objectives

This course envisions to impart to students to:

1.	Get the technical know-how of distilled beverage service.
2.	Learn the skill of making and serving various types of classic cocktails and mocktails.
3.	Learn the skill of making various types of liquor coffee and serving various types of liqueur and liquor coffee.
4.	Get the technical know-how of dispense bar set up and understand dispense bar operation.
5.	Effectively communicate with the guests.

Course Outcomes

After the completion of this course, students will be able to:

CO1	Demonstrate practical ability to prepare, present & serve a range of distilled beverages.
CO2	Demonstrate practical ability to prepare, present & serve a range of cocktails and mocktails.
CO3	Demonstrate practical ability to prepare, present & serve a range of liqueur and liquor coffee.
CO4	Demonstrate ability to set-up and operate dispense bar.
CO5	Apply social and communication skills in order to respond to the needs of the guests.

SYLLABUS

MODULE	(NO. OF PRACTICAL HOURS)
Module – I Service of Whisky, Rum, Gin, Vodka, Brandy, Tequila.	6
Module- II Service of aperitifs & popular liqueur. Service of liquor coffee (Irish Coffee; Monk Coffee; Russian Coffee; Highland Coffee etc.)	6
Module – III Bar Set-up and operations.	6
Module- IV Cocktail/ Mocktail Preparation, presentation and service.	6
Module - V Social Skills & handling guest complaints.	6

Textbooks:

1. Singaravelavan R. *Food & Beverage Services*, Oxford Publications, 2011
2. Jana A & Srivastava P. *United Colours of Alcohol*, TRIDENT, 2015

Reference books:

1. Albert W.A. Schmid & Laloganes John P. *The Beverage Manager's Guide to Wines, Beers and Spirits*, Pearson. 2011
2. Sudhir A. *Food & Beverage Service: A Training Manual*, McGraw Hill Education. Second Edition.

Gaps in the syllabus (to meet Industry/Profession requirements) - Nil

POs met through Gaps in the Syllabus - N/A

Topics beyond syllabus/Advanced topics/Design - N/A

POs met through Topics beyond syllabus/Advanced topics/Design – N/A

Course Outcome (CO) Attainment Assessment tools & Evaluation procedure

Direct Assessment

Assessment Tool	% Contribution during CO Assessment
Progressive Evaluation	60
End Sem. Evaluation	40

Indirect Assessment

1. Student's Feedback on Course Outcome.

Mapping of Course Outcomes onto Program Outcomes

Course Outcome	Program Outcomes (POs)												Program Specific Outcomes (PSOs)		
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
CO1	3	3	3	2	2	2		1		3	2	3	3	3	2
CO2	3	3	3	2	2	2		1		3	2	3	3	3	2
CO3	3	3	3	2	2	2		1		3	2	3	3	3	2
CO4	3	3	3	3	2	3		2	2	2	1	3	3	3	1
CO5	3	3	3	1	2	3		2	1	3	3	3	3	3	2

Correlation Levels 1, 2 or 3 as defined below:

- 1: Slight (Low) 2: Moderate (Medium) 3: Substantial (High)

Mapping Between COs and Course Delivery (CD) methods

CD Code	Course Delivery Methods	Course Outcome	Course Delivery Method Used
CD1	Lecture by use of Boards/LCD Projectors	CO1	CD5, CD8
CD2	Tutorials/Assignments	CO2	CD5, CD8
CD3	Seminars	CO3	CD5, CD8
CD4	Mini Projects/Projects	CO4	CD5, CD8
CD5	Laboratory Experiments/Teaching Aids	CO5	CD5, CD8, CD9
CD6	Industrial/Guest Lectures		
CD7	Industrial Visits/In-plant Training		
CD8	Self- learning such as use of NPTEL Materials and Internets		
CD9	Simulation		

COURSE INFORMATION SHEET

Course code: HM 217
Course title: Accommodation Operation Practical-II
Pre-requisite(s): NIL
Co- requisite(s): NIL
Credits: 1.5 L: T: P: 3
Class schedule per week: 03
Class: BHMCT
Semester / Level: Fourth/ Second
Branch: HMCT
Name of Teacher:

Course Objectives

This course envisions to impart to students to:

1.	Explain various laundry equipment and their operations.
2.	Classify various types of stains and their removal process.
3.	Learn about taking inventory of linen.
4.	Plan setting of Par stock.
5.	Develop the art of stitching.

Course Outcomes

After the completion of this course, students will be able to:

CO1	Identify various laundry equipment.
CO2	Plan laundry operations.
CO3	Identify various types of stains and process of removal.
CO4	Explain the process of taking inventory and compute par stock.
CO5	Explain the art of stitching.

SYLLABUS

MODULE	(NO.OF PRACTICAL HOURS)
Module – I Laundry Identification of laundry equipment and its handling. Laundry operation (Sorting, washing, pressing, folding and storing) Planning and designing laundry cycle.	9
Module – II Stain Identify different types of stains. Stain removal procedure (ink, blood, turmeric, beetle, nail polish, rust, gravy, lipsticks, dye, tea, coffee, butter etc.)	9
Module – III Laundry layout Designing laundry layout.	6
Module – IV Linen Inventory Linen and uniform inventory Calculating par stock	6
Module – V Basics of Stitching Identifying stitching tools and equipment. Stitching.	6

Textbooks:

1. S. Andrews, *Hotel Housekeeping Management & Operation*. New Delhi: Tata McGraw Hill, 2008.
2. G. Raghubalan and S.Raghubalan, *Hotel Housekeeping Operation and Management*. 3rd ed, New Delhi: Oxford university press, 2014.
3. S.K. Kaushal and S.N. Kaushal, *Accommodation Operation and Management*. 1st ed, New Delhi: Frank Bros. & Co, 2006

Reference books:

1. M. Schneider and G. Tucker, *The Professional Housekeeper*. 4th ed., New York: John Wiley, 1999.
2. Thomas J. A. Jones, *Professional Management of Housekeeping operations*. 5th ed., New York: John Wiley, 2010.

3. Joan C. Branson and M. Lennox, *Hotel, Hostel & Hospital Housekeeping*. 5th ed, London: Hodder Arnold, 1988.
4. M. Kappa and A.Nitschke, *Managing House Keeping Operation*.3rd ed, Lansing Mich: American Hotel and Lodging, Educational Institute, 2008

Gaps in the syllabus (to meet Industry/Profession requirements) - Nil

POs met through Gaps in the Syllabus - N/A

Topics beyond syllabus/Advanced topics/Design - N/A

POs met through Topics beyond syllabus/Advanced topics/Design – N/A

Course Outcome (CO) Attainment Assessment tools & Evaluation procedure

Direct Assessment

Assessment Tool	% Contribution during CO Assessment
Progressive Evaluation	60
End Evaluation	40

Indirect Assessment –

1. Student’s Feedback on Course Outcome

Mapping of Course Outcomes onto Program Outcomes

Course Outcome	Program Outcomes (POs)												Program Specific Outcomes (PSOs)		
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
CO1	3	3	3	3	2	1	2	2	3	2	2	3	3	3	2
CO2	3	3	3	1	2	3	2	2	3	2	1	3	3	3	3
CO3	3	3	3	3	2	2	2	2	3	1	1	3	3	2	2
CO4	3	3	3	2	3	1	1	3	2	3	2	3	3	3	2
CO5	3	3	2	1	2	3	2	2	2	1	2	3	2	3	3

Correlation Levels 1,2 or 3 as defined below:

- 1: Slight (Low) 2: Moderate (Medium) 3: Substantial (High)

Mapping Between COs and Course Delivery (CD) methods

CD Code	Course Delivery methods	Course Outcome	Course Delivery Method Used
CD1	Lecture by use of boards/LCD projectors/OHP projectors	CO 1	CD5, CD8
CD2	Tutorials/Assignments	CO 2	CD5, CD8
CD3	Seminars	CO 3	CD5, CD8
CD4	Mini projects/Projects	CO 4	CD5, CD8
CD5	Laboratory experiments/teaching aids	CO 5	CD5, CD8
CD6	Industrial/guest lectures		
CD7	Industrial visits/in-plant training		
CD8	Self- learning such as use of NPTEL materials and internets		
CD9	Simulation		

COURSE INFORMATION SHEET

Course code: HM 218
Course title: Front Office Operation Practical - II
Pre-requisite(s): NIL
Co- requisite(s): NIL
Credits: 1.5 L: T: P: 3
Class schedule per week: 03
Class: BHMCT
Semester / Level: Third / Second
Branch: HMCT
Name of Teacher:

Course Objectives

This course envisions to impart to students to:

1.	Understand the task being carried out in a Lobby of a Hotel
2.	Explain the procedures for effectively managing processes used for individual and group reservations.
3.	Understand the complains related to reservation.
4.	Explain the process of Guest Registration in Hotel.
5.	Understand the responsibility of Front Office department in a hotel.

Course Outcomes

After the completion of this course, students will be able to:

CO1	Plan a Lobby layout of a hotel.
CO2	Illustrate Reservation handling in semi-automated and fully automated hotels.
CO3	Demonstrate the handling of reservation
CO4	Demonstrate various activities which take place during guest registration.
CO5	Explain the responsibility associated with the front office department

SYLLABUS

MODULE	(NO. OF PRACTICAL HOURS)
Module – I Lobby Layout Planning a Lobby of a Hotel. Identification of various equipment used in Lobby.	6
Module- II Role Play of Reservation handling Role play of accepting reservations. Role play of walking a guest and complaint handling for bumped reservations Reservation handling by computers using PMS.	9
Module – III Selling Technique How to handle inquiries and do suggestive selling. How to convert inquiries to valid reservations Preparing and filling up reservation forms	9
Module- IV Registration Preparing and filling up registration card Role play for different check ins as - Walk in, Corporate, VIP, CIP and Groups	6
Module - V Front Office Responsibilities Role play on guest complaint handling, Role play on critical and dangerous situation handling	6

Textbooks:

1. Sudhir Andrews, *Front Office: A Training Manual*, Tata McGraw Hill, 2011

Reference Books:

1. Colin Dix & Chirs Baird, *Front office operations*, Pearson, 2006.
2. James Bardi, *Hotel Front office management*, John Wiley & Sons, 2011.

Gaps in the syllabus (to meet Industry/Profession requirements) - Nil

POs met through Gaps in the Syllabus - N/A

Topics beyond syllabus/Advanced topics/Design - N/A

POs met through Topics beyond syllabus/Advanced topics/Design – N/A

Course Outcome (CO) Attainment Assessment tools & Evaluation procedure

Direct Assessment

Assessment Tool	% Contribution during CO Assessment
Progressive Evaluation	60
End Sem. Evaluation	40

Indirect Assessment

1. Student's Feedback on Course Outcome.

Mapping of Course Outcomes onto Program Outcomes

Course Outcome	Program Outcomes (POs)												Program Specific Outcomes (PSOs)		
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
CO1	3	3	2	2	2	1		1	1	1	1	2	3	3	3
CO2	3	3	3	2	2	1	3	3	3	2	1	3	2	1	2
CO3	3	3	2	2	3	3	3	3	3	3	2	3	3	3	3
CO4	3	3	1	1	2	3	1	2	2	2	2	3	2	2	1
CO5	2	3	2	1	1	2	1	3	1	3	3	3	1	3	3

Correlation Levels 1, 2 or 3 as defined below:

- 1: Slight (Low) 2: Moderate (Medium) 3: Substantial (High)

Mapping Between COs and Course Delivery (CD) methods

CD Code	Course Delivery Methods	Course Outcome	Course Delivery Method Used
CD1	Lecture by use of Boards/LCD Projectors	CO1	CD5, CD8
CD2	Tutorials/Assignments	CO2	CD5, CD8
CD3	Seminars	CO3	CD5, CD8, CD9
CD4	Mini Projects/Projects	CO4	CD5, CD8, CD9
CD5	Laboratory Experiments/Teaching Aids	CO5	CD5, CD8, CD9
CD6	Industrial/Guest Lectures		
CD7	Industrial Visits/In-plant Training		
CD8	Self- learning such as use of NPTEL Materials and Internets		
CD9	Simulation		

COURSE INFORMATION SHEET

Course code: HM 301
Course title: Industrial Training
Pre-requisite(s) NIL
Co-requisite(s): NIL
Credits: 20 L: T: P:
(Training duration: Min. 18 weeks)
Class: BHMCT
Semester/Level Fifth / Third
Branch: HMCT
Name of Teacher:

Course Objectives

This course envisions to impart to students to:

1.	Gain the practical knowledge and skills with systems, standards, and practices of hotel industry.
2.	Train, motivate, develop and build the confidence in the practical work of hotel operations in all four core areas.
3.	Understand the practicality of real time operations in hotel.
4.	Develop the skill of team building and leadership.
5.	Apply the technique of trouble shooter practically in the field.

Course Outcomes

After the completion of this course, students will be able to:

1.	Identify their key operational areas of interest.
2.	Illustrate the first-hand practical knowledge on their areas of interest.
3.	Demonstrate the ability to work in a professional and commercial hotel
4.	Enhance employability skills with their requisite knowledge, skills, attitude and practical experience.
5.	Solidify the on-campus learning process and activities, while also provide students with relevant work experience.

SYLLABUS

MODULE	NO. OF WEEK
Module I Front Office: Areas to be covered: Reservation, Reception, Bell-desk, Cashier, Business center, Airport rep etc.	18 Weeks
Module II Housekeeping: Areas to be covered: Floors, Public area, Linen / Laundry / Uniform Room, Housekeeping Desk, Florist and Housekeeping Stores.	
Module III Food Production: Areas to be covered: Main Kitchen, Garde Manger, Butchery, Bakery, Restaurant kitchen/ Stores - layout of kitchens - brand names of equipment used.	
Module IV Food and Beverage Service: Areas to be covered: Room Service, Coffee Shop, Banquets, Bar, Specialty Restaurants.	
Module V Sales, Maintenance and Human Resource: Areas to be covered: Sales strategies, working of maintenance department, process of recruitment and training.	

Gaps in the syllabus (to meet Industry/Profession requirements) - Nil

POs met through Gaps in the Syllabus - N/A

Topics beyond syllabus/Advanced topics/Design - N/A

POs met through Topics beyond syllabus/Advanced topics/Design – N/A

Course Outcome (CO) Attainment Assessment tools & Evaluation procedure

Direct Assessment

Assessment Tool	% Contribution during CO Assessment
Progressive Evaluation	60
End Sem Evaluation	40

Indirect Assessment

1. Student's Feedback on Course Outcome.
2. Student Feedback on Hotel

Mapping of Course Outcomes onto Program Outcomes

Course Outcome	Program Outcomes (POs)												Program Specific Outcomes (PSOs)		
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
CO1	3	3	3	2	2	2	3	1	1	2	3	2	3	2	2
CO2	3	3	3	3	3	3	2	1	3	2	1	3	3	2	3
CO3	3	3	3	2	2	2	2	2	3	3	3	2	3	2	3
CO4	3	3	3	3	3	3	2	3	2	3	2	3	3	2	2
CO5	3	3	3	2	3	2	2	1	2	3	3	2	3	2	2

Correlation Levels 1, 2 or 3 as defined below:

- 1: Slight (Low) 2: Moderate (Medium) 3: Substantial (High)

Mapping Between COs and Course Delivery (CD) methods

CD	Course Delivery methods	Course Outcome	Course Delivery Method
CD1	Lecture by use of boards/LCD projectors/OHP projectors	CO1	CD 7, CD 8
CD2	Tutorials/Assignments	CO2	CD 7, CD 8
CD3	Seminars	CO3	CD 7, CD 8
CD4	Mini projects/Projects	CO4	CD 7, CD 8
CD5	Laboratory experiments/teaching aids	CO5	CD 7, CD 8
CD6	Industrial/guest lectures		
CD7	Industrial visits/in-plant training		
CD8	Self- learning such as use of NPTEL materials and internets		
CD9	Simulation		

COURSE INFORMATION SHEET

Course code: HM 306
Course title: Diet Therapy
Pre-requisite(s): NIL
Co- requisite(s): NIL
Credits: 2 L:2 T: P:
Class schedule per week: 2
Class: BHMCT
Semester / Level: Sixth/Third
Branch: BHMCT
Name of Teacher:

Course Objectives

This course envisions to impart to students to:

1.	Understand different types of diet.
2.	Know the type of diet required in fever and infections.
3.	Know the type of diet required in cardiovascular disease.
4.	Know the type of diet required in liver disease.
5.	Know the type of diet required in renal disease.

Course Outcomes

After the completion of this course, students will be to:

CO1	Identify different types of diet.
CO2	Describe the type of diet required in fever and infections.
CO3	Point out the type of diet required in cardiovascular disease.
CO4	Identify the type of diet required in liver disease.
CO5	Point out the type of diet required in renal disease.

SYLLABUS

MODULE	(NO. OF LECTURE HOURS)
Module – I Nutrition and Dietetics: Role of Dietitian, Diet Therapy: Routine hospital diet, Regular diet, Light diet, Soft Diet, Full, liquid diet. Principle of diet survey. Composition and nutritional value of common foodstuffs. Physiology of starvation and obesity. Basal metabolic rate - factors, Respiratory quotient. Specific dynamic action. Calorific value of foods. Body calorie requirements – adult consumption unit.	7
Module- II Diet in Fever: Diet in fevers and infections – Typhoid, Malaria and Tuberculosis. Diet in gastrointestinal disorders: Diarrhoea, Constipation, Peptic ulcer. Allergies: Definitions, symptoms, diagnosis and dietary management - food selection.	7
Module – III Diet in Cardiovascular Diseases: Diet in Cardiovascular diseases. Dietary care: Ischemic Heart Disease - nutritional management. Hypertension - etiology, prevalence, nutritional management. Prevention of cardiovascular diseases and diet.	7
Module- IV Diet in Liver Diseases: Diet in diseases of liver and gall bladder. Dietary management in Atherosclerosis and hypertension.	7
Module - V Diet in Renal Diseases: Diet in Diabetes mellitus – Classification, predisposing factors, Diagnosis, Dietary Management in Glomerulonephritis, - Acute and chronic renal failure.	7

Textbooks:

1. Anderson, L., Dibble, P.R., Mitchall, H.S., and Rynbergin H. J.: *Nutrition in Health and Disease*. J. B. Lippincott & Co. Philadelphia. 17th Edition, 1982.
2. Anita F. P.: *Clinical Dietetics and Nutrition*, Second Edition, Oxford University Press, Delhi. 4th Edition 2002.
3. Mahan, L. K., Arlin, M. T.: *Krause's Food, Nutrition and Diet Therapy*. 8th edition, W. B. Saunders Company, London. 1993.
4. Robinson. C.H. Lawler, M.R. Chenoweth, W. L., and Garwick, A. E.: *Normal and Therapeutic Nutrition*. MacMilan Publishing Co, United Kingdom. 17th Edition, 1991.

Reference books:

1. Begum R: A textbook of food, nutrition and dietetics Sterling Publishers, New Delhi. 3rd Edition 2009.
2. Williams. S. R.: *Nutrition & Diet Therapy*, Times Mirror/Mosby College Publishing, St. Louis. 6th Edition. 1989.

3. Joshi, S. A.: *Nutrition and Dietetics*, Tata McGraw Hill, Publications, New Delhi.1994.

Gaps in the syllabus (to meet Industry/Profession requirements) - Nil

POs met through Gaps in the Syllabus - N/A

Topics beyond syllabus/Advanced topics/Design-N/A

POs met through Topics beyond syllabus/Advanced topics/Design-N/A

Course Outcome (CO) Attainment Assessment tools & Evaluation procedure

Direct Assessment

Assessment Tool	% Contribution during CO Assessment
First Quiz	10
Mid Semester Examination	25
Second Quiz	10
Teacher's Assessment	5
End Semester Examination	50

Indirect Assessment

1. Student's Feedback on Course Outcome.

Mapping of Course Outcomes onto Program Outcomes

Course Outcome	Program Outcomes (POs)												Program Specific Outcomes (PSOs)		
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
CO1	1	2	3		2	1	3	1	2		2	1	3	2	1
CO2	1	2	3		2		3	1	2	1	2		3	2	1
CO3	1	2	3	1	2	1	3		2	1	2	1	3	2	1
CO4	1	2	3	1	2	1	3	1	2	1	2	1	3	2	2
CO5	2	2	3	1	2		3		2	1	2	1	3	2	1

Correlation Levels 1, 2 or 3 as defined below:

- 1: Slight (Low) 2: Moderate (Medium) 3: Substantial (High)

Mapping Between COs and Course Delivery (CD) methods

CD	Course Delivery methods	Course Outcome	Course Delivery Method Used
CD1	Lecture by use of boards/LCD projectors	CO1	CD1, CD8
CD2	Tutorials/Assignments	CO2	CD1, CD8
CD3	Seminars	CO3	CD1, CD8
CD4	Mini projects/Projects	CO4	CD1, CD8
CD5	Laboratory experiments/teaching aids	CO5	CD1, CD8
CD6	Industrial/guest lectures		
CD7	Industrial visits/in-plant training		
CD8	Self- learning such as use of NPTEL materials and internets		
CD9	Simulation		

COURSE INFORMATION SHEET

Course code: HM307
Course title: Hotel Marketing
Pre-requisite(s): NIL
Co- requisite(s): NIL
Credits: 3 L: 3 T: P:
Class schedule per week: 03
Class: BHMCT
Semester / Level: Sixth / Third
Branch: HMCT
Name of Teacher:

Course Objectives

This course envisions to impart to students to:

1.	Understand the concept and nature of service and service marketing.
2.	Assess different hotel products and services and its marketing.
3.	Plan the pricing and promotion of hotel services.
4.	Understand the role and importance of CRM in hotel industry.
5.	Explain the role of technology in hotel business operation.

Course Outcomes

After the completion of this course, students will be able to:

CO1	Explain the concept of service and its marketing.
CO2	Identify hotel products and services for its marketing strategy.
CO3	Apply pricing and promotion strategy of hotel services.
CO4	Explain the concept of CRM and its significance in hotel marketing.
CO5	Explain the role of technology in hotel business operation.

SYLLABUS

MODULE	(NO.OF LECTURE HOURS)
<p>Module – I</p> <p>Nature and scope of Hotel service: Introduction, meaning of Hotel, growth of hotel sectors. Classification of hotels, Concept of service, Level of service, unique characteristics, difference between services and tangible products, evolution of services marketing.</p>	8
<p>Module – II</p> <p>Marketing hotel services: Introduction to hotel product and services, types of hotel services, salesmanship quality of hotel staffs, selling technique, Up-selling, Suggestive selling, Customer expectation of the service, Measuring and monitoring service quality, service value, Monitoring customer satisfaction.</p> <p>Service marketing triangle: External marketing, Interactive marketing and Internal marketing</p>	8
<p>Module – III</p> <p>Pricing and Promotion of Hotel services: Definition and meaning, Pricing objectives, significance, Approaches to pricing service: Cost based pricing, Competition based pricing, Demand based pricing, Relationship between price and value.</p> <p>Promotion: Meaning, Objectives of promotion, promotion as a component in marketing communication, promotion mix, Personal selling, Publicity, Public relation, Sales promotion: Importance, Advertisement, event management, Promotion and communication channels of hotel.</p>	8
<p>Module – IV</p> <p>Customer relationship management: Meaning, definition, Objectives of CRM, Significance of CRM, Dimensions of CRM, Components of CRM, Role of CRM in customer satisfaction and retention, Role of CRM in hotel business performance, Advantages of CRM in Hotels.</p>	8
<p>Module – V</p> <p>Technology in hotel marketing: Application of technology at the front desk: Information, reservation, accounting and billing. Application of technology at POS, sales promotion, advertisement, database management, Relationship marketing, Public relation, Publicity, Web site design, Market research. Internet marketing, Advantages of technology in hotel service.</p>	8

Textbook:

1. V. S. Ramaswamy and S. Namakumari, *Marketing Management: Planning, Implementation & Control. 3rd ed*, New Delhi: Macmillan India Ltd, 2005.
2. R. Shankar, *Services Marketing. 1st ed.*, New Delhi: Excel Books, 2009.
3. Valarie A. Zeithaml and M. J. Bitner, *Services Marketing. 2nd ed.*, New Delhi: Tata Mc Grow Hill, 2001.
4. James C. Maken, P. Kotler and John T. Bowen, *Marketing for Tourism and Hospitality. 4th ed.*, New Jersey: Pearson Education, 2005.

Reference books:

1. D. Bowie and F. Buttle, *Hospitality Marketing: Principle and Practices*. UK:Elsevier Butterworth-Heinemann, 2011.
2. K. Prasanna, *Marketing of Hospitality and Tourism Services*. New Delhi: Tata McGraw Hill Education Private Limited, 2010.
3. Robert D. Reid and David C. Bojanic, *Hospitality Marketing Management. 6th ed.*, New York: John Wiley & Sons, 2016.
4. S. Dickman, *Tourism and Hospitality Marketing*. New Delhi: Oxford university Press, 1999.
5. Michael L. Kasavana and John J. Cahil, *Managing Computers in the Hospitality Industry. 2nd ed.*, New York: AHMA, 1992.
6. P. Greenberg, *CRM at the Speed of Light. 4th ed.*, New Delhi: Tata McGraw Hill, 2010.

Gaps in the syllabus (to meet Industry/Profession requirements) - Nil

POs met through Gaps in the Syllabus - N/A

Topics beyond syllabus/Advanced topics/Design - N/A

POs met through Topics beyond syllabus/Advanced topics/Design – N/A

Course Outcome (CO) Attainment Assessment tools & Evaluation procedure

Direct Assessment

Assessment Tool	% Contribution during CO Assessment
First Quiz	10
Mid Semester Examination	25
Second Quiz	10
Teacher's Assessment	5
End Semester Examination	50

Indirect Assessment –

1. Student's Feedback on Course Outcome

Mapping of Course Outcomes onto Program Outcomes

Course Outcome	Program Outcomes (POs)												Program Specific Outcomes (PSOs)		
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
CO1	3	3	3	2	3	2	2	3	2	3	3	3	3	2	3
CO2	3	3	3	3	3	2	2	1	2	2	2	3	3	2	3
CO3	3	3	3	3	3	3	1	3	3	2	3	3	3	2	3
CO4	3	3	3	3	3	3	3	2	2	3	3	3	3	3	3
CO5	3	3	3	2	3	3	3	2	2	2	3	3	3	3	3

Correlation Levels 1,2 or 3 as defined below:

1: Slight (Low) 2: Moderate (Medium) 3: Substantial (High)

Mapping Between COs and Course Delivery (CD) methods

CD Code	Course Delivery methods	Course Outcome	Course Delivery Method Used
CD1	Lecture by use of boards/LCD projectors/OHP projectors	CO1	CD1, CD8
CD2	Tutorials/Assignments	CO2	CD1, CD8
CD3	Seminars	CO3	CD1, CD8
CD4	Mini projects/Projects	CO4	CD1, CD8
CD5	Laboratory experiments/teaching aids	CO5	CD1, CD8
CD6	Industrial/guest lectures		
CD7	Industrial visits/in-plant training		
CD8	Self- learning such as use of NPTEL materials and internets		
CD9	Simulation		

Course code: HM 308
Course title: CRM in Hospitality Industry
Pre-requisite(s): NIL
Co- requisite(s): NIL
Credits: 3 L: 3 T: P:
Class schedule per week: 03
Class: BHMCT
Semester / Level: Sixth / Third
Branch: HMCT
Name of Teacher:

Course Objectives

This course envisions to impart to students to:

1.	Understand role of Consumer Behaviour and its implication in Customer Relationship Management.
2.	Explain the nature of CRM in Hotel Industry.
3.	Understand the importance of CRM in Hotel Industry
4.	Explain the requirement of support needed for effective CRM
5.	Understand the importance of E-CRM in Hospitality segment.

Course Outcomes

After the completion of this course, students will be able to:

CO1	Explain the meaning and importance of Customer Relationship Management in Hospitality Industry.
CO2	Analyse the nature of consumer behaviour.
CO3	Develop a CRM process for Hospitality industry.
CO4	Explain the technological support required in CRM.
CO5	Develop E CRM for Hospitality Industry.

MODULE	(NO. OF LECTURE HOURS)
Module – I Customer Relationship Management: Introduction, Meaning and Definition of CRM, Importance of CRM, Concept and Growth of Relationship Marketing, Scope of Relationship Marketing, concept of Lifetime Customer and Customer Loyalty, Benefits and difficulties of CRM	8
Module- II Consumer Behaviour: Defining Consumer behaviour, Nature and scope of consumer behaviour, Production concept, product concept, selling concept, marketing concept, societal marketing concept, customer concept, Holistic Marketing concept.	8
Module – III CRM Process: Introduction, Customer Development Process, customer Retention, Customer satisfaction, Importance of customer retention, Customer Retention Strategies, Customer Lifetime Value, types of Relationship Management	8
Module- IV Technological support in CRM: Introduction, technological Applications in CRM, types of Technological Applications in CRM, Customer Databases and Information Systems, Database Marketing Strategies, CRM Software Solutions for B2C, Customer Loyalty and Profitability through Technology.	8
Module - V E – CRM: Introduction, importance of e-CRM in Service Marketing, Challenges involved in formulating and implementing e-CRM strategies, e-CRM architecture and its components, Engines of e-CRM, Evolution of e-customer and e-marketing, e-CRM for personalized services	8

Textbooks:

1. Jagdish N Seth, Atul Parvatiyar, G. Shairesh, *Customer Relationship Management: Emerging Concepts, Tools and Application*, Tata McGraw Hill, 2000
2. Ken Burnett, *The Handbook of Key Customer Relationship Management*, Pearson, 2000.
3. Sangeeta Sahney, *Consumer Behaviour*, Oxford University Press, 2017

Reference Books:

1. Jorge Carrola Rodrigue, *CRM for Dummies*, John Wiley & Sons, 2012.

Gaps in the syllabus (to meet Industry/Profession requirements) - Nil

POs met through Gaps in the Syllabus - N/A

Topics beyond syllabus/Advanced topics/Design - N/A

POs met through Topics beyond syllabus/Advanced topics/Design – N/A

Course Outcome (CO) Attainment Assessment tools & Evaluation procedure

Direct Assessment

Assessment Tool	% Contribution during CO Assessment
First Quiz	10
Mid Semester Examination	25
Second Quiz	10
Teacher's Assessment	5
End Semester Examination	50

Indirect Assessment

1. Student's Feedback on Course Outcome.

Mapping of Course Outcomes onto Program Outcomes

Course Outcome	Program Outcomes (POs)												Program Specific Outcomes (PSOs)		
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
CO1	2	2	3		2	2	1	2	1	2	2	2	2	1	2
CO2	1	1	2		1	2		1		2	1		1	1	1
CO3	1	1	3	2	3	2	2	3	1	3	2	3	3	1	2
CO4	1	2	2	3	2	2	3	3	3	2	2	3	1	2	3
CO5	1		2	2	2	2	2	2	3	3	3	3	1	2	3

Correlation Levels 1, 2 or 3 as defined below:

- 1: Slight (Low) 2: Moderate (Medium) 3: Substantial (High)

Mapping Between COs and Course Delivery (CD) methods

CD Code	Course Delivery Methods	Course Outcome	Course Delivery Method Used
CD1	Lecture by use of Boards/LCD Projectors	CO1	CD1, CD8
CD2	Tutorials/Assignments	CO2	CD1, CD8
CD3	Seminars	CO3	CD1, CD8
CD4	Mini Projects/Projects	CO4	CD1, CD8
CD5	Laboratory Experiments/Teaching Aids	CO5	CD1, CD8, CD2
CD6	Industrial/Guest Lectures		
CD7	Industrial Visits/In-plant Training		
CD8	Self- learning such as use of NPTEL Materials and Internets		
CD9	Simulation		

COURSE INFORMATION SHEET

Course code: HM 309
Course title: Advance Indian Cuisine
Pre-requisite(s): NIL
Co- requisite(s): Advance Indian Cuisine Practical HM 318
Credits: 3 L:3 T: P:
Class schedule per week: 03
Class: BHMCT
Semester / Level: Sixth/Third
Branch: HMCT
Name of Teacher:

Course Objectives

This course envisions to impart to students to:

1.	Understand North Indian cooking and preparations.
2.	Understand South Indian cooking and preparations.
3.	Understand East Indian cooking and preparations.
4.	Understand West Indian cooking and preparations.
5.	Understand Central Indian cooking and preparations.

Course Outcomes

After the completion of this course, students will be able to:

CO1	Decipher the North Indian cuisine on its merit.
CO2	Decipher the South Indian cuisine on its merit
CO3	Decipher the East Indian cuisine on its merit
CO4	Decipher the West Indian cuisine on its merit
CO5	Decipher the Central Indian cuisine on its merit

SYLLABUS

MODULE	(NO. OF LECTURE HOURS)
<p>Module – I</p> <p>Indian Cuisines from North region Introduction, geographical perspectives, brief historical background, characteristics & salient features of cuisine, key ingredients, popular foods, seasonal foods, special equipment, staple diets, specialties during festivals and other occasions, community foods.</p>	8
<p>Module- II</p> <p>Indian Cuisines from South region Introduction, geographical perspectives, brief historical background, characteristics & salient features of cuisine, key ingredients, popular foods, seasonal foods, special equipment, staple diets, specialties during festivals and other occasions, community foods.</p>	8
<p>Module – III</p> <p>Indian Cuisines from East region Introduction, geographical perspectives, brief historical background, characteristics & salient features of cuisine, key ingredients, popular foods, seasonal foods, special equipment, staple diets, specialties during festivals and other occasions, community foods.</p>	8
<p>Module- IV</p> <p>Indian Cuisines from West region Introduction, geographical perspectives, brief historical background, characteristics & salient features of cuisine, key ingredients, popular foods, seasonal foods, special equipment, staple diets, specialties during festivals and other occasions, community foods.</p>	8
<p>Module - V</p> <p>Indian Cuisines from Central region Introduction, geographical perspectives, brief historical background, characteristics & salient features of cuisine, key ingredients, popular foods, seasonal foods, special equipment, staple diets, specialties during festivals and other occasions, community foods</p>	8

Textbooks:

1. Dubey *The Indian Cuisine*, PHI, 2013
2. P. S. Bali, *Quantity Food Production Operations and Indian Cuisine*, Oxford University Press, New Delhi, 2012

Reference Books:

1. M. Baljekar, *The complete Indian Cookbook*, Om books, 2008
2. J Kalra and P. D. Gupta, *Prasad: Cookery with Indian masters*, Allied Publishers, 2016
3. Madhur Jaffrey, *A Taste of India*, Wiley, 1988

Gaps in the syllabus (to meet Industry/Profession requirements) - Nil

POs met through Gaps in the Syllabus - N/A

Topics beyond syllabus/Advanced topics/Design - N/A

POs met through Topics beyond syllabus/Advanced topics/Design – N/A

Course Outcome (CO) Attainment Assessment tools & Evaluation procedure

Direct Assessment

Assessment Tool	% Contribution during CO Assessment
First Quiz	10
Mid Semester Examination	25
Second Quiz	10
Teacher’s Assessment	5
End Semester Examination	50

Indirect Assessment

1. Student’s Feedback on Course Outcome.

Mapping of Course Outcomes onto Program Outcomes

Course Outcome	Program Outcomes (POs)												Program Specific Outcomes (PSOs)		
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
CO1	3	3	3	2	2	2		3	2	2	3	3	3	3	2
CO2	3	3	3	2	2	2		3	2	2	3	3	3	3	2
CO3	3	3	3	2	2	2		3	2	2	3	3	3	3	2
CO4	3	3	3	2	2	2		3	2	2	3	3	3	3	2
CO5	3	3	3	2	2	2		3	2	2	3	3	3	3	2

Correlation Levels 1, 2 or 3 as defined below:

- 1: Slight (Low) 2: Moderate (Medium) 3: Substantial (High)

Mapping Between COs and Course Delivery (CD) methods

CD Code	Course Delivery Methods	Course Outcome	Course Delivery Method Used
CD1	Lecture by use of Boards/LCD Projectors	CO1	CD1, CD8
CD2	Tutorials/Assignments	CO2	CD1, CD8
CD3	Seminars	CO3	CD1, CD8
CD4	Mini Projects/Projects	CO4	CD1, CD8
CD5	Laboratory Experiments/Teaching Aids	CO5	CD1, CD8
CD6	Industrial/Guest Lectures		
CD7	Industrial Visits/In-plant Training		
CD8	Self- learning such as use of NPTEL Materials and Internets		
CD9	Simulation		

COURSE INFORMATION SHEET

Course code: HM 310
Course title: Food Production and Bakery Management
Pre-requisite(s): NIL
Co- requisite(s): NIL
Credits: 3 L:3 T: P:
Class schedule per week: 03
Class: BHMCT
Semester / Level: Sixth/Third
Branch: HMCT
Name of Teacher:

Course Objectives

This course envisions to impart to students to:

1.	Understand the operational aspects of various commercial kitchens.
2.	Understand the planning of an efficient kitchen.
3.	Understand various elements of costs and sales.
4.	Understand the principles and concepts of control system to typical decisions in food and beverage establishments.
5.	Understand the principles and concept of labour control as an integral part of a hospitality operation.

Course Outcomes

After the completion of this course, students will be able to:

CO1	Distinguish the operational aspects of various commercial kitchens.
CO2	Plan an efficient kitchen.
CO3	Evaluate various elements of costs and sales.
CO4	Apply the principles and concepts of control system to typical decisions in food and beverage establishments.
CO5	Apply the principles and concept of labour control as an integral part of a hospitality operation.

SYLLABUS

MODULE	(NO. OF LECTURE HOURS)
<p>Module – I</p> <p>Production Management Catering System- planning, controlling, components; Menu- sales & working, food policy, composition of menu, types of menu, menu engineering; Production planning and control- production and service systems, catering information system, projected sales mix, purchasing policy, production planning & control</p>	8
<p>Module- II</p> <p>Kitchen Planning and management Kitchen planning- plan, location, area, workflow, layout, kitchen sections, facility management; kitchen equipment- principles, types; kitchen maintenance and energy management- preventive and remedial maintenance, energy management, energy conservation measures</p>	8
<p>Module – III</p> <p>Cost & Sales Concepts Definition of Cost, Elements of Cost, Classification of Cost, Sales defined, Ways of expressing sales concepts, Cost/Volume/Profit Relationships (Break-even analysis).</p>	8
<p>Module- IV</p> <p>Food Control Purchasing Control, Receiving Control, Storing and Issuing Control, Production Control, Cost Control, Sales Control, Standard Yield, Standard Portion Sizes, Standard Recipes.</p>	8
<p>Module - V</p> <p>Labour Control Labour cost considerations, Types of compensations; Organizational plan, Job analysis, Forecasting and scheduling of Personnel, Standards of Performance, Payroll Analysis.</p>	8

Textbooks:

1. J Fuller & D Kirk, Kitchen Planning and Management, Butterworth- Heinemann, 1991
2. Davis B, Lockwood A, Stone S, Butterworth-Heinemann. *Food & Beverage Management*, Elsevier, 2012.

Reference Books:

1. Cousins J, Foskett, D, Gillespie C. *Food and Beverage Management*, Pearson Education India, 2006.
2. Varghese B. *Food & Beverage Service Management*, Macmillan India Limited, 2009.

Gaps in the syllabus (to meet Industry/Profession requirements) - Nil

POs met through Gaps in the Syllabus - N/A

Topics beyond syllabus/Advanced topics/Design - N/A

POs met through Topics beyond syllabus/Advanced topics/Design – N/A

Course Outcome (CO) Attainment Assessment tools & Evaluation procedure

Direct Assessment

Assessment Tool	% Contribution during CO Assessment
First Quiz	10
Mid Semester Examination	25
Second Quiz	10
Teacher's Assessment	5
End Semester Examination	50

Indirect Assessment

1. Student's Feedback on Course Outcome.

Mapping of Course Outcomes onto Program Outcomes

Course Outcome	Program Outcomes (POs)												Program Specific Outcomes (PSOs)		
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
CO1	3	3	3	3	3	2	3	3	3	2		3	3	3	2
CO2	3	3	3	3	3	2	3	3	3	2		3	3	3	2
CO3	3	3	3	3	3	2	3	3	3	2		3	3	3	2
CO4	3	3	3	3	3	2	3	3	3	2		3	3	3	2
CO5	3	3	3	3	3	2	3	3	3	2		3	3	3	2

Correlation Levels 1, 2 or 3 as defined below:

- 1: Slight (Low) 2: Moderate (Medium) 3: Substantial (High)

Mapping Between COs and Course Delivery (CD) methods

CD Code	Course Delivery Methods	Course Outcome	Course Delivery Method Used
CD1	Lecture by use of Boards/LCD Projectors	CO1	CD1, CD8
CD2	Tutorials/Assignments	CO2	CD1, CD8
CD3	Seminars	CO3	CD1, CD8
CD4	Mini Projects/Projects	CO4	CD1, CD8
CD5	Laboratory Experiments/Teaching Aids	CO5	CD1, CD8
CD6	Industrial/Guest Lectures		
CD7	Industrial Visits/In-plant Training		
CD8	Self- learning such as use of NPTEL Materials and Internets		
CD9	Simulation		

COURSE INFORMATION SHEET

Course code: HM311
Course title: Advance Food and Beverage Service
Pre-requisite(s): NIL
Co- requisite(s): Advance Food and Beverage Service Practical HM 319
Credits: 3 L:3 T: P:
Class schedule per week: 03
Class: BHMCT
Semester / Level: Sixth / Third
Branch: HMCT
Name of Teacher:

Course Objectives

This course envisions to impart to students to:

1.	Guide through new world wine.
2.	Get the technical know- how of function catering.
3.	Get the technical know- how of afternoon tea and high tea and gueridon service.
4.	Understand the fundamentals of cheese.
5.	Gain an in-depth understanding of tobacco.

Course Outcomes

After the completion of this course, students will be able to:

CO1	Elucidate various types of wine and principal wine regions of new world wine.
CO2	Elucidate various types of tobacco products.
CO3	Explain the concept and operation procedure of function catering and buffet.
CO4	Elucidate the concept and service procedure of gueridon service, afternoon tea and high tea.
CO5	Explain the types, service and storage procedure of cheese.

SYLLABUS

MODULE	(NO. OF LECTURE HOURS)
Module – I New World Wine: Wine of Australia; New Zealand; South Africa; United States of America; Chile; Argentina and India.	8
Module- II Tobacco: History, Production, Processing for cigarettes & cigars, Cigarettes – Types & Brand names, Cigars – Shapes, Sizes, Colours & Brand names, Care & Storage of Cigarettes & Cigars.	8

<p>Module – III</p> <p>Function Catering & Buffet: Introduction, Types – Formal and Informal, Organisation of banquet dept., Duties and responsibilities, Sales and booking procedure, Banquet menu, Space requirement and sitting plan, Misce-en place, Service.</p> <p>Introduction of buffet, Types of buffet (display, sit down, fork, finger, cold and breakfast buffet), Factors to plan buffet, Area requirement, Planning and organization, Menu planning and sequence of food, Equipment, supplies and checklist.</p>	<p>8</p>
<p>Module- IV</p> <p>Afternoon, High Tea & Table Cheese</p> <p>Introduction of afternoon tea & high tea, Menu, Cover & Service of afternoon tea & high tea. Introduction of cheese, Types, Brands & Service, Storage of cheese.</p>	<p>8</p>
<p>Module - V</p> <p>Gueridon Service</p> <p>History and Definition, Advantages and Disadvantages, Types of Gueridon trolley, Gueridon equipment, Common preparations, Flambé dishes, Carving, Salad making etc., Trolley service - Beverages, Starters, Desserts etc.</p>	<p>8</p>

Textbooks:

1. Singaravelavan R. *Food & Beverage Services*, Oxford Publications, 2011
2. Jana A & Srivastava P. *United Colours of Alcohol*, TRIDENT, 2015
3. Sudhir A. *Food & Beverage Service: A Training Manual*, McGraw Hill Education. Second Edition.

Reference books:

1. Lillicrap Dennis R., *Food & Beverage Service*, Hodder Arnold Publication, 2006.
2. Albert W.A. Schmid & Laloganes John P. *The Beverage Manager's Guide to Wines, Beers and Spirits*, Pearson. 2011
3. Prasad, Vara, Krishna R. Gopi, *Food & Beverage: F&B Simplified*, Pearson, 2013.

Gaps in the syllabus (to meet Industry/Profession requirements)- Nil

POs met through Gaps in the Syllabus - N/A

Topics beyond syllabus/Advanced topics/Design – N/A

POs met through Topics beyond syllabus/Advanced topics/Design – N/A

Course Outcome (CO) Attainment Assessment tools & Evaluation procedure

Direct Assessment

Assessment Tool	% Contribution during CO Assessment
First Quiz	10
Mid Semester Examination	25
Second Quiz	10
Teacher's Assessment	5
End Semester Examination	50

Indirect Assessment –

1. Student's Feedback on Course Outcome

Mapping of Course Outcomes onto Program Outcomes

Course Outcome	Program Outcomes (POs)												Program Specific Outcomes (PSOs)		
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
CO1	3	3	2		2	2		2	1	1	2	2	3	3	2
CO2	3	3	2	1	2	2		1		2	2	2	3	3	2
CO3	3	3	2	2	2	3	1	2	2	1	2	2	3	3	2
CO4	3	3	2	2	2	1		2		1	1	2	3	3	2
CO5	3	3	2	2	2	1		2		1	2	2	3	3	2

Correlation Levels 1, 2 or 3 as defined below:

- 1: Slight (Low) 2: Moderate (Medium) 3: Substantial (High)

Mapping Between COs and Course Delivery (CD) methods

CD Code	Course Delivery Methods	Course Outcome	Course Delivery Method Used
CD1	Lecture by use of Boards/LCD Projectors	CO1	CD1, CD8
CD2	Tutorials/Assignments	CO2	CD1, CD8
CD3	Seminars	CO3	CD1, CD8, CD2
CD4	Mini Projects/Projects	CO4	CD1, CD8, CD2
CD5	Laboratory Experiments/Teaching Aids	CO5	CD1, CD8, CD2
CD6	Industrial/Guest Lectures		
CD7	Industrial Visits/In-plant Training		
CD8	Self- learning such as use of NPTEL Materials and Internets		
CD9	Simulation		

COURSE INFORMATION SHEET

Course code: HM312
Course title: Food and Beverage Control
Pre-requisite(s): NIL
Co- requisite(s): NIL
Credits: 3 L: 3 T: P:
Class schedule per week: 03
Class: BHMCT
Semester / Level: Sixth / Third
Branch: HMCT
Name of Teacher:

Course Objectives

This course envisions to impart to students to:

1.	Gain sufficient knowledge to analyse and improve existing food, beverage and labour control systems.
2.	Understand various elements of costs and sales.
3.	Calculate Break Even Point (Value & Volume) and P/V ratio.
4.	Understand the importance of food & beverage control as an integral part of a hospitality operation.
5.	Understand the importance of labour cost control as an integral part of a hospitality operation.

Course Outcomes

After the completion of this course, students will be able to:

CO1	Describe the concept of food and beverage controls as an integral part of a hospitality operation.
CO2	Identify various elements of costs and sales.
CO3	Analyse C/V/P; Break Even Point; P/V Ratio.
CO4	Apply the principles and concepts of food & beverage control system to typical decisions in food and beverage establishments.
CO5	Apply the principles and concept of labour control as an integral part of a hospitality operation

SYLLABUS

MODULE	(NO. OF LECTURE HOURS)
Module – I F&B Control Overview: Introduction, Objectives of F&B Control, Problems in F&B Control, Methodology of F&B Control, Personnel Management in F&B Control.	8
Module- II Cost & Sales Concepts: Definition of Cost, Elements of Cost, Classification of Cost, Sales defined, Ways of expressing sales concepts, Cost/Volume/Profit Relationships (Break-even analysis).	8
Module – III Food Control: Food Purchasing Control, Food Receiving Control, Food Storing and Issuing Control, Food Production Control, Food Cost Control, Food Sales Control, Standard Yield, Standard Portion Sizes, Standard Recipes.	8
Module- IV Beverage Control: Beverage Purchasing Control, Beverage Receiving Control, Beverage Storing and Issuing Control, Beverage Production Control, Beverage Cost Control, Beverage Sales Control.	8
Module - V Labour Control: Labour cost considerations, Types of compensations; Organizational plan, Job analysis, Forecasting and scheduling of Personnel, Standards of Performance, Payroll Analysis.	8

Textbooks:

1. Singaravelavan R. *Food & Beverage Services*, Oxford Publications, 2011.
2. Davis B, Lockwood A, Stone S, Butterworth-Heinemann. *Food & Beverage Management*, Elsevier, 2012.

Reference books:

1. Cousins J, Foskett, D, Gillespie C. *Food and Beverage Management*, Pearson Education India, 2006.
2. Varghese B. *Food & Beverage Service Management*, Macmillan India Limited, 2009.

Gaps in the syllabus (to meet Industry/Profession requirements) - Nil

POs met through Gaps in the Syllabus - N/A

Topics beyond syllabus/Advanced topics/Design - N/A

POs met through Topics beyond syllabus/Advanced topics/Design– N/A

Course Outcome (CO) Attainment Assessment tools & Evaluation procedure

Direct Assessment

Assessment Tool	% Contribution during CO Assessment
First Quiz	10
Mid Semester Examination	25
Second Quiz	10
Teacher’s Assessment	5
End Semester Examination	50

Indirect Assessment

1. Student’s Feedback on Course Outcome.

Mapping of Course Outcomes onto Program Outcomes

Course Outcome	Program Outcomes (POs)												Program Specific Outcomes (PSOs)		
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
CO1	3	3	2	1	3	1	1	2	1	1		2	3	3	2
CO2	3	3	2		3	1	2	3	2			2	3	3	2
CO3	3	3	2		3	2	3	3	2			2	3	3	2
CO4	3	3	2	2	3	3	3	3	2	2	1	2	3	3	2
CO5	3	3	2	2	3	3	3	3	2	2	2	2	3	3	3

Correlation Levels 1, 2 or 3 as defined below:

- 1: Slight (Low) 2: Moderate (Medium) 3: Substantial (High)

Mapping Between COs and Course Delivery (CD) methods

CD Code	Course Delivery Methods	Course Outcome	Course Delivery Method Used
CD1	Lecture by use of Boards/LCD Projectors	CO1	CD1, CD8
CD2	Tutorials/Assignments	CO2	CD1, CD8
CD3	Seminars	CO3	CD1, CD8
CD4	Mini Projects/Projects	CO4	CD1, CD2, CD8
CD5	Laboratory Experiments/Teaching Aids	CO5	CD1, CD2, CD8
CD6	Industrial/Guest Lectures		
CD7	Industrial Visits/In-plant Training		
CD8	Self- learning such as use of NPTEL Materials and Internets		
CD9	Simulation		

COURSE INFORMATION SHEET

Course code: HM 313
Course title: Front Office Management – I
Pre-requisite(s): NIL
Co- requisite(s): Front Office Management – II HM 314
Front Office Management Practical HM 320
Credits: 3 L: 3 T: P:
Class schedule per week: 03
Class: BHMCT
Semester / Level: Sixth / Third
Branch: HMCT
Name of Teacher:

Course Objectives

This course envisions to impart to students to:

1.	Understand the security function
2.	Explain the operational reports of a hotel.
3.	Explain the process of developing Front office department's budget.
4.	Understand the process of data generation in Hotel Industry.
5.	Understand the process of human resource recruitment.

Course Outcomes

After the completion of this course, students will be able to:

CO1	Develop security function for a hotel for protection of funds.
CO2	Evaluate various operational report of a hotel.
CO3	Design the budget of a hotel front office department.
CO4	Rearrange the data for revenue generation and report formation in front office.
CO5	Create the human resource recruitment process for a hotel.

SYLLABUS

MODULE	(NO. OF LECTURE HOURS)
<p>Module – I</p> <p>Front Office Security Functions : Role of Front Office in Hotel Security, check in: use of metal detectors, validations, scanty baggage handling, Keys control: ELS (Electronic Cards), Handling Grand Master / Master key, lost & found & damaged keys, use of key cards, Guest & staff movement & access control, Protection of funds, safe deposit boxes.</p>	8
<p>Module- II</p> <p>Planning and Evaluating Operations: Evaluating Front Office Operations – Daily operation report, occupancy ratios, room revenue analysis, Hotel income statement, room division income statement, rooms division budget report, Operating ratio, Ratio Standard</p>	8
<p>Module – III</p> <p>Budgeting: Definition, kind of budget, advantage of budget control, limitation of budget, Operating expense budget, Cost of sale budget, Selling and distribution cost budget, Labour cost budget, Overhead cost budget, front office budget.</p>	8
<p>Module- IV</p> <p>Management of Data Generating Front office subsystems : Overview of front office data subsystem, Management of interfaced subsystem – telephone, recordable locks, pay per view service, in room vending Management of non-interfaced subsystems – telephone, internet access, pay per view, in room vending, guest laundry.</p>	8
<p>Module - V</p> <p>Managing Human Resource: Recruiting: Internal recruitment, External Recruitment. Selecting: Selection Tool, Evaluating Applicants. Interviewing. Hiring: Job Offer, Processing personnel records, Orientation, Skill Training, Staff Motivation: Training, Cross-Training, Recognition, Incentive program, performance appraisals.</p>	8

Textbooks:

1. Kasavana & Brooks, *Managing Front Office Operations*, AHL&A, 2001
2. S.K. Bhatnagar, *Front Office Management*, Frank Bros. & Co. , 2006
3. Robert H Woods, Jack D Ninemeier, *Professional Front office Management*, Pearson, 2006.

Reference Books:

1. Colin Dix & Chirs Baird, *Front office operations*, Pearson, 2006
2. James Bardi, *Hotel Front office management*, John Wiley & Sons, 2011

Gaps in the syllabus (to meet Industry/Profession requirements) - Nil

POs met through Gaps in the Syllabus - N/A

Topics beyond syllabus/Advanced topics/Design - N/A

POs met through Topics beyond syllabus/Advanced topics/Design – N/A

Course Outcome (CO) Attainment Assessment tools & Evaluation procedure

Direct Assessment

Assessment Tool	% Contribution during CO Assessment
First Quiz	10
Mid Semester Examination	25
Second Quiz	10
Teacher's Assessment	5
End Semester Examination	50

Indirect Assessment

1. Student's Feedback on Course Outcome.

Mapping of Course Outcomes onto Program Outcomes

Course Outcome	Program Outcomes (POs)												Program Specific Outcomes (PSOs)		
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
CO1	2	3	2	3	1	1		1	2	2	1	2	2	2	1
CO2	2	1	2	1	1	2	1	2		1	1	2	2	2	1
CO3	1	2	3	1	3	1	3	2		1		3	2	1	1
CO4	1	2	3	1	3	1	3	2		1		3	2	1	1
CO5	1	2	2	1	2	2	1	2	1	3	3	2	1	2	2

Correlation Levels 1, 2 or 3 as defined below :

- 1: Slight (Low) 2: Moderate (Medium) 3: Substantial (High)

Mapping Between COs and Course Delivery (CD) methods

CD Code	Course Delivery Methods	Course Outcome	Course Delivery Method Used
CD1	Lecture by use of Boards/LCD Projectors	CO1	CD1, CD8
CD2	Tutorials/Assignments	CO2	CD1, CD8
CD3	Seminars	CO3	CD1, CD8
CD4	Mini Projects/Projects	CO4	CD1, CD8
CD5	Laboratory Experiments/Teaching Aids	CO5	CD1, CD8, CD2
CD6	Industrial/Guest Lectures		
CD7	Industrial Visits/In-plant Training		
CD8	Self- learning such as use of NPTEL Materials and Internets		
CD9	Simulation		

COURSE INFORMATION SHEET

Course code: HM 314
Course title: Front Office Management - II
Pre-requisite(s): NIL
Co- requisite(s): Front Office Management – I HM 313
Front Office Management Practical HM 320
Credits: 3 L: 3 T: 0 P: 0
Class schedule per week: 03
Class: BHMCT
Semester / Level: Sixth /Third
Branch: HMCT
Name of Teacher:

Course Objectives

This course enables the students:

1.	Explain the check-out and settlement procedures.
2.	Understand basic hotel accounting procedures ranging from posting accounts to conducting cash and check transactions at the front desk
3.	Explain the process of Audit in Hotel.
4.	Understand procedures for handling complaints.
5.	Understand the credit policy of a Hotel.

Course Outcomes

After the completion of this course, students will be able to:

CO1	Illustrate the steps involved in check out and settlement process of a hotel guest.
CO2	Understand the importance of cash handling and credit control.
CO3	Perform the front office audit.
CO4	Handle the common complaints of guest arising in the hotel.
CO5	Explain policies and procedures needed to establish and monitor guest credit limits.

SYLLABUS

MODULE	(NO. OF LECTURE HOURS)
<p>Module – I</p> <p>Front Office cash / Checkout and Settlement : Role of the Front desk cashier, Importance of front office cash, Duties and responsibilities of front desk cashier, Check out Process -Checkout and account settlement – cash, credit card, personal checks, Direct billing, credit etc., Checkout options, Unpaid account balances.</p>	8
<p>Module- II</p> <p>Front Office Accounting: Accounting fundamentals, Hotel credit management (including credit cards), foreign currency awareness and handling procedures, the guest folio, tracking transactions account allowance, Internal control - Transcript, cash sheet, cash banks. Front office record – Guest History.</p>	8
<p>Module – III</p> <p>The Front office audit: Role of Front Office Auditor, establishing end of the day, Audit posting formula, Daily and supplemental transcript. Function of audit process – Complete outstanding postings, reconcile room status discrepancies, balance all departmental accounts, verify room rate & No-show reservations, post room rate and taxes, prepare report, distribute report.</p>	8
<p>Module- IV</p> <p>Guest complaint handling / Problem solving: Process, thumb rules, Common complaints / problems / situations handling, Role of emotions in situation handling.</p>	8
<p>Module - V</p> <p>Credit Control: Meaning, objective, hotel credit policy regarding guaranteed bookings/corporate account holders. Credit card users, Control measures at the time of: reservation, check-in, during stay, checkout, after departure, Prevention of Skippers: on arrival/during stay/on departure day.</p>	8

Text books:

1. Kasavana & Brooks, *Managing Front Office Operations*, AHL&A, 2001
2. S.K. Bhatnagar, *Front Office Management*, Frank Bros. & Co. , 2006
3. Woods, *Professional Front Office Management*, Pearson, 2013.

Reference books:

1. Colin Dix & Chirs Baird, *Front office operations*, Pearson, 2006
2. James Bardi, *Hotel Front office management*, John Wiley & Sons, 2011

Gaps in the syllabus (to meet Industry/Profession requirements) - Nil

POs met through Gaps in the Syllabus - N/A

Topics beyond syllabus/Advanced topics/Design - N/A

POs met through Topics beyond syllabus/Advanced topics/Design – N/A

Course Outcome (CO) Attainment Assessment tools & Evaluation procedure

Direct Assessment

Assessment Tool	% Contribution during CO Assessment
First Quiz	10
Mid Semester Examination	25
Second Quiz	10
Teacher’s Assessment	5
End Semester Examination	50

Indirect Assessment

1. Student’s Feedback on Course Outcome.

Mapping of Course Outcomes onto Program Outcomes

Course Outcome	Program Outcomes (POs)												Program Specific Outcomes (PSOs)		
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
CO1	2	3	1	1	2	2	1			1		1	1	3	2
CO2	2	2	1		2		3	2	1	1		2	2	1	1
CO3	2	2	1		2		3	2	1	1		2	1	2	2
CO4	2	2	3		2	2		1		1	2	2	2	3	1
CO5	2	2	1		2		3	2	1	1		2	1	3	1

Correlation Levels 1, 2 or 3 as defined below:

- 1: Slight (Low) 2: Moderate (Medium) 3: Substantial (High)

Mapping Between COs and Course Delivery (CD) methods

CD Code	Course Delivery Methods	Course Outcome	Course Delivery Method Used
CD1	Lecture by use of Boards/LCD Projectors	CO1	CD1, CD8
CD2	Tutorials/Assignments	CO2	CD1, CD8
CD3	Seminars	CO3	CD1, CD8
CD4	Mini Projects/Projects	CO4	CD1, CD8
CD5	Laboratory Experiments/Teaching Aids	CO5	CD1, CD8, CD2
CD6	Industrial/Guest Lectures		
CD7	Industrial Visits/In-plant Training		
CD8	Self- learning such as use of NPTEL Materials and Internets		
CD9	Simulation		

COURSE INFORMATION SHEET

Course code: HM 315
Course title: Accommodation Management -I
Pre-requisite(s): NIL
Co- requisite(s): Accommodation Management-II HM 316
Accommodation Management Practical HM 321
Credits: 3 L: 3 T: P:
Class schedule per week: 03
Class: BHMCT
Semester / Level: Sixth / Third
Branch: HMCT
Name of Teacher:

Course Objectives

This course envisions to impart to students to:

1.	Develop knowledge and skill of making flower arrangement.
2.	Apply the concept and art of interior design for guestrooms.
3.	Understand the importance and apply various elements of interior decorations.
4.	Develop planning and operational process of housekeeping department.
5.	Understand the concept of contract cleaning, its type and various methods of pricing.

Course Outcomes

After the completion of this course, students will be able to:

CO1	Create various types of flower arrangement.
CO2	Conceptualize the art of interior design for the guestrooms.
CO3	Combine and apply various elements of interior decoration for guestrooms.
CO4	Explain planning and operational process of housekeeping department.
CO5	Apply the concept of contract cleaning and pricing of contract.

SYLLABUS

MODULE	(NO.OF LECTURE HOURS)
Module – I Flower arrangement: Introduction, importance & use in hotels. Basic ingredients: mechanics, equipment, containers, plant material, bases. Care and conditioning of flowers, guidelines for flower arrangement. Principles of flower arrangement, elements of flower arrangement Types of flower arrangement based on angle, space, type of plant material, on effect of the arrangement.	8
Module – II Interior design: Importance, definition, types, objective. Principle of design: Harmony, Rhythm, Balance, Proportion, Emphasis Element of design: Line, Form, Colour, texture. Designing guest rooms for the physically challenged. Planning trends in Hotels.	8
Module – III Interior Decoration: Concept and importance, Colour: dimension, warm & cool colour, advance & receding colour, colour wheel, colour scheme, Planning colour scheme. Lighting: Importance, Types, methods & lighting plans. Floor covering, selection, types, characteristics, Wall coverings.	8
Module – IV Planning housekeeping operation: Introduction, Planning process Division of work document, Area inventory list, Frequency scheduling, Performance standards, Productivity standard, Equipment & operating supply inventory level.	8
Module – V Contract cleaning: Definition, Importance, Situation for deciding contract services, Contract services in H.K., Types of contract, Guidelines of hiring contract services, contract specification, Pricing contract. Advantage & disadvantages of contract cleaning services.	8

Textbooks:

1. S. Andrews, *Hotel Housekeeping Management & Operation*. New Delhi: Tata McGraw Hill, 2008.
2. G. Raghubalan and S. Raghubalan, *Hotel Housekeeping Operation and Management*. 3rd ed, New Delhi: Oxford university press, 2014.
3. S.K. Kaushal and S.N. Kaushal, *Accommodation Operation and Management*. 1st ed, New Delhi: Frank Bros. & Co, 2006.

Reference books:

1. M. Schneider and G. Tucker, *The Professional Housekeeper. 4th ed.*, New York: John Wiley, 1999.
2. Thomas J. A. Jones, *Professional Management of Housekeeping operations. 5th ed.*, New York: John Wiley, 2010.
3. Joan C. Branson and M. Lennox, *Hotel, Hostel & Hospital Housekeeping. 5th ed.*, London: Hodder Arnold, 1988.
4. M. Kappa and A. Nitschke, *Managing House Keeping Operation. 3rd ed.*, Lansing Mich: American Hotel and Lodging, Educational Institute, 2008.

Gaps in the syllabus (to meet Industry/Profession requirements) - Nil

POs met through Gaps in the Syllabus - N/A

Topics beyond syllabus/Advanced topics/Design - N/A

POs met through Topics beyond syllabus/Advanced topics/Design – N/A

Course Outcome (CO) Attainment Assessment tools & Evaluation procedure

Direct Assessment

Assessment Tool	% Contribution during CO Assessment
First Quiz	10
Mid Semester Examination	25
Second Quiz	10
Teacher’s Assessment	5
End Semester Examination	50

Indirect Assessment –

1. Student’s Feedback on Course Outcome

Mapping of Course Outcomes onto Program Outcomes

Course Outcome	Program Outcomes (POs)												Program Specific Outcomes (PSOs)		
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
CO1	3	3	3	3	3	1	2	2	2	2	2	2	1	2	2
CO2	3	3	3	2	3	1	2	3	3	3	3	3	3	2	3
CO3	3	3	3	2	3	2	2	3	3	3	3	3	3	2	3
CO4	3	3	3	2	3	2	2	2	1	2	2	3	3	3	3
CO5	3	3	3	2	3	2	3	3	2	3	1	2	3	2	3

Correlation Levels 1,2 or 3 as defined below:

1: Slight (Low)

2: Moderate (Medium)

3: Substantial (High)

Mapping Between COs and Course Delivery (CD) methods

CD Code	Course Delivery methods	Course Outcome	Course Delivery Method Used
CD1	Lecture by use of boards/LCD projectors/OHP projectors	CO1	CD1, CD8
CD2	Tutorials/Assignments	CO2	CD1, CD8
CD3	Seminars	CO3	CD1, CD8
CD4	Mini projects/Projects	CO4	CD1, CD8
CD5	Laboratory experiments/teaching aids	CO5	CD1, CD8
CD6	Industrial/guest lectures		
CD7	Industrial visits/in-plant training		
CD8	Self- learning such as use of NPTEL materials and internets		
CD9	Simulation		

COURSE INFORMATION SHEET

Course code: HM 316
Course title: Accommodation Management -II
Pre-requisite(s): NIL
Co- requisite(s): Accommodation Management-I HM 315
Accommodation Management Practical HM 321
Credits: 3 L: 3 T: P:
Class schedule per week: 03
Class: BHMCT
Semester / Level: Sixth / Third
Branch: HMCT
Name of Teacher:

Course Objectives

This course envisions to impart to students to:

1.	Classify various types of Pests found in hotels and measures to eradicate them.
2.	Explain the concept of Ecotel and know the criteria of its certification.
3.	Apply the concept of ergonomics and its application in housekeeping.
4.	Understand about the importance of housekeeping safety programme and actions to be taken in the event of accident, fire and other issues.
5.	Create awareness about security issues of the hotel guests and employees and develop security management programme.

Course Outcomes

After the completion of this course, students will be able to:

CO1	Explain about various types of pests and take appropriate actions to eradicate them.
CO2	Conceptualize the concept of Ecotel and criteria of its certification.
CO3	Interpret the meaning of ergonomics and its application in housekeeping.
CO4	Develop safety awareness programme in the hotels.
CO5	Explain various security issues related to guests and employee and ways to prevent them.

SYLLABUS

MODULE	(NO.OF LECTURE HOURS)
<p>Module – I</p> <p>Pest control: Importance, definition of pest, Types of Pests, Pest control goals. Common pests and their control, integrated pest management, Methods of pest control: natural, applied, biological, mechanical/physical, Waste disposal.</p>	8
<p>Module – II</p> <p>Ecotel: Introduction, ecotel certification and its criteria, green building concept and its merits.</p> <p>Energy conservation: Introduction, energy monitoring and tips for conservation.</p> <p>Water conservation: Concept, tips for conservation.</p> <p>Waste management: Reuse and recycle</p> <p>Environment friendly housekeeping</p>	8
<p>Module – III</p> <p>Ergonomics in Housekeeping: Introduction, Meaning, Principles, Ergonomics in Hotel housekeeping, Significance & need of ergonomics, Analysis of Risk factor in housekeeping: Ergonomics perspective, Mitigation of Risks in Housekeeping by applying ergonomics principles, Modifying the workplace layout and equipment, modifying way of lifting, modifying personal habits, controlling the work environment, redesigning work practice</p>	8
<p>Module – IV</p> <p>Housekeeping Safety: Introduction, Three E's of safety, Safety management programme. Safety awareness & accident prevention, Basic guidelines for prevention of accident, procedure followed in case of accident.</p> <p>Fire prevention and firefighting: Classification, Fire warning system, Firefighting equipment, fire emergency.</p> <p>First aid: Principles of first aid, first aid box, first aid procedure, first aid for common situation.</p>	8
<p>Module – V</p> <p>Hotel security: Introduction to hotel security, Keys: Importance, types of keys and their control. Lost and found article, dealing with emergencies, crime prevention, Dealing with bomb threats, Terrorism- steps & prevention. Guest & Employee theft.</p>	8

Textbooks:

1. S. Andrews, *Hotel Housekeeping Management & Operation*. New Delhi: Tata McGraw Hill, 2008.
2. G. Raghubalan and S.Raghubalan, *Hotel Housekeeping Operation and Management*. 3rd ed, New Delhi: Oxford university press, 2014.
3. S.K. Kaushal and S.N. Kaushal, *Accommodation Operation and Management*. 1st ed, New Delhi: Frank Bros. & Co, 2006.

Reference books:

1. M. Schneider and G. Tucker, *The Professional Housekeeper*. 4th ed., New York: John Wiley, 1999.
2. Thomas J. A. Jones, *Professional Management of Housekeeping operations*. 5th ed., New York: John Wiley, 2010.
3. Joan C. Branson and M. Lennox, *Hotel, Hostel & Hospital Housekeeping*. 5th ed, London: Hodder Arnold, 1988.
4. M. Kappa and A.Nitschke, *Managing House Keeping Operation*.3rd ed, Lansing Mich: American Hotel and Lodging, Educational Institute, 2008.

Gaps in the syllabus (to meet Industry/Profession requirements) - Nil

POs met through Gaps in the Syllabus - N/A

Topics beyond syllabus/Advanced topics/Design - N/A

POs met through Topics beyond syllabus/Advanced topics/Design – N/A

Course Outcome (CO) Attainment Assessment tools & Evaluation procedure

Direct Assessment

Assessment Tool	% Contribution during CO Assessment
First Quiz	10
Mid Semester Examination	25
Second Quiz	10
Teacher's Assessment	5
End Semester Examination	50

Indirect Assessment –

1. Student's Feedback on Course Outcome

Mapping of Course Outcomes onto Program Outcomes

Course Outcome	Program Outcomes (POs)												Program Specific Outcomes (PSOs)		
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
CO1	3	3	3	2	1	1	2	3	3	2	3	3	2	3	1
CO2	3	3	3	1	3	1	3	2	2	2	2	3	3	2	3
CO3	3	3	3	2	2	3	2	2	3	2	3	3	3	3	3
CO4	3	3	3	3	2	3	2	3	3	3	2	3	3	3	3
CO5	3	3	2	2	3	3	1	3	3	3	3	3	3	3	3

Correlation Levels 1,2 or 3 as defined below:

1: Slight (Low) 2: Moderate (Medium) 3: Substantial (High)

Mapping Between COs and Course Delivery (CD) methods

CD Code	Course Delivery methods	Course Outcome	Course Delivery Method Used
CD1	Lecture by use of boards/LCD projectors/OHP projectors	CO1	CD1, CD8
CD2	Tutorials/Assignments	CO2	CD1, CD8
CD3	Seminars	CO3	CD1, CD8
CD4	Mini projects/Projects	CO4	CD1, CD8
CD5	Laboratory experiments/teaching aids	CO5	CD1, CD8
CD6	Industrial/guest lectures		
CD7	Industrial visits/in-plant training		
CD8	Self- learning such as use of NPTEL materials and internets		
CD9	Simulation		

COURSE INFORMATION SHEET

Course code: HM 317
Course title: Personality Development Lab
Pre-requisite(s): NIL
Co- requisite(s): NIL
Credits: 1.5 L: T: P: 3
Class schedule per week: 03
Class: BHMCT
Semester / Level: Sixth /Third
Branch: HMCT
Name of Teacher:

Course Objectives

This course envisions to impart to students to:

1.	Understand the component of Personality Development.
2.	Explain types of personality.
3.	Understand the do's and don'ts of group discussion and interviews.
4.	Explain the preparation of resume.
5.	Understand the types of Job interviews.

Course Outcomes

After the completion of this course, students will be able to:

CO1	Understand the importance of Personality Development.
CO2	Explain various personality types.
CO3	Explain the components of successful Group Discussion.
CO4	Develop a Resume.
CO5	Understand the Behavioural requirement in Job Interviews.

SYLLABUS

MODULE	(NO. OF PRACTICAL HOURS)
Module – I Personality Enrichment Importance of Grooming and Personal Hygiene. Social and Business Dining Etiquettes.	6
Module- II Personality Development Strategies Importance of Communication Skill Public Speaking and Extempore Personality Types	9
Module – III Group Discussion Group Discussion Dos and Don'ts Group Discussion Situations Group Discussion	9
Module- IV Resume Understanding Resume Several types of Resume	6
Module - V Job Interview Job Interview – Dos and Don'ts Mock Session of Job Interview	6

Textbooks:

1. Barun K Mitra, *Personality Development and Soft Skill*, Oxford Publication, 2011.

Reference Books:

1. Rajiv K Mishra, *Personality development: Transform Yourself*, Rupa Publication, 2004

Gaps in the syllabus (to meet Industry/Profession requirements) - Nil

POs met through Gaps in the Syllabus - N/A

Topics beyond syllabus/Advanced topics/Design - N/A

POs met through Topics beyond syllabus/Advanced topics/Design – N/A

Course Outcome (CO) Attainment Assessment tools & Evaluation procedure

Direct Assessment

Assessment Tool	% Contribution during CO Assessment
Progressive Evaluation	60
End Sem. Evaluation	40

Indirect Assessment

1. Student's Feedback on Course Outcome.

Mapping of Course Outcomes onto Program Outcomes

Course Outcome	Program Outcomes (POs)												Program Specific Outcomes (PSOs)		
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
CO1	2	3	2	1	1	2		1		1	1	2	1	1	
CO2	1	1	2		1	3		1	1	2	1	2		2	1
CO3					1	3		2		2	3	1			2
CO4		1	2		1	3		1		1					
CO5	1	3	2		2	3		3	1	2	1	2	1		

Correlation Levels 1, 2 or 3 as defined below:

- 1: Slight (Low) 2: Moderate (Medium) 3: Substantial (High)

Mapping Between COs and Course Delivery (CD) methods

CD Code	Course Delivery Methods	Course Outcome	Course Delivery Method Used
CD1	Lecture by use of Boards/LCD Projectors	CO1	CD5, CD8
CD2	Tutorials/Assignments	CO2	CD5, CD8
CD3	Seminars	CO3	CD5, CD8, CD9
CD4	Mini Projects/Projects	CO4	CD5, CD8
CD5	Laboratory Experiments/Teaching Aids	CO5	CD5, CD8, CD9
CD6	Industrial/Guest Lectures		
CD7	Industrial Visits/In-plant Training		
CD8	Self- learning such as use of NPTEL Materials and Internets		
CD9	Simulation		

COURSE INFORMATION SHEET

Course code: HM 318
Course title: Advance Indian Cuisine Practical
Pre-requisite(s):
Co- requisite(s): Advance Indian Cuisine HM 309
Credits: 1.5 Cr. L: 0 T: 0 P: 3
Class schedule per week: 3
Class: BHMCT
Semester / Level: Sixth/Third
Branch: HMCT
Name of Teacher:

Course Objectives

This course envisions to impart to students to:

1.	Understand North Indian cooking and preparations.
2.	Understand South Indian cooking and preparations.
3.	Understand East Indian cooking and preparations.
4.	Understand West Indian cooking and preparations.
5.	Understand Central Indian cooking and preparations.

Course Outcomes

After the completion of this course, students will be able to:

CO1	Prepare the North Indian cuisine on its merit.
CO2	Prepare the South Indian cuisine on its merit
CO3	Prepare the East Indian cuisine on its merit
CO4	Prepare the West Indian cuisine on its merit
CO5	Prepare the Central Indian cuisine on its merit

SYLLABUS

MODULE	(NO. OF PRACTICAL HOURS)
Module – I North Indian Cuisines Staple food with regional influence, regional cooking style, methods of cooking, menu preparation of North Indian Cuisines	9
Module- II South Indian Cuisines Staple food with regional influence, regional cooking style, methods of cooking, menu preparation of South Indian Cuisines	6
Module – III East Indian Cuisines Staple food with regional influence, regional cooking style, methods of cooking, menu preparation of East Indian Cuisines	6
Module- IV West Indian Cuisines Staple food with regional influence, regional cooking style, methods of cooking, menu preparation of West Indian Cuisines	9
Module - V Central Indian Cuisines Staple food with regional influence, regional cooking style, methods of cooking, menu preparation of Central Indian Cuisines	6

Textbooks:

1. Dubey *The Indian Cuisine*, PHI, 2013
2. P. S. Bali, *Quantity Food Production Operations and Indian Cuisine*, Oxford University Press, New Delhi, 2012

Reference Book:

1. M. Baljekar, *The complete Indian Cookbook*, Om books, 2008
2. J Kalra and P. D. Gupta, *Prasad: Cookery with Indian masters*, Allied Publishers, 2016
3. Madhur Jaffrey, *A Taste of India*, Wiley, 1988

Gaps in the syllabus (to meet Industry/Profession requirements) - Nil

POs met through Gaps in the Syllabus - N/A

Topics beyond syllabus/Advanced topics/Design - N/A

POs met through Topics beyond syllabus/Advanced topics/Design – N/A

Course Outcome (CO) Attainment Assessment tools & Evaluation procedure

Direct Assessment

Assessment Tool	% Contribution during CO Assessment
Progressive Evaluation	60
End Sem. Evaluation	40

Indirect Assessment

1. Student's Feedback on Course Outcome.

Mapping of Course Outcomes onto Program Outcomes

Course Outcome	Program Outcomes (POs)												Program Specific Outcomes (PSOs)		
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
CO1	3	3	3	2	2	2		3	2	2	3	3	3	3	2
CO2	3	3	3	2	2	2		3	2	2	3	3	3	3	2
CO3	3	3	3	2	2	2		3	2	2	3	3	3	3	2
CO4	3	3	3	2	2	2		3	2	2	3	3	3	3	2
CO5	3	3	3	2	2	2		3	2	2	3	3	3	3	2

Correlation Levels 1, 2 or 3 as defined below:

- 1: Slight (Low) 2: Moderate (Medium) 3: Substantial (High)

Mapping Between COs and Course Delivery (CD) methods

CD Code	Course Delivery Methods	Course Outcome	Course Delivery Method Used
CD1	Lecture by use of Boards/LCD Projectors	CO1	CD5, CD8
CD2	Tutorials/Assignments	CO2	CD5, CD8
CD3	Seminars	CO3	CD5, CD8
CD4	Mini Projects/Projects	CO4	CD5, CD8
CD5	Laboratory Experiments/Teaching Aids	CO5	CD5, CD8
CD6	Industrial/Guest Lectures		
CD7	Industrial Visits/In-plant Training		
CD8	Self- learning such as use of NPTEL Materials and Internets		
CD9	Simulation		

COURSE INFORMATION SHEET

Course code: HM319
Course title: Advance Food and Beverage Service Practical
Pre-requisite(s): NIL
Co-requisite(s): Advance Food & Beverage Service HM311
Credits: 1.5 L: T: P: 3
Class schedule per week: 03
Class: BHMCT
Semester / Level: Sixth / Third
Branch: HMCT
Name of Teacher:

Course Objectives

This course envisions to impart to students to:

1.	Learn the service skill of cigar and cigarette.
2.	Get the technical know-how of gueridon service.
3.	Learn the skill of serving afternoon tea, high tea and cheese.
4.	Get the technical know-how of function catering and understand function catering operation.
5.	Carry out service in bulk catering assignments.

Course Outcomes

After the completion of this course, students will be able to able to:

CO1	Demonstrate the ability to present and serve cigar and cigarette.
CO2	Demonstrate skill to prepare and present the dishes that are served from the guéridon trolley.
CO3	Demonstrate the ability to serve afternoon tea, high tea and cheese.
CO4	Demonstrate practical ability in the layout of buffet, banquet booking, filling banquet form and to do banquet service.
CO5	Demonstrate the service skills necessary to undertake Continental & Oriental theme parties and food festivals.

SYLLABUS

MODULE	(NO. OF PRACTICAL HOURS)
Module – I Service of Cigar and Cigarette.	3
Module- II Gueridon service – Basic preparation, classical dishes.	6
Module – III Service of Afternoon, High tea & Service of cheese.	6
Module- IV Buffet Layup, theme Buffets set up Taking Banquet Booking Filling - Banquet F.F. Formal Banquet Service	6
Module - V Continental & Oriental theme party and food festivals.	12

Textbooks:

1. Jana A & Srivastava P. *United Colours of Alcohol*, TRIDENT, 2015
2. Singaravelavan R. *Food & Beverage Services*, Oxford Publications, 2011.

Reference books:

1. Sudhir A. *Food & Beverage Service: A Training Manual*, McGraw Hill Education. Second Edition.
2. Lillicrap Dennis R., *Food & Beverage Service*, Hodder Arnold Publication, 2006.
3. John F. *Modern Restaurant Service*, Nelson Thornes Ltd, 1990.
4. Jones P. *Food Service Operations*, Cengage Learning, 1988.

Gaps in the syllabus (to meet Industry/Profession requirements) - Nil

POs met through Gaps in the Syllabus - N/A

Topics beyond syllabus/Advanced topics/Design - N/A

POs met through Topics beyond syllabus/Advanced topics/Design – N/A

Course Outcome (CO) Attainment Assessment tools & Evaluation procedure

Direct Assessment

Assessment Tool	% Contribution during CO Assessment
Progressive Evaluation	60
End Sem. Evaluation	40

Indirect Assessment

1. Student's Feedback on Course Outcome.

Mapping of Course Outcomes onto Program Outcomes

Course Outcome	Program Outcomes (POs)												Program Specific Outcomes (PSOs)		
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
CO1	3	3	2	1	2	3		1		2	1	3	3	3	2
CO2	3	3	2	2	2	3		1		1	2	3	3	3	1
CO3	3	3	2	2	2	3		1		1	2	3	3	3	1
CO4	3	3	3	3	3	3	2	3	2	2	2	3	3	3	2
CO5	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3

Correlation Levels 1, 2 or 3 as defined below:

- 1: Slight (Low) 2: Moderate (Medium) 3: Substantial (High)

Mapping Between COs and Course Delivery (CD) methods

CD Code	Course Delivery Methods	Course Outcome	Course Delivery Method Used
CD1	Lecture by use of Boards/LCD Projectors	CO1	CD5, CD8
CD2	Tutorials/Assignments	CO2	CD5, CD8
CD3	Seminars	CO3	CD5, CD8
CD4	Mini Projects/Projects	CO4	CD5, CD8, CD9
CD5	Laboratory Experiments/Teaching Aids	CO5	CD4, CD5, CD8
CD6	Industrial/Guest Lectures		
CD7	Industrial Visits/In-plant Training		
CD8	Self- learning such as use of NPTEL Materials and Internets		
CD9	Simulation		

COURSE INFORMATION SHEET

Course code: HM 320
Course title: Front Office Management Practical
Pre-requisite(s) NIL
Co- requisite(s) Front Office Management – I HM 313
Front Office Management - II HM 314
Credits: 1.5 L: T: P: 3
Class schedule per week: 03
Class: BHMCT
Semester / Level: Sixth /Third
Branch: HMCT
Name of Teacher:

Course Objectives

This course envisions to impart to students to:

1.	Explain the check-out and settlement procedures.
2.	Understand basic hotel accounting procedures ranging from posting accounts to conducting cash and check transactions at the front desk
3.	Explain the process of Audit in Hotel.
4.	Understand procedures for handling complaints.
5.	Understand the credit policy of a Hotel.

Course Outcomes

After the completion of this course, students will be able to:

CO1	Illustrate the steps involved in check out and settlement process of a hotel guest.
CO2	Understand the importance of cash handling and credit control.
CO3	Perform the front office audit.
CO4	Handle the common complaints of guest arising in the hotel.
CO5	Explain policies and procedures needed to establish and monitor guest credit limits.

SYLLABUS

MODULE	(NO. OF PRACTICAL HOURS)
Module – I Front Office cash / Checkout and Settlement: Role play of guest Check-out.	3
Module- II Front Office Accounting: Preparation of guest folio. Filling up, accounting and totalling guest folios - Semi automated. Filling up, accounting and totalling guest folios - Fully Automated Calculating various occupancy percentages Making of discount grid	15
Module – III The Front office audit: Preparing and filling up of forms and format related to Front Office Audit. Computer application of cashiering, night audit and front office accounting. Preparation of transcript and night auditor's sales.	9
Module- IV Guest complaint handling / Problem solving: Role play of handling Guest complaints handling.	3
Module - V Credit Control: Role play of control measures during Check-in Role play of prevention of skipper	6

Textbooks:

1. Kasavana & Brooks, *Managing Front Office Operations*, AHL&A, 2001
2. S.K. Bhatnagar, *Front Office Management*, Frank Bros. & Co. , 2006

Reference books:

1. Colin Dix & Chirs Baird, *Front office operations*, Pearson, 2006
2. James Bardi, *Hotel Front office management*, John Wiley & Sons, 2011

Gaps in the syllabus (to meet Industry/Profession requirements) - Nil

POs met through Gaps in the Syllabus - N/A

Topics beyond syllabus/Advanced topics/Design - N/A

POs met through Topics beyond syllabus/Advanced topics/Design – N/A

Course Outcome (CO) Attainment Assessment tools & Evaluation procedure

Direct Assessment

Assessment Tool	% Contribution during CO Assessment
Progressive Evaluation	60
End Sem. Evaluation	40

Indirect Assessment

1. Student's Feedback on Course Outcome.

Mapping of Course Outcomes onto Program Outcomes

Course Outcome	Program Outcomes (POs)												Program Specific Outcomes (PSOs)		
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
CO1	2	3	1	1	2	2	1			1		1	1	3	2
CO2	2	2	1		2		3	2	1	1		2	2	1	1
CO3	2	2	1		2		3	2	1	1		2	1	2	2
CO4	2	2	3		2	2		1		1	2	2	2	3	1
CO5	2	2	1		2		3	2	1	1		2	1	3	1

Correlation Levels 1, 2 or 3 as defined below:

- 1: Slight (Low) 2: Moderate (Medium) 3: Substantial (High)

Mapping Between COs and Course Delivery (CD) methods

CD Code	Course Delivery Methods	Course Outcome	Course Delivery Method Used
CD1	Lecture by use of Boards/LCD Projectors	CO1	CD5, CD8, CD9
CD2	Tutorials/Assignments	CO2	CD5, CD8
CD3	Seminars	CO3	CD5, CD8
CD4	Mini Projects/Projects	CO4	CD5, CD8, CD9
CD5	Laboratory Experiments/Teaching Aids	CO5	CD5, CD8, CD9
CD6	Industrial/Guest Lectures		
CD7	Industrial Visits/In-plant Training		
CD8	Self- learning such as use of NPTEL Materials and Internets		
CD9	Simulation		

COURSE INFORMATION SHEET

Course code: HM 321
Course title: Accommodation Management Practical
Pre-requisite(s): NIL
Co- requisite(s): Accommodation Management -I HM 315
Accommodation Management -II HM 316
Credits: 1.5 L: T: P: 3
Class schedule per week: 03
Class: BHMCT
Semester / Level: Sixth / Third
Branch: HMCT
Name of Teacher:

Course Objectives

This course envisions to impart to students to:

1.	Identify tools and equipment, and its application in various types of flower arrangement.
2.	Develop three-dimensional structure of rooms.
3.	Explain and develop area inventory list.
4.	Develop contract specification and pricing a contract.
5.	Design theme decoration.

Course Outcomes

After the completion of this course, students will be able to:

CO1	Identify tools and equipment and create various types of flower arrangement.
CO2	Design three-dimensional structure of rooms.
CO3	Prepare area inventory list.
CO4	Develop contract specification and price a contract.
CO5	Manage and organize theme decoration.

SYLLABUS

MODULE	(NO.OF PRACTICAL HOURS)
Module – I Flower arrangement Identification of flower arrangement tools and equipment. Flower arrangement (line, horizontal, mass, angle based, Ikebana, free style).	12
Module – II Guest room designing Three-dimensional model of rooms. Designing guest rooms for physically challenged people.	6
Module – III Documentation Preparing area inventory list. Designing various work documents.	6
Module – IV Dealing Contract Preparing contract specification. Pricing contract.	6
Module – V Decoration Theme decoration.	6

Textbooks:

1. S. Andrews, *Hotel Housekeeping Management & Operation*. New Delhi: Tata McGraw Hill, 2008.
2. G. Raghubalan and S. Raghubalan, *Hotel Housekeeping Operation and Management*. 3rd ed, New Delhi: Oxford university press, 2014.
3. S.K. Kaushal and S.N. Kaushal, *Accommodation Operation and Management*. 1st ed, New Delhi: Frank Bros. & Co, 2006.

Reference books:

1. M. Schneider and G. Tucker, *The Professional Housekeeper*. 4th ed., New York: John Wiley, 1999.
2. Thomas J. A. Jones, *Professional Management of Housekeeping operations*. 5th ed., New York: John Wiley, 2010.
3. Joan C. Branson and M. Lennox, *Hotel, Hostel & Hospital Housekeeping*. 5th ed, London: Hodder Arnold, 1988.

4. M. Kappa and A.Nitschke, *Managing House Keeping Operation.3rd ed*, Lansing Mich: American Hotel and Lodging, Educational Institute, 2008.

Gaps in the syllabus (to meet Industry/Profession requirements) - Nil

POs met through Gaps in the Syllabus - N/A

Topics beyond syllabus/Advanced topics/Design - N/A

POs met through Topics beyond syllabus/Advanced topics/Design – N/A

Course Outcome (CO) Attainment Assessment tools & Evaluation procedure

Direct Assessment

Assessment Tool	% Contribution during CO Assessment
Progressive Evaluation	60
End Evaluation	40

Indirect Assessment –

2. Student's Feedback on Course Outcome

Mapping of Course Outcomes onto Program Outcomes

Course Outcome	Program Outcomes (POs)												Program Specific Outcomes (PSOs)		
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
CO1	3	3	3	3	2	1	2	2	3	2	2	3	3	1	2
CO2	3	3	3	3	2	3	3	2	3	2	2	3	3	3	3
CO3	3	3	3	2	2	2	2	2	3	1	1	3	3	3	3
CO4	3	3	3	3	3	1	2	3	2	3	2	3	3	3	2
CO5	3	3	2	2	2	3	2	2	2	1	2	3	3	3	2

Correlation Levels 1,2 or 3 as defined below:

- 1: Slight (Low) 2: Moderate (Medium) 3: Substantial (High)

Mapping Between COs and Course Delivery (CD) methods

CD Code	Course Delivery methods	Course Outcome	Course Delivery Method Used
CD1	Lecture by use of boards/LCD projectors/OHP projectors	CO 1	CD5, CD8
CD2	Tutorials/Assignments	CO 2	CD5, CD8
CD3	Seminars	CO 3	CD5, CD8
CD4	Mini projects/Projects	CO 4	CD5, CD8
CD5	Laboratory experiments/teaching aids	CO 5	CD5, CD8
CD6	Industrial/guest lectures		
CD7	Industrial visits/in-plant training		
CD8	Self- learning such as use of NPTEL materials and internets		
CD9	Simulation		

COURSE INFORMATION SHEET

Course code: HM 400
Course title: Research Project/Industrial internship
Pre-requisite(s) NIL
Co-requisite(s): NIL
Credits: 12 L: T: P:
Class: BHMCT
Semester/Level Eighth/ Fourth
Branch: HMCT
Name of Teacher:

Course Objectives

This course envisions to impart to students to:

1.	Know the concept of research, procedure, and application for various real-life situations.
2.	Understand different research design, tools and techniques to conduct research.
3.	Learn report writing and presentation

Course Outcomes

After the completion of this course, students will be able to:

CO1	Assess real life problems and solutions.
CO2	Plan research design.
CO3	Apply correct tools and techniques to conduct research.
CO4	Prepare research report and presentations.

SYLLABUS

Students may opt for either Research Project (A) or Industrial internship (B).

MODULE	Time Period
<p>A. Research Project:</p> <p>Each student shall submit proposal(s) for the project, he/she wants to undertake in order of preference from which the final topic may be selected. Research project shall be done at the institute labs (experimental method) or as field study (survey method).</p> <p>Mandatory contact classes of Research Methodology and Business Statistics shall be arranged. Departmental Project Evaluation Committee (DPEC) shall finalize the topics to be covered during contact classes.</p> <p>Project report shall be submitted as specified by the DPEC with the timeframe.</p>	<p>14 weeks</p>
<p>B. Industrial internship:</p> <p>Students opting for Industry Internship in lieu of research project work shall do it preferably from the reputed organisations with prior NOC from HOD.</p> <p>Students shall produce an internship / project completion certificate from the concerned organisation to the HOD before the final examination.</p> <p>Project report shall be submitted as specified by the DPEC with the timeframe.</p>	<p>14 weeks</p> <p><i>(As deemed suitable by the industry, the no. of weeks can be increased with the prior approval of HOD)</i></p>

Textbooks:

1. C.R. Kothari, *Research Methodology Methods and Techniques*, Vishwa Prakashan, 2006.
2. Chawla, D. *Research Methodology: Concepts and Cases: Concepts & Cases*
3. G.M. Jenkins, and, D.G Watts, *Spectral Analysis and its Applications*, Holden Day, 1986.

Reference books:

1. Levin, R, I, Rubin, D, S. *Statistics for Management*, Pearson Education, 2005.
2. R, Donald, Cooper, Pamela S. Schindler, *Business Research Methods*, Tata McGraw-Hill Co. Ltd., 2006.

Gaps in the syllabus (to meet Industry/Profession requirements): - Nil

POs met through Gaps in the Syllabus: - N/A

Topics beyond syllabus/Advanced topics/Design: - N/A

POs met through Topics beyond syllabus/Advanced topics/Design: - N/A

Course Outcome (CO) Attainment Assessment tools & Evaluation procedure

Direct Assessment

Assessment Tool	% Contribution during CO Assessment
Progressive Evaluation	60
End Sem Evaluation	40

Indirect Assessment

1. Student's Feedback on Course Outcome.

Mapping of Course Outcomes onto Program Outcomes

Course Outcome	Program Outcomes (POs)												Program Specific Outcomes (PSOs)		
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
CO1	3	3	3	2	2	2	3	1	1	2	3	2	3	2	2
CO2	3	3	3	3	3	3	2	1	3	2	1	3	3	2	3
CO3	3	3	3	2	2	2	2	2	3	3	3	2	3	2	3
CO4	3	3	3	3	3	3	2	3	2	3	2	3	3	2	2

Correlation Levels 1, 2 or 3 as defined below:

- 1: Slight (Low) 2: Moderate (Medium) 3: Substantial (High)

Mapping Between COs and Course Delivery (CD) methods

A. Research Project

CD Code	Course Delivery Methods	Course Outcome	Course Delivery Method Used
CD1	Lecture by use of Boards/LCD Projectors	CO1	CD1, CD2, CD3, CD5, CD6, CD7, CD8
CD2	Tutorials/Assignments	CO2	CD1, CD2, CD3, CD5, CD6, CD7, CD8
CD3	Seminars	CO3	CD1, CD2, CD3, CD5, CD6, CD7, CD8
CD4	Mini Projects/Projects	CO4	CD1, CD2, CD3, CD5, CD6, CD7, CD8
CD5	Laboratory Experiments/Teaching Aids		
CD6	Industrial/Guest Lectures		
CD7	Industrial Visits/In-plant Training		
CD8	Self- learning such as use of NPTEL Materials and Internets		
CD9	Simulation		

B. Industrial internship

CD Code	Course Delivery Methods	Course Outcome	Course Delivery Method Used
CD1	Lecture by use of Boards/LCD Projectors	CO1	CD7, CD8
CD2	Tutorials/Assignments	CO2	CD7, CD8
CD3	Seminars	CO3	CD7, CD8
CD4	Mini Projects/Projects	CO4	CD7, CD8
CD5	Laboratory Experiments/Teaching Aids		
CD6	Industrial/Guest Lectures		
CD7	Industrial Visits/In-plant Training		
CD8	Self- learning such as use of NPTEL Materials and Internets		
CD9	Simulation		

COURSE INFORMATION SHEET

Course code: HM 401
Course title: Tourism Operations
Pre-requisite(s): NIL
Co-requisite(s): NIL
Credits: 3 L: 2 T: P: 2
Class schedule per week: 04
Class: BHMCT
Semester/Level: Seventh/Fourth
Branch: HMCT
Name of Teacher:

Course Objectives

This course envisions to impart to students to:

1.	Learn about various attributes of tourism.
2.	Know the meaning of travel agent and tour operator.
3.	Explain the aptitude of tour operations and executions.
4.	Develop the knack of handling tour operation file and other documentation.
5.	Apply the technique of trouble shooter practically in the field.

Course Outcomes

After the completion of this course, students will be to:

1.	Explain the meaning and nature of tourism. Conceptualize the various forms & types of tourism along with its important constituents.
2.	Illustrate the functions of tour operator and develop the methodology for tour operations.
3.	Create the insight on tourism products
4.	Apply the functions of various travel formalities
5.	Conceptualize the significance impact from tourism and identify the trends on tourism.

SYLLABUS

MODULE	(NO. OF LECTURE HOURS)
<p>Module – I Introduction Tourism, Tour Operator and Travel Agent: Meaning and Nature of Tourism, The Historical Perspective of Tourism, Forms & types of Tourism. Meaning of a Travel Agent & a Tour Operator. Role of Tour Operator and Travel agent in tourism promotion. Nature and functions of operation. Difference between guide and escort.</p>	8
<p>Module – II Functions of a Tour Operator: Market research and tour package formulation, assembling, processing and disseminating information on destinations, Liaising with principles. Itinerary Planning & Costing- concept of tour itinerary, preparation of sample itinerary with the timings of Air/Train or by surface and details of Sightseeing, Modes of transportation and length of stay. Tour costing – Methodology of quotation preparation, sample of quotation preparation for FIT, GIT and Incentives.</p>	8
<p>Module – III Ticketing and Travel formalities: Domestic ticketing, International ticketing, reservations, terms & conditions, documents required, Billing & payment procedure, Commission structure, Travel related vouchers like MCOs, PTA, PSR etc. Procedure of lost ticket, refund & cancellation charges. Problem faced by clients with domestic & international airlines. Passport, Visa, Health requirements, taxes, customs, currency, travel insurance, baggage and airport information. Computerized Reservations System (CRS) – Amadeus / Galileo etc. for learning fare construction, calculation, routing, creating PNR, cancellation.</p>	8
<p>Module – IV Tourism Impacts: Socio-cultural impacts of tourism, Economic impact and Environmental impact- Environment Impact Assessment, Approach to evaluating Impacts and Control Measures, Measuring Economic Costs and Benefits</p>	8
<p>Module – V World Tourism Organization, PATA, International Air Transport Association, India Tourism Development Corporation, Department of Tourism, India, IATO. Contribution from these organization in promotion of world tourism.</p>	8

Textbooks:

1. Sunetra Roday, *Tourism – Operations and Management*, Oxford Publications, 2010.
2. John R. Walker, *Introduction to Hospitality Management*, 2/e Pearson Education, 2008.

Reference books:

1. A. K. Bhatia, *The Business of Travel Agency & Tour Operations Management*, Sterling Publications, 2012.
2. P. N. Seth, *Successful Tourism Management*, Sterling Publication, 2008.
3. Sampad Kumar Swain, *Tourism*, Oxford Publications, New Delhi, 2008.
4. Mohinder Chand, *Travel Agency and Tour Operation- An introductory Text*, Anmol Publishers, 2010.

Gaps in the syllabus (to meet Industry/Profession requirements) - Nil

POs met through Gaps in the Syllabus - N/A

Topics beyond syllabus/Advanced topics/Design - N/A

POs met through Topics beyond syllabus/Advanced topics/Design – N/A

Course Outcome (CO) Attainment Assessment tools & Evaluation procedure

Direct Assessment

Assessment Tool	% Contribution during CO Assessment
First Quiz	10
Mid Semester Examination	25
Second Quiz	10
Teacher's Assessment	5
End Semester Examination	50

Indirect Assessment

1. Student's Feedback on Course Outcome.

Mapping of Course Outcomes onto Program Outcomes

Course Outcome	Program Outcomes (POs)												Program Specific Outcomes (PSOs)		
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
CO1	3	3	2	1	2	2	3			3	3	2	3	2	2
CO2	3	2	3	3	3	3	1	1	2	2	1	3	3	3	3
CO3	3	3	2	2	2	2	2	3	3	2	3	2	3	2	3
CO4	3	2	3	3	3	3	2	3	2	3	2	3	3	2	2
CO5	3	3	2	3	3	2	3	1		1	3	2	3	2	1

Correlation Levels 1, 2 or 3 as defined below:

- 1: Slight (Low) 2: Moderate (Medium) 3: Substantial (High)

Mapping Between COs and Course Delivery (CD) methods

CD Code	Course Delivery Methods	Course Outcome	Course Delivery Method Used
CD1	Lecture by use of Boards/LCD Projectors	CO1	CD1, CD8
CD2	Tutorials/Assignments	CO2	CD1, CD8
CD3	Seminars	CO3	CD1, CD8
CD4	Mini Projects/Projects	CO4	CD1, CD8
CD5	Laboratory Experiments/Teaching Aids	CO5	CD1, CD8
CD6	Industrial/Guest Lectures		
CD7	Industrial Visits/In-plant Training		
CD8	Self- learning such as use of NPTEL Materials and Internets		
CD9	Simulation		

COURSE INFORMATION SHEET

Course code: HM402
Course title: Professional Practice Law & Ethics
Pre-requisite(s): NIL
Co- requisite(s): NIL
Credits: 2 L: 2 T: P:
Class schedule per week: 02
Class: BHMCT
Semester / Level: Seventh/Fourth
Branch: HMCT
Name of Teacher:

Course Objectives

This course envisions to impart to students to:

1.	Learn different kinds of acts
2.	Know different types of Industrial act.
3.	Know food & liquor legislation, principles of food laws & adulteration of food
4.	Understand different types of Licenses and Permits
5.	Gain ethical dilemma of business

Course Outcomes

After the completion of this course, students will be to:

1.	Apply different kind of acts
2.	Critically examine different types of Industrial act.
3.	Apply food & liquor legislation, principles of food laws & adulteration of food
4.	Ascertain different types of Licenses and Permits
5.	Apply essentials of business ethics.

SYLLABUS

MODULE	(NO. OF LECTURE HOURS)
<p>Module – I</p> <p>Business Law: The Indian Contract Act, 1872, Types of contract, booking contract, Law relating to Registration of guest, Rules for registration, Breach of contract, Laws relating to death in a hotel, infectious diseases of a guest, guest causing disturbance, guests animals, property lost and found. The Partnership Act, 1932, Nature of partnership, Rights and duties of partner, The Companies Act, 1956, Essential features of company, Legal aspects of corporate social responsibility.</p>	7
<p>Module- II</p> <p>Food and Liquor Legislations: The Industrial Disputes Act, 1947, Definition of industry, Settlement of industrial disputes- Strike, lock-out, lay off, retrenchment and closure. Definition and brief description of others industrial laws, The Payment of Wages Act, 1936, The Minimum Wages Act, 1948. Employment of women, children, leave, health, safety and hygiene provision. Provident fund act 1952. Employees provident fund, Labour License.</p>	7
<p>Module – III</p> <p>The Prevention of Food Adulteration Act, 1954, Public Analysts and Food Inspectors, Sealing, Fastening and Dispatch of Samples, The Food Safety And Standards Act, 2006 Food Safety and Standards Authority of India, General Principles of Food Safety, General Provisions as to Articles of Food, Special Responsibilities as to Food Safety, Offences and Penalties, The Consumer Protection Act, 1986, Consumer complaint, Remedies for deficiency in services, Liquor legislation. conduct of license premises, sales of liquor, offences against licensing laws, permitted hours, occasional license, principle matters affecting licenses.</p>	7
<p>Module- IV</p> <p>Licenses and Permits: Licenses and permits required for running Star category of hotels (3 star and above) only ten important licenses to be taken, Procedure for applying and renewal of licenses and permits, Provisions for suspension and cancellation of licenses, By-laws of local authorities, Trade License, GST, PPL.</p>	7
<p>Module - V</p> <p>Professional Ethics: Introduction – Meaning - Scope – Types of Ethics – features – Factors influencing Business Ethics – significance of Business Ethics - Arguments for and against business ethics- Basics of business ethics - Ethical dilemma [basic idea, features and significance of each of element].</p>	7

Textbooks:

1. Kuchhal M.C. and Kuchhal V, *Business Law*, Vikas Publishing House, New Delhi. 7th Edition.2018.
2. Singh A, *Business Law*, Eastern Book Company, Lucknow. 17th Edition 2018
3. Kumar R *Legal Aspects of Business*, Cengage Learning. 4th Edition-2016.
4. Maheshwari S.N and Maheshwari SK, *Business Law*, National Publishing House, New Delhi. 2014.

Reference books:

1. Goyal B. K and Jain K, *Business Laws*, International Book House, India.2013.
2. Sushma A, *Business Laws*, Taxmann Publications, India.2015.
3. Pathak A, *Legal Aspects of Business*, McGraw Hill Education, India, 6th Edition.2014.
4. Tulsian P C and Tulsian B, *Business Law*, McGraw Hill Education, India, 2014.

Gaps in the syllabus (to meet Industry/Profession requirements) - Nil

POs met through Gaps in the Syllabus - N/A

Topics beyond syllabus/Advanced topics/Design - N/A

POs met through Topics beyond syllabus/Advanced topics/Design – N/A

Course Outcome (CO) Attainment Assessment tools & Evaluation procedure

Direct Assessment

Assessment Tool	% Contribution during CO Assessment
First Quiz	10
Mid Semester Examination	25
Second Quiz	10
Teacher's Assessment	5
End Semester Examination	50

Indirect Assessment

1. Student's Feedback on Course Outcome.

Mapping of Course Outcomes onto Program Outcomes

Course Outcome	Program Outcomes (POs)												Program Specific Outcomes (PSOs)		
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
CO1	1	1	2	1	1	1	1	3	3	1	1	1	3	2	1
CO2	1		3	1	1		1	3	3	1		1	3	2	3
CO3	1	1	3	1	1	1	1	3	3	1	1	1	3	2	3
CO4	1	1	3	1		1		3	3	1		1	3	2	2
CO5		1	3	1	1	1	2	3	3		3	3	3	2	1

Correlation Levels 1, 2 or 3 as defined below:

1: Slight (Low) 2: Moderate (Medium) 3: Substantial (High)

Mapping between COs and Course Delivery (CD) methods

CD	Course Delivery methods	Course Outcome	Course Delivery Method Used
CD1	Lecture by use of boards/LCD projectors	CO1	CD1, CD8
CD2	Tutorials/Assignments	CO2	CD1, CD8
CD3	Seminars	CO3	CD1, CD8
CD4	Mini projects/Projects	CO4	CD1, CD8
CD5	Laboratory experiments/teaching aids	CO5	CD1, CD8
CD6	Industrial/guest lectures		
CD7	Industrial visits/in-plant training		
CD8	Self- learning such as use of NPTEL materials and internets		
CD9	Simulation		

COURSE INFORMATION SHEET

Course code: HM 403
Course title: International Cuisine
Pre-requisite(s): NIL
Co- requisite(s): International Cuisine Practical HM 407
Credits: 3 L:3 T:0 P: 0
Class schedule per week: 03
Class: BHMCT
Semester / Level: Seventh/Fourth
Branch: HMCT
Name of Teacher:

Course Objectives

This course envisions to impart to students to:

1.	Understand European cuisines.
2.	Understand Mediterranean cuisines.
3.	Understand Oriental and Pacific cuisines.
4.	Understand American cuisines.
5.	Understand Middle East cuisines.

Course Outcomes

After the completion of this course, students will be able to:

CO1	Decipher the European cuisines on its merit.
CO2	Decipher the Mediterranean cuisines on its merit
CO3	Decipher the Oriental and Pacific cuisines on its merit
CO4	Decipher the American cuisines on its merit
CO5	Decipher the Middle East cuisines on its merit

SYLLABUS

MODULE	(NO. OF LECTURE HOURS)
Module – I European Cuisines Foods of British Isles, Scandinavia, central Europe, eastern Europe, Italy and France	8
Module- II Mediterranean Cuisines Foods of Spain, Portugal, Greece, Turkey, North Africa – Egypt and Morocco	8
Module – III Oriental and Pacific Cuisines Foods of China, Japan, Korea, Polynesia and South East Asia- Thailand	8
Module- IV American Cuisines Foods of South America, Caribbean Islands, central America- Mexico	8
Module - V Middle East Cuisine Foods of Arab, Persia and Afghanistan	8

Text Books:

1. P. S. Bali, *International Cuisine and Food Production Management*, Oxford University Press, New Delhi, 2012
2. Mc Williams, *Food around the world*, Pearson, 2012

Reference Books:

1. M Milona, *Culinaria Greece*, Culinaria Konemann, 2004
2. C Piras, *Culinaria Italy*, Culinaria Konemann, 2004
3. M Trutter, *Culinaria Spain*, Culinaria Konemann, 2004
4. C B Teichmann, *Europe Master Chefs*, Culinaria Konemann, 2004

Gaps in the syllabus (to meet Industry/Profession requirements) - Nil

POs met through Gaps in the Syllabus - N/A

Topics beyond syllabus/Advanced topics/Design - N/A

POs met through Topics beyond syllabus/Advanced topics/Design – N/A

Course Outcome (CO) Attainment Assessment tools & Evaluation procedure

Direct Assessment

Assessment Tool	% Contribution during CO Assessment
First Quiz	10
Mid Semester Examination	25
Second Quiz	10
Teacher's Assessment	5
End Semester Examination	50

Indirect Assessment

1. Student's Feedback on Course Outcome.

Mapping of Course Outcomes onto Program Outcomes

Course Outcome	Program Outcomes (POs)												Program Specific Outcomes (PSOs)		
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
CO1	3	3	3	2	2			2	2	2	3	3	3	3	2
CO2	3	3	3	2	2			2	2	2	3	3	3	3	2
CO3	3	3	3	2	2			2	2	2	3	3	3	3	2
CO4	3	3	3	2	2			2	2	2	3	3	3	3	2
CO5	3	3	3	2	2			2	2	2	3	3	3	3	2

Correlation Levels 1, 2 or 3 as defined below:

- 1: Slight (Low) 2: Moderate (Medium) 3: Substantial (High)

Mapping Between COs and Course Delivery (CD) methods

CD Code	Course Delivery Methods	Course Outcome	Course Delivery Method Used
CD1	Lecture by use of Boards/LCD Projectors	CO1	CD1, CD8
CD2	Tutorials/Assignments	CO2	CD1, CD8
CD3	Seminars	CO3	CD1, CD8
CD4	Mini Projects/Projects	CO4	CD1, CD8
CD5	Laboratory Experiments/Teaching Aids	CO5	CD1, CD8
CD6	Industrial/Guest Lectures		
CD7	Industrial Visits/In-plant Training		
CD8	Self- learning such as use of NPTEL Materials and Internets		
CD9	Simulation		

COURSE INFORMATION SHEET

Course code: HM404
Course title: Food & Beverage Management
Pre-requisite(s): NIL
Co- requisite(s): Food and Beverage Management practical HM408
Credits: 3 L: 3 T: P:
Class schedule per week: 03
Class: BHMCT
Semester / Level: Seventh / Fourth
Branch: HMCT
Name of Teacher:

Course Objectives

This course envisions to impart to students to:

1.	Gain sufficient knowledge pertaining to develop business plan of a restaurant.
2.	Understand the menu engineering process.
3.	Gain sufficient knowledge to manage inventory in food & beverage service establishments.
4.	Gain sufficient knowledge to manage materials in food & beverage service establishments.
5.	Gain a basic understanding of budget & budgetary control process.

Course Outcomes

After the completion of this course, students will be able to:

CO1	Develop business plan of a restaurant.
CO2	Design and analyze menu for food service establishments.
CO3	Manage inventory in food & beverage service establishments.
CO4	Manage materials in food & beverage service establishments.
CO5	Explain budget and budgetary control process.

SYLLABUS

MODULE	(NO. OF LECTURE HOURS)
Module – I Restaurant Planning: Physical lay-out of functional & ancillary areas, Objectives of a good lay-out, Steps in planning, Factors to be considered while planning, calculating space requirement, Various set-up for sitting, Planning staff requirement, Menu planning, Selection of equipment, lighting, fixtures, crockery, cutlery etc.	8
Module- II Menu Management: Introduction, Types of Menu, Menu Planning Considerations & Constraints, Menu Costing and Pricing, Menu Merchandising, Menu Engineering, Menu Fatigue, Menu as a In-House Marketing Tool.	8
Module – III Inventory Control: Importance, objectives, methods, levels & technique, perpetual inventory, monthly inventory, pricing of commodity, comparison of physical and perpetual inventory.	8
Module- IV Materials Management: Introduction, Necessity & Function, Technique- JIT, ABC Classification, Kanban system, Technology used in materials management: AGV & Others.	8
Module - V Budgetary Control: Introduction, Objective, Kind of Budget, Budgetary Control Process, Stages in the preparation of Budgets, Budgeting for F&B Operations, Variance Analysis.	8

Textbooks:

1. Singaravelavan R. *Food & Beverage Services*, Oxford Publications, 2011.
2. Davis D, Lockwood A and Stone S. *Food & Beverage Management*, Butterworth-Heinemann (Elsevier), Third Edition, 2008.
3. Sven A. *Inventory Control*, Springer, Third Edition, 2015.
4. Chapman S, Arnold J. R. and Gatewood A. K. *Introduction to Materials Management*, Essex, England: Pearson Education Limited, 2017.
5. Kasavana M. L. and Smith I. D. *Menu Engineering: A Practical Guide to Menu Analysis*, Hospitality Publication, 1982.

Reference books:

1. Kotschevar L. H, Withrow D. *Management by Menu*, New Jersey: Wiley & Sons, 2008.
2. Rainsford P, Bangs H. D. *Restaurant Planning Guide*, Jere L. Calmes, 1996.
3. Katz J. B. *Restaurant Planning, Design, and Construction: A Survival Manual for Owners*,

Operators, and Developers, New York: Wiley & Sons, 1997.

4. Muller M. *Essentials of Inventory Management*, AMACOM, 2011.
5. Jacobs F. R, Chase R. *Operations and Supply Chain Management*, McGraw Hill Education, 2010.
6. Gopalakrishanan P and Sundaresan M. *Materials Management: An Integrated Approach*, Prentice Hall India Learning Private Limited, 2000.
7. Cousins J. Foskett D and Gillespie C. *Food and Beverage Management*, Pearson Education Limited, 2011.

Gaps in the syllabus (to meet Industry/Profession requirements) - Nil

POs met through Gaps in the Syllabus - N/A

Topics beyond syllabus/Advanced topics/Design - N/A

POs met through Topics beyond syllabus/Advanced topics/Design– N/A

Course Outcome (CO) Attainment Assessment tools & Evaluation procedure

Direct Assessment

Assessment Tool	% Contribution during CO Assessment
First Quiz	10
Mid Semester Examination	25
Second Quiz	10
Teacher's Assessment	5
End Semester Examination	50

Indirect Assessment

1. Student's Feedback on Course Outcome.

Mapping of Course Outcomes onto Program Outcomes

Course Outcome	Program Outcomes (POs)												Program Specific Outcomes (PSOs)		
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
CO1	3	3	3	2	3	2	2	3	3	2	2	1	3	3	2
CO2	3	3	3	2	3	3	3	3	3	2	2	1	3	3	2
CO3	3	3	3	2	3	2	3	3	3	2		1	3	3	2
CO4	3	3	3	2	3	2	3	3	3	2		1	3	3	2
CO5	3	3	3	2	3	2	3	3	3	2		1	3	3	3

Correlation Levels 1, 2 or 3 as defined below:

1: Slight (Low) 2: Moderate (Medium) 3: Substantial (High)

Mapping Between COs and Course Delivery (CD) methods

CD Code	Course Delivery Methods	Course Outcome	Course Delivery Method Used
CD1	Lecture by use of Boards/LCD Projectors	CO1	CD1, CD8, CD2
CD2	Tutorials/Assignments	CO2	CD1, CD8
CD3	Seminars	CO3	CD1, CD8
CD4	Mini Projects/Projects	CO4	CD1, CD8
CD5	Laboratory Experiments/Teaching Aids	CO5	CD1, CD8
CD6	Industrial/Guest Lectures		
CD7	Industrial Visits/In-plant Training		
CD8	Self- learning such as use of NPTEL Materials and Internets		
CD9	Simulation		

COURSE INFORMATION SHEET

Course code: HM 405
Course title: Advance Front Office Management
Pre-requisite(s): NIL
Co- requisite(s): Advance Front Office Management Practical HM 409
Credits: 3 Cr. 3 L: 3 T: P:
Class schedule per week: 03
Class: BHMCT
Semester / Level: Seventh / Fourth
Branch: HMCT
Name of Teacher:

Course Objectives

This course envisions to impart to students to:

1.	Understand the importance of quality service in Hotel.
2.	Explain the use of data in forecasting
3.	Understand the strategies for revenue generation
4.	Explain the importance of Property Management System in Hotel.
5.	Understand various channel of distribution for hotel.

Course Outcomes

After the completion of this course, students will be able to:

CO1	Create quality service in Front Office department of a hotel.
CO2	Evaluate various historical, current, and future data to estimate room demand.
CO3	Develop various revenue management strategies for hotel.
CO4	Select Property Management System for hotel.
CO5	Develop Distribution channel for the Hotel.

SYLLABUS

MODULE	(NO. OF LECTURE HOURS)
<p>Module – I</p> <p>Quality service in Front office: Lodging as a guest service business, developing a quality culture: Role of Manager in quality, determining guest service expectation, planning guest service process – recognizing basic concerns, determining guest service expectations, Delivering guest service through employees.</p>	8
<p>Module- II</p> <p>Managing Forecast Data: Tracking room demand: Computation of occupancy forecast, No Shows, early departure, Overstay, use of current and future data. Predictive data sources: Internal Data & External Data. Managing occupancy forecast report – pick up report, ten-day forecast, extended forecast, Other forecast issues – impact on pricing and Evaluation of effectiveness.</p>	8
<p>Module – III</p> <p>Revenue Management: Room rate management, room rate economics – rate types, rate determination, revenue management tool, revenue management essentials. Traditional pricing strategy, web-based pricing strategy, Yield Management – Implementation and Techniques.</p>	8
<p>Module- IV</p> <p>Front office Property Management System: Four R’s of Front office information management – Reservation Management, Rooms Management, Revenue Management, Record and Account management, PMS report development, distribution and analysis.</p>	8
<p>Module - V</p> <p>Distribution Channel Management: Overview of distribution channels- brief history of distribution channels, use of intermediaries, current distribution channels. Management of distribution channels – walk in guest, Group sales department, Global Distribution system, Central reservation system, Internet, Telephone, Fax etc. challenges of distribution channel management.</p>	8

Textbooks:

1. Robert H Woods, Jack D Ninemeier, *Professional Front office Management*, Pearson, 2006.

Reference Books:

1. Colin Dix & Chirs Baird, *Front office operations*, Pearson, 2006.

Gaps in the syllabus (to meet Industry/Profession requirements) - Nil

POs met through Gaps in the Syllabus - N/A

Topics beyond syllabus/Advanced topics/Design - N/A

POs met through Topics beyond syllabus/Advanced topics/Design – N/A

Course Outcome (CO) Attainment Assessment tools & Evaluation procedure

Direct Assessment

Assessment Tool	% Contribution during CO Assessment
First Quiz	10
Mid Semester Examination	25
Second Quiz	10
Teacher's Assessment	5
End Semester Examination	50

Indirect Assessment

1. Student's Feedback on Course Outcome.

Mapping of Course Outcomes onto Program Outcomes

Course Outcome	Program Outcomes (POs)												Program Specific Outcomes (PSOs)		
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
CO1	3	2	2	2	2	2	1	3	2	1	1	2	3	3	1
CO2	2	2	2	1	2	2	3	2	1		1	2	2	1	2
CO3	2	2	2	1	2	2	3	2	1		1	2	2	1	2
CO4	2	2	2	3	2	2	2	2	3	1	1	3	2	3	2
CO5	1	2	3	1	3	2	1		1	2	1	2	2	2	1

Correlation Levels 1, 2 or 3 as defined below:

- 1: Slight (Low) 2: Moderate (Medium) 3: Substantial (High)

Mapping Between COs and Course Delivery (CD) methods

CD Code	Course Delivery Methods	Course Outcome	Course Delivery Method Used
CD1	Lecture by use of Boards/LCD Projectors	CO1	CD1, CD8
CD2	Tutorials/Assignments	CO2	CD1, CD8
CD3	Seminars	CO3	CD1, CD8
CD4	Mini Projects/Projects	CO4	CD1, CD8
CD5	Laboratory Experiments/Teaching Aids	CO5	CD1, CD8, CD2
CD6	Industrial/Guest Lectures		
CD7	Industrial Visits/In-plant Training		
CD8	Self- learning such as use of NPTEL Materials and Internets		
CD9	Simulation		

COURSE INFORMATION SHEET

Course code: HM 406
Course title: Advance Accommodation Management
Pre-requisite(s): NIL
Co- requisite(s): Advance Accommodation Management Practical HM 410
Credits: 3 L: 3 T: P:
Class schedule per week: 03
Class: BHMCT
Semester / Level: Seventh / Fourth
Branch: HMCT
Name of Teacher:

Course Objectives

This course envisions to impart to students to:

1.	Develop managerial skill in housekeeping operation like determining staff strength, manpower recruitment, orientation and training programme.
2.	Explain budget preparation for the housekeeping department.
3.	Classify fibres (textiles) with their construction and characteristics.
4.	Explain the changing trends in housekeeping and design services for typical market segment
5.	Explain the role of housekeeping in new property operation.

Course Outcomes

After the completion of this course, students will be able to:

CO1	Explain the managerial aspect of manpower recruitment, staffing, orientation and training programme required for the housekeeping personnel.
CO2	Conceptualize the budgeting process for the housekeeping department.
CO3	Classify textiles enabling them to make better decision regarding selection of fabrics for hotel's use.
CO4	Identify changing trends in housekeeping department and apply the knowledge for designing services for typical market segment.
CO5	Manage the role of housekeeping department in new property operation and efficient planning before countdown.

SYLLABUS

MODULE	(NO.OF LECTURE HOURS)
<p>Module – I</p> <p>Managing housekeeping Personnel: Introduction, document for personnel management: job description, position description, job specification, job list, job assignment, job breakdown, determining staff strength, staffing guide, scheduling, work schedule, Recruiting, Selecting, Hiring, Orienting & training.</p>	8
<p>Module – II</p> <p>Budgeting for Housekeeping: Introduction, Types of budget: Capital, operating, master, departmental, fixed and flexible budget. Housekeeping expenses: operating and capital expenses. Budget planning process, Controlling expenses: operating expenses, cost control in specific areas. Inventory control & Stock taking: Stock taking, Establishing Par levels, Purchasing: principles, steps, Types of purchasing.</p>	8
<p>Module – III</p> <p>Textiles: Introduction of textile fibres: source based, length based, content based. Identification of fibres: Tactile & visual examination, Microscopic analysis, chemical method, solubility test, burning test. Characteristics of textile fibres: Natural: vegetable, Animal & Manmade. Yarn: Types characteristics, Fabric construction: weaving, knitting, Netting, Braiding, Bonding.</p>	8
<p>Module – IV</p> <p>Changing trends in housekeeping: Outsourcing, training, motivation, Eco-friendly amenities, product and process, IT in the housekeeping department. Designing services for typical market segmentation: airline crews, physically challenged person, single lady.</p>	8
<p>Module – V</p> <p>New property operation: Introduction, Starting up Housekeeping. Role of Housekeeper in new property: Material resources, system and procedure, division of work, plan of area responsibility, organizing new work force, House break up, planning workload of GRA and supervisor, Orientation and training, scheduling new employees. Countdown: Three months before the opening, two months in advance, six weeks in advance, four weeks to go, one week to go.</p>	8

Textbooks:

1. S. Andrews, *Hotel Housekeeping Management & Operation*. New Delhi: Tata McGraw Hill, 2008.
2. G. Raghubalan and S. Raghubalan, *Hotel Housekeeping Operation and Management*. 3rd ed, New Delhi: Oxford university press, 2014.
3. M. Schneider and G. Tucker, *The Professional Housekeeper*. 4th ed., New York: John Wiley, 1999.

Reference books:

1. Thomas J. A. Jones, *Professional Management of Housekeeping operations*. 5th ed., New York: John Wiley, 2010.
2. Joan C. Branson and M. Lennox, *Hotel, Hostel & Hospital Housekeeping*. 5th ed, London: Hodder Arnold, 1988.
3. M. Kappa and A. Nitschke, *Managing House Keeping Operation*. 3rd ed., Lansing Mich: American Hotel and Lodging, Educational Institute, 2008.
4. S. Malini and Jaya B. George, *Housekeeping Operations, Design and Management*. Mumbai: Jaico Publishing House, 2008.
5. J M S. Negi, *Professional Hotel Management*. 3rd ed. New Delhi: S. Chand & Company Private Ltd., 2014.

Gaps in the syllabus (to meet Industry/Profession requirements) - Nil

POs met through Gaps in the Syllabus - N/A

Topics beyond syllabus/Advanced topics/Design - N/A

POs met through Topics beyond syllabus/Advanced topics/Design – N/A

Course Outcome (CO) Attainment Assessment tools & Evaluation procedure

Direct Assessment

Assessment Tool	% Contribution during CO Assessment
First Quiz	10
Mid Semester Examination	25
Second Quiz	10
Teacher's Assessment	5
End Semester Examination	50

Indirect Assessment –

1. Student's Feedback on Course Outcome

Mapping of Course Outcomes onto Program Outcomes

Course Outcome	Program Outcomes (POs)												Program Specific Outcomes (PSOs)		
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
CO1	3	3	3	1	2	3	2	2	1	2	1	2	3	3	3
CO2	3	3	3	2	3	1	2	3	2	2	1	2	2	2	3
CO3	3	3	3	2	3	2	3	2	2	3	3	3	3	2	2
CO4	3	3	3	2	3	2	2	3	2	3	3	3	3	3	3
CO5	3	3	3	2	3	2	2	3	1	3	2	3	3	3	3

Correlation Levels 1,2 or 3 as defined below:

1: Slight (Low) 2: Moderate (Medium) 3: Substantial (High)

Mapping Between COs and Course Delivery (CD) methods

CD Code	Course Delivery methods	Course Outcome	Course Delivery Method Used
CD1	Lecture by use of boards/LCD projectors/OHP projectors	CO1	CD1, CD8
CD2	Tutorials/Assignments	CO2	CD1, CD8
CD3	Seminars	CO3	CD1, CD8
CD4	Mini projects/Projects	CO4	CD1, CD8
CD5	Laboratory experiments/teaching aids	CO5	CD1, CD8
CD6	Industrial/guest lectures		
CD7	Industrial visits/in-plant training		
CD8	Self- learning such as use of NPTEL materials and internets		
CD9	Simulation		

COURSE INFORMATION SHEET

Course code: HM 407
Course title: International Cuisine Practical
Pre-requisite(s):
Co- requisite(s): International Cuisine HM 403
Credits: 1.5 Cr. L : 0 T : 0 P : 3
Class schedule per week: 3
Class: BHMCT
Semester / Level: Seventh/Fourth
Branch: HMCT
Name of Teacher:

Course Objectives

This course envisions to impart to students to:

1.	Understand the European cuisines and cross-cultural influences on international cuisines
2.	Understand the Mediterranean cuisines and cross-cultural influences on international cuisines
3.	Understand the Oriental cuisines and cross-cultural influences on international cuisines
4.	Understand the American cuisines and cross-cultural influences on international cuisines
5.	Understand the Middle East cuisines and cross-cultural influences on international cuisines

Course Outcomes

After the completion of this course, students will be able to:

CO1	Prepare the European cuisines on its merit.
CO2	Prepare the Mediterranean cuisines on its merit.
CO3	Prepare the Oriental and Pacific cuisines on its merit.
CO4	Prepare the American cuisines on its merit.
CO5	Prepare the Middle East cuisines on its merit.

SYLLABUS

MODULE	(NO. OF PRACTICAL HOURS)
Module – I European Cuisines Staple food with regional influence, regional cooking style, methods of cooking, menu preparation of European Cuisines	9
Module- II Mediterranean Cuisines Staple food with regional influence, regional cooking style, methods of cooking, menu preparation of Mediterranean Cuisines	6
Module – III Oriental and Pacific Cuisines Staple food with regional influence, regional cooking style, methods of cooking, menu preparation of Oriental and Pacific Cuisines	9
Module- IV American Cuisines Staple food with regional influence, regional cooking style, methods of cooking, menu preparation of American Cuisines	6
Module - V Middle East Cuisines Staple food with regional influence, regional cooking style, methods of cooking, menu preparation of Middle East Cuisines	6

Textbooks:

1. P. S. Bali, *International Cuisine and Food Production Management*, Oxford University Press, New Delhi, 2012
2. Mc Williams, *Food around the world*, Pearson, 2012

Reference books:

1. M Milona, *Culinaria Greece*, Culinaria Konemann, 2004
2. C Piras, *Culinaria Italy*, Culinaria Konemann, 2004
3. M Trutter, *Culinaria Spain*, Culinaria Konemann, 2004
4. C B Teichmann, *Europe Master Chefs*, Culinaria Konemann, 2004

Gaps in the syllabus (to meet Industry/Profession requirements) - Nil

POs met through Gaps in the Syllabus - N/A

Topics beyond syllabus/Advanced topics/Design - N/A

POs met through Topics beyond syllabus/Advanced topics/Design – N/A

Course Outcome (CO) Attainment Assessment tools & Evaluation procedure

Direct Assessment

Assessment Tool	% Contribution during CO Assessment
Progressive Evaluation	60
End Sem. Evaluation	40

Indirect Assessment

1. Student's Feedback on Course Outcome.

Mapping of Course Outcomes onto Program Outcomes

Course Outcome	Program Outcomes (POs)												Program Specific Outcomes (PSOs)		
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
CO1	3	3	3	2	2			2	2	2	3	3	3	3	2
CO2	3	3	3	2	2			2	2	2	3	3	3	3	2
CO3	3	3	3	2	2			2	2	2	3	3	3	3	2
CO4	3	3	3	2	2			2	2	2	3	3	3	3	2
CO5	3	3	3	2	2			2	2	2	3	3	3	3	2

Correlation Levels 1, 2 or 3 as defined below:

- 1: Slight (Low) 2: Moderate (Medium) 3: Substantial (High)

Mapping Between COs and Course Delivery (CD) methods

CD Code	Course Delivery Methods	Course Outcome	Course Delivery Method Used
CD1	Lecture by use of Boards/LCD Projectors	CO1	CD8,CD5
CD2	Tutorials/Assignments	CO2	CD8,CD5
CD3	Seminars	CO3	CD8,CD5
CD4	Mini Projects/Projects	CO4	CD8,CD5
CD5	Laboratory Experiments/Teaching Aids	CO5	CD8,CD5
CD6	Industrial/Guest Lectures		
CD7	Industrial Visits/In-plant Training		
CD8	Self- learning such as use of NPTEL Materials and Internets		
CD9	Simulation		

COURSE INFORMATION SHEET

Course code: HM408
Course title: Food and Beverage Management Practical
Pre-requisite(s): NIL
Co- requisite(s): Food and Beverage Management HM404
Credits: 1.5 L: T: P: 3
Class schedule per week: 03
Class: BHMCT
Semester / Level: Seventh/Fourth
Branch: HMCT
Name of Teacher:

Course Objectives

This course envisions to impart to students to:

1.	Learn the skill of setting up various types of restaurant.
2.	Learn the skill of menu designing.
3.	Gain an in-depth understanding of menu engineering.
4.	Learn menu costing.
5.	Learn the practical ability to organize various types of events.

Course Outcomes

After the completion of this course, students will be able to:

CO1	Demonstrate practical ability to set-up various types of restaurants in a professional manner for service.
CO2	Design and analyse menu for food service establishments.
CO3	Calculate the cost of menu items.
CO4	Organize various types of Indian theme parties, cocktail parties and food festivals.
CO5	Analyse various problems that arise during the hotel operations and find the possible solutions of the problems.

SYLLABUS

MODULE	(NO. OF PRACTICAL HOURS)
Module – I Restaurant Set-ups of different types.	6
Module- II Set up a table with Prepared Menu with wines.	3
Module – III Menu Designing, Planning, Costing, Engineering.	6
Module- IV Indian themes and food festivals, Cocktail parties.	12
Module - V Case Studies.	6

Textbooks:

1. Singaravelavan R. *Food & Beverage Services*, Oxford Publications, 2011.
2. Andrews S. *Food & Beverage Management*, McGraw Hill Education, 2008.
3. LillicrapDennis R., *Food & Beverage Service*, Hodder Arnold Publication, 2006.

Reference books:

1. Kasavana M. L. and Smith I. D. *Menu Engineering: A Practical Guide to Menu Analysis*, Hospitality Publication, 1982.
2. Kotschevar L. H, Withrow D. *Management by Menu*, New Jersey: Wiley & Sons, 2008.
3. Prasad, Vara, Krishna R. Gopi, *Food & Beverage: F&B Simplified*, Pearson, 2013.

Gaps in the syllabus (to meet Industry/Profession requirements) - Nil

POs met through Gaps in the Syllabus - N/A

Topics beyond syllabus/Advanced topics/Design - N/A

POs met through Topics beyond syllabus/Advanced topics/Design – N/A

Course Outcome (CO) Attainment Assessment tools & Evaluation procedure

Direct Assessment

Assessment Tool	% Contribution during CO Assessment
Progressive Evaluation	60
End Sem. Evaluation	40

Indirect Assessment

1. Student's Feedback on Course Outcome.

Mapping of Course Outcomes onto Program Outcomes

Course Outcome	Program Outcomes (POs)												Program Specific Outcomes (PSOs)		
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
CO1	3	3	3	1	3	1		2	2	1	2	3	3	3	1
CO2	3	3	3	2	3	3	3	3	3	2		3	3	3	2
CO3	3	3	3	1	3	2	3	3	3	2		3	3	3	2
CO4	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
CO5	3	3	3	2	3	3	2	3	2	3	2	3	3	3	3

Correlation Levels 1, 2 or 3 as defined below:

1: Slight (Low) 2: Moderate (Medium) 3: Substantial (High)

Mapping Between COs and Course Delivery (CD) methods

CD Code	Course Delivery Methods	Course Outcome	Course Delivery Method Used
CD1	Lecture by use of Boards/LCD Projectors	CO1	CD5, CD8
CD2	Tutorials/Assignments	CO2	CD5, CD8
CD3	Seminars	CO3	CD5, CD8
CD4	Mini Projects/Projects	CO4	CD5, CD8, CD9
CD5	Laboratory Experiments/Teaching Aids	CO5	CD4, CD5, CD8
CD6	Industrial/Guest Lectures		
CD7	Industrial Visits/In-plant Training		
CD8	Self- learning such as use of NPTEL Materials and Internets		
CD9	Simulation		

Course code: HM 409
Course title: Advance Front Office Management Practical
Pre-requisite(s): NIL
Co- requisite(s): Advance Front Office Management HM 405
Credits: 1.5 L: T: P: 3
Class schedule per week: 03
Class: BHMCT
Semester / Level: Seventh / Fourth
Branch: HMCT
Name of Teacher:

Course Objectives

This course envisions to impart to students to:

1.	Understand the importance of quality service in Hotel.
2.	Explain the use of data in forecasting
3.	Understand the strategies for revenue generation
4.	Explain the importance of Property Management System in Hotel.
5.	Understand various situation which may arise during hotel operation.

Course Outcomes

After the completion of this course, students will be able to:

CO1	Demonstrate guest service delivery.
CO2	Compute Occupancy percentages.
CO3	Develop Room Rate using different approach.
CO4	Demonstrate PMS application for various Front Office Functions.
CO5	Handle various situation arising in day to day operation of hotel.

SYLLABUS

MODULE	(NO. OF PRACTICAL HOURS)
Module – I Quality Service in Front office Role play of planning guest service for quality service. Role play of delivering guest service through employees.	6
Module- II Computation of occupancy forecast Computation of occupancy forecast percentage. Computation of availability forecast percentage.	6
Module – III Revenue Management Computation of room rate by applying Hubbart Formula. Computation of room rate by 1 per 1000 approach	6
Module- IV Front office Property Management System PMS Lab for reservation management. PMS Lab for room management. PMS Lab for revenue management PMS Lab for account management.	12
Module - V Case Studies Case Studies. Situation handling	6

Textbooks:

1. Kasavana & Brooks, *Managing Front Office Operations*, AHL&A, 2001

Reference Books:

1. Colin Dix & Chirs Baird, *Front office operations*, Pearson, 2006.

Gaps in the syllabus (to meet Industry/Profession requirements) - Nil

POs met through Gaps in the Syllabus - N/A

Topics beyond syllabus/Advanced topics/Design - N/A

POs met through Topics beyond syllabus/Advanced topics/Design – N/A

Course Outcome (CO) Attainment Assessment tools & Evaluation procedure

Direct Assessment

Assessment Tool	% Contribution during CO Assessment
Progressive Evaluation	60
End Sem. Evaluation	40

Indirect Assessment

1. Student's Feedback on Course Outcome.

Mapping of Course Outcomes onto Program Outcomes

Course Outcome	Program Outcomes (POs)												Program Specific Outcomes (PSOs)		
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
CO1	3	2	2	2	2	2	1	3	2	1	1	2	3	3	1
CO2	2	2	2	1	2	2	3	2	1		1	2	2	1	2
CO3	2	2	2	1	2	2	3	2	1		1	2	2	1	2
CO4	2	2	2	3	2	2	2	2	3	1	1	3	2	3	2
CO5	2	2	2	1	1	2		3	1	1		2	3	3	1

Correlation Levels 1, 2 or 3 as defined below:

- 1: Slight (Low) 2: Moderate (Medium) 3: Substantial (High)

Mapping Between COs and Course Delivery (CD) methods

CD Code	Course Delivery Methods	Course Outcome	Course Delivery Method Used
CD1	Lecture by use of Boards/LCD Projectors	CO1	CD5, CD8, CD9
CD2	Tutorials/Assignments	CO2	CD5, CD8
CD3	Seminars	CO3	CD5, CD8
CD4	Mini Projects/Projects	CO4	CD5, CD8
CD5	Laboratory Experiments/Teaching Aids	CO5	CD5, CD8, CD9
CD6	Industrial/Guest Lectures		
CD7	Industrial Visits/In-plant Training		
CD8	Self- learning such as use of NPTEL Materials and Internets		
CD9	Simulation		

COURSE INFORMATION SHEET

Course code: HM 410
Course title: Advance Accommodation Management Practical
Pre-requisite(s): NIL
Co- requisite(s): Advance Accommodation Management HM 406
Credits: 1.5 L: T: P: 3
Class schedule per week: 03
Class: BHMCT
Semester / Level: Seventh / Fourth
Branch: HMCT
Name of Teacher:

Course Objectives

This course envisions to impart to students to:

1.	Explain job description, job specification, staffing guide and duty roaster.
2.	Design the process of advertisement design for recruitment.
3.	Explain the process of preparing budget.
4.	Classify different types of fibre.
5.	Design services for typical market segment.

Course Outcomes

After the completion of this course, students will be able to:

CO1	Develop job description, job specification, staffing guide and duty roaster for the housekeeping staffs.
CO2	Design advertisement for recruitment.
CO3	Conceptualize the skill of preparing budget.
CO4	Identify different types of fibre.
CO5	Explain services required for typical market segment.

SYLLABUS

MODULE	(NO.OF PRACTICAL HOURS)
Module – I Housekeeping operation Preparing job description and job specification. Preparing staffing guide and duty roaster.	6
Module – II Designing advertisement Designing advertisement for recruitment.	6
Module – III Budgeting Identifying housekeeping expenses. Preparing operational budget. Preparing Capital budget.	9
Module – IV Fibre identification Identification of fibre (manual and burning test) Identification of fibre (chemical, microscopic)	6
Module – V Special Service design Designing services for typical market segment (single lady, physically challenged person, airlines crew).	9

Textbooks:

1. S. Andrews, *Hotel Housekeeping Management & Operation*. New Delhi: Tata McGraw Hill, 2008.
2. G. Raghubalan and S. Raghubalan, *Hotel Housekeeping Operation and Management*. 3rd ed, New Delhi: Oxford university press, 2014.
3. M. Schneider and G. Tucker, *The Professional Housekeeper*. 4th ed., New York: John Wiley, 1999.

Reference books:

1. Thomas J. A. Jones, *Professional Management of Housekeeping operations*. 5th ed., New York: John Wiley, 2010.
2. M. Kappa and A. Nitschke, *Managing House Keeping Operation*. 3rd ed, Lansing Mich: American Hotel and Lodging, Educational Institute, 2008.
3. S. Malini and Jaya B. George, *Housekeeping Operations, Design and Management*. Mumbai, Jaico Publishing House, 2008.

4. J M S. Negi, *Professional Hotel Management. 3rd ed.* New Delhi: S. Chand & Company Private Ltd., 2014.

Gaps in the syllabus (to meet Industry/Profession requirements) - Nil

POs met through Gaps in the Syllabus - N/A

Topics beyond syllabus/Advanced topics/Design - N/A

POs met through Topics beyond syllabus/Advanced topics/Design – N/A

Course Outcome (CO) Attainment Assessment tools & Evaluation procedure

Direct Assessment

Assessment Tool	% Contribution during CO Assessment
Progressive Evaluation	60
End Evaluation	40

Indirect Assessment –

1. Student's Feedback on Course Outcome

Mapping of Course Outcomes onto Program Outcomes

Course Outcome	Program Outcomes (POs)												Program Specific Outcomes (PSOs)		
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
CO1	3	3	3	1	2	1	3	2	3	2	2	3	3	3	3
CO2	3	3	3	2	2	3	2	2	3	2	1	3	3	2	3
CO3	3	3	3	2	2	2	3	2	3	1	1	3	3	3	2
CO4	3	3	3	2	3	1	2	3	2	3	2	3	2	1	2
CO5	3	3	3	3	2	3	3	2	2	1	3	3	3	3	3

Correlation Levels 1, 2 or 3 as defined below:

- 1: Slight (Low) 2: Moderate (Medium) 3: Substantial (High)

Mapping Between COs and Course Delivery (CD) methods

CD Code	Course Delivery methods	Course Outcome	Course Delivery Method Used
CD1	Lecture by use of boards/LCD projectors/OHP projectors	CO 1	CD5, CD8
CD2	Tutorials/Assignments	CO 2	CD5, CD8
CD3	Seminars	CO 3	CD5, CD8
CD4	Mini projects/Projects	CO 4	CD5, CD8
CD5	Laboratory experiments/teaching aids	CO 5	CD5, CD8
CD6	Industrial/guest lectures		
CD7	Industrial visits/in-plant training		
CD8	Self- learning such as use of NPTEL materials and internets		
CD9	Simulation		

Open Elective

COURSE INFORMATION SHEET

Course code: HM224
Course title: Retail Management
Pre-requisite(s): NIL
Co- requisite(s): NIL
Credits: 3 L: 3 T: P:
Class schedule per week: 03
Class: UG ALL – Open elective
Semester / Level: Fourth/Second
Branch: ALL
Name of Teacher:

Course Objectives

This course envisions to impart to students to:

1.	Understand the concepts of retailing, types of stores and their layouts/designs and consumer behaviour.
2.	Understand the consumer behaviour of different market segments
3.	Understand the retail location decisions and site selection
4.	Understand the merchandise assortment and retail prices
5.	Understand the communication strategy for retail stores

Course Outcomes

After the completion of this course, students will be able to:

CO1	Explain the concepts of retailing, types of stores and their layouts/designs and consumer behaviour.
CO2	Examine the consumer behaviour of different market segments
CO3	Evaluate the retail location decisions and site selection
CO4	Design the merchandise assortment and retail prices
CO5	Employ the communication strategy for retail stores

SYLLABUS

MODULE	(NO. OF LECTURE HOURS)
Module – I Retailing Introduction, retail industry in India, retailers, retail institutions - store base retailing, non-store-based retailing, store layout	8
Module – II Retail customers Consumer behaviour, buying decisions, buying process, retail market segmentation	8
Module – III Retail locations and site selections Importance of locations, Types, location decision, site selection, site selection analysis	8
Module- IV Merchandise management Merchandise assortment, assortment planning process, financial aspect, buying, retail pricing	8
Module - V Retail communications Communication methods, Planning communications, Promotions mix - advertisement, sales promotions, personal selling, publicity	8

Textbooks:

1. Levy & Weitz, *Retailing Management*, Tata McGraw-Hill publishing Company Ltd., 2013
2. Chetan Bajaj, Rajnish Tuli and Nidhi Srivastava, *Retail Management*, Oxford University Press, 2010

Reference books:

1. Roger Cox and Paul Brittain, *Retailing An Introduction*, Pearson Education, 2004
2. Barry R. Berman, Joel R. Evans and Patrali M. Chatterjee, *Retail Management: A Strategic Approach* by, Pearson Education, 2018
3. David Gilbert, *Retail Marketing Management*, Pearson Education, 2006
4. R. K. Jain, *Retail Management*, Vayu Education of India, 2009

Gaps in the syllabus: Nil

POs met through Gaps in the Syllabus: - N/A

Topics beyond syllabus/Advanced topics/Design: -N/A

POs met through Topics beyond syllabus/Advanced topics/Design -N/A

Course Outcome (CO) Attainment Assessment tools & Evaluation procedure

Direct Assessment

Assessment Tool	% Contribution during CO Assessment
First Quiz	10
Mid Semester Examination	25
Second Quiz	10
Teacher's Assessment	5
End Semester Examination	50

Indirect Assessment

1. Student's Feedback on Course Outcome.

Mapping of Course Outcomes onto Program Outcomes

Course Outcome	Program Outcomes (POs)												Program Specific Outcomes (PSOs)		
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
CO1	2	2	2		1	2	2	2				1	2	2	
CO2	2	2	2		2	1	2	2				1	2	2	
CO3	2	2	2		1	1	2	2		2		1	2	2	
CO4	2	2	2		1	3	2	2				1	2	1	
CO5	2	2	2		2	2	2	2		1		1	2	1	

Correlation Levels 1, 2 or 3 as defined below:

- 1: Slight (Low) 2: Moderate (Medium) 3: Substantial (High)

Mapping Between COs and Course Delivery (CD) methods

CD Code	Course Delivery Methods	Course Outcome	Course Delivery Method Used
CD1	Lecture by use of Boards/LCD Projectors	CO1	CD1, CD8
CD2	Tutorials/Assignments	CO2	CD1, CD8
CD3	Seminars	CO3	CD1, CD8
CD4	Mini Projects/Projects	CO4	CD1, CD8
CD5	Laboratory Experiments/Teaching Aids	CO5	CD1, CD8
CD6	Industrial/Guest Lectures		
CD7	Industrial Visits/In-plant Training		
CD8	Self- learning such as use of NPTEL Materials and Internets		
CD9	Simulation		

COURSE INFORMATION SHEET

Course code: HM 322
Course title: Hospitality Marketing
Pre-requisite(s): NIL
Co- requisite(s): NIL
Credits: 3 L: 3 T: P:
Class schedule per week: 03
Class: UG ALL-Open Elective
Semester / Level: Fifth / Third
Branch: ALL
Name of Teacher:

Course Objectives

This course envisions to impart to students to:

1.	Explain the concept of marketing, its features and its application in hospitality industry.
2.	Describe the meaning of segmentation, criteria of segmentation and its need for marketing.
3.	Identify various types of hospitality products and its pricing.
4.	Understand the concept of promotion and distribution of hotel's product and services.
5.	Assess the three additional P's of marketing mix for service industry and application in relationship marketing.

Course Outcomes

After the completion of this course, students will be able to:

CO1	Explain the concept of marketing, features of hospitality marketing, distinguish between marketing of goods and services.
CO2	Conceptualize the need and bases of market segmentation and apply for hospitality marketing.
CO3	Develop different types of products and its pricing strategy.
CO4	Apply the promotion and distribution strategy for hotels products and services.
CO5	Explain the extended 3 P's of marketing mix in the hospitality industry and its relevance in relationship marketing.

SYLLABUS

MODULE	(NO.OF LECTURE HOURS)
<p>Module – I</p> <p>Basics of marketing: Definition of marketing: concept of exchange- needs and wants; Evolution of marketing- production era, sales era and marketing era. Hotel marketing: Difference between goods and services; Features of Hospitality marketing, Customer expectation from Hospitality services; Value chain linkage in hotel industry, Customer relationship management.</p>	8
<p>Module- II</p> <p>Market segmentation: Need for segmentation, market segmentation level- segment marketing, individual marketing, and local marketing. Selection of segmentation variables- criteria for segmenting consumer market, criteria for segmenting organizational market, Effective segmentation- measurable, sustainable and accessible.</p>	8
<p>Module – III</p> <p>Product& Pricing: Hospitality products: Rooms, food and beverage and value-added products like recreation & health, shops, car rental service, gymnasium etc. Travel agency and tour operator’s products, New service product development, levels of service and product. Price: Definition, meaning, Role of pricing in competition, Objectives of product pricing decision, Importance, Pricing methods, Factors influencing pricing policy.</p>	8
<p>Module- IV</p> <p>Promotion: Introduction, definition, Objectives, Advantages, Advertising and marketing mix, Advertisement and modern world, Application of technology in advertisement and promotion: Internet and its application, Web advertising, classified advertising, Banners, e-mail. Sales promotion, types of sales promotion, personal selling- negotiation, publicity, Public relations in hotel industry, Word of mouth, Event management.</p>	8
<p>Module - V</p> <p>Extended Ps: People: - Role of employees in service delivery; Recruitment, selection and training of employees; Relationship marketing. Physical evidence: - Elements of Physical evidence, Maintenance of physical evidence, role of physical evidence. Process: Service blueprint, benefits of service blueprint, building a blueprint, Process and steps in service delivery, Level of customer involvement</p>	8

Textbooks:

1. D. Bowie and F. Buttle, *Hospitality Marketing: Principle and Practices*. UK: Elsevier Butterworth-Heinemann, 2011.
2. K. Prasanna, *Marketing of Hospitality and Tourism Services*. New Delhi: Tata McGraw Hill Education Private Limited, 2010.
3. R. Shankar, *Services Marketing. 1st ed.*, New Delhi: Excel Books, 2009.
4. Valarie A. Zeithaml and M. J. Bitner, *Services Marketing. 2nd ed.*, New Delhi: Tata Mc Grow Hill, 2001.
5. James C. Maken, P. Kotler and John T. Bowen, *Marketing for Tourism and Hospitality. 4th ed.*, New Jersey: Pearson Education, 2005.

References books:

1. Robert D. Reid and David C. Bojanic, *Hospitality Marketing Management. 6th ed.*, New York: John Wiley & Sons, 2016.
2. S. Dickman, *Tourism and Hospitality Marketing*. New Delhi: Oxford university Press, 1999.
3. Michael L. Kasavana and John J. Cahil, *Managing Computers in the Hospitality Industry. 2nd ed.*, New York: AHMA, 1992.
4. P. Greenberg, *CRM at the Speed of Light. 4th ed.*, New Delhi: Tata McGraw Hill, 2010.

Gaps in the syllabus (to meet Industry/Profession requirements) - Nil

POs met through Gaps in the Syllabus - N/A

Topics beyond syllabus/Advanced topics/Design - N/A

POs met through Topics beyond syllabus/Advanced topics/Design – N/A

Course Outcome (CO) Attainment Assessment tools & Evaluation procedure

Direct Assessment

Assessment Tool	% Contribution during CO Assessment
First Quiz	10
Mid Semester Examination	25
Second Quiz	10
Teacher’s Assessment	5
End Semester Examination	50

Indirect Assessment

1. Student’s Feedback on Course Outcome.

Mapping of Course Outcomes onto Program Outcomes

Course Outcome	Program Outcomes (POs)												Program Specific Outcomes (PSOs)		
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
CO1	3	3	3	3	2	3	3	3	3	3	3	3	3	2	3
CO2	3	3	3	3	3	2	2	3	3	2	3	3	3	2	3
CO3	3	3	3	3	3	2	3	3	3	2	3	2	3	3	3
CO4	3	3	3	3	3	3	2	2	2	3	2	3	3	3	3
CO5	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3

Correlation Levels 1, 2 or 3 as defined below:

1: Slight (Low) 2: Moderate (Medium) 3: Substantial (High)

Mapping Between COs and Course Delivery (CD) methods

CD Code	Course Delivery Methods	Course Outcome	Course Delivery Method Used
CD1	Lecture by use of Boards/LCD Projectors	CO1	CD1, CD8
CD2	Tutorials/Assignments	CO2	CD1, CD8
CD3	Seminars	CO3	CD1, CD8
CD4	Mini Projects/Projects	CO4	CD1, CD8
CD5	Laboratory Experiments/Teaching Aids	CO5	CD1, CD8
CD6	Industrial/Guest Lectures		
CD7	Industrial Visits/In-plant Training		
CD8	Self- learning such as use of NPTEL Materials and Internets		
CD9	Simulation		

Course code: HM 323
Course title: Tourism Management
Pre-requisite(s): NIL
Co-requisite(s): NIL
Credits: 3 L:3 T: P:
Class schedule per week: 03
Class: UG ALL – Open elective
Semester/Level: Fifth/Third
Branch: ALL
Name of Teacher:

Course Objectives

This course envisions to impart to students to:

1.	Understand the meaning and concepts of Hospitality Industry.
2.	Learn between forms and types of tourism.
3.	Provide between hospitality and non-hospitality goods.
4.	Know the various career prospects in hotel and tourism industry.
5.	Apply the different techniques in tour operations.

Course Outcomes

After the completion of this course, students will be able to:

CO1	Identify the meaning and concepts of hospitality and tourism.
CO2	Interpret the forms and types of tourism.
CO3	Develop the insight of hospitality and tourism products
CO4	Conceptualize the various aspects of hospitality and tourism sector
CO5	Illustrate different career opportunities in hospitality and tourism industry

SYLLABUS

MODULE	(NO. OF LECTURE HOURS)
<p>Module – I</p> <p>Meaning and Nature of Tourism: Meaning and Nature of Tourism, The Historical Perspective of Tourism, The economic, social and cultural significance of tourism, tourist, Excursionist, Tourism Market, Tourism Resources, Tourism Product, Destination, Recreation, Pleasure, Relaxation.</p> <p>Inter–regional and intra–regional tourism, Inbound and Outbound tourism, Domestic, International tourism. Forms of Tourism: religious, historical, social, adventure, health, business, conferences, conventions, incentives, sports and adventure, senior tourism, special interest tourism like culture or nature oriented, ethnic or ‘roots’ tourism and VFR.</p>	8
<p>Module – II</p> <p>Culture and Hospitality of India: A brief introduction of Indian culture, architecture, dances & music, fair & festivals. Facilitators of Tourism: Accommodation - types of accommodation, classification of accommodation, Transportation: Types and Relevance in Tourism, Characteristics and Components of Tourism Industry. Why it is different from other types of consumer product? Concept, origin and growth of Hospitality Industry, Hospitality as an industry & linkages with other industries, role in global and Indian economy. External environment and hospitality industry, Characteristics of the hospitality Industry. Major hotel chains operating in India. Future trends in Hospitality Industry.</p>	8
<p>Module – III</p> <p>Organization structure of hospitality: Organization structure & Department in hotels; Basic of Front office, Housekeeping, Food and Beverage (service & production), Engineering & Maintenance, Security, Human Resource dept., Sales & Marketing, Purchase & Stores, Accounts. Ancillary services, support services.</p>	8
<p>Module – IV</p> <p>Distribution channel: Meaning & definition, Functions & levels of distribution channels, Major hospitality distribution channels - Travel agents, Tour operators, Consortia and reservation system, Global Distribution System (GDS), Internet.</p>	8
<p>Module – V</p> <p>Supporting component of Tourism Industry: Hotels & Resorts, Restaurants & Commercial food services, Meeting & Event planning, Destination Managements companies (DMCs), Airlines, Cruises, etc.</p>	8

Textbooks:

1. Roday, Biswal, Joshi, *Tourism – Operations and Management*, Oxford Publications, 2010.
2. John R. Walker, *Introduction to Hospitality Management*, 2e, Pearson Education, 2008.

Reference books:

1. Sudhir Andrews, *Introduction to Tourism and Hospitality*, Tata McGraw Hill, 2010.
2. Charles R. Goeldner, *Tourism principles, practices, philosophies*, John Wiley Pub, 2007.
3. A. K. Bhatia, *International Tourism*, Sterling Publications, 2006.
4. P. N. Seth, *Introduction to Hospitality*, Sterling Publications, 2001.

Gaps in the syllabus (to meet Industry/Profession requirements) - Nil

POs met through Gaps in the Syllabus - N/A

Topics beyond syllabus/Advanced topics/Design - N/A

POs met through Topics beyond syllabus/Advanced topics/Design – N/A

Course Outcome (CO) Attainment Assessment tools & Evaluation procedure

Direct Assessment

Assessment Tool	% Contribution during CO Assessment
First Quiz	10
Mid Semester Examination	25
Second Quiz	10
Teacher's Assessment	5
End Semester Examination	50

Indirect Assessment

1. Student's Feedback on Course Outcome.

Mapping of Course Outcomes onto Program Outcomes

Course Outcome	Program Outcomes (POs)												Program Specific Outcomes (PSOs)		
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
CO1	3	3	2	1	2	2	2	1	1	2	3	2	3	2	1
CO2	3	3	3	3	3	3	1	1	3	2	2	3	3	1	3
CO3	3	2	3	2	2	2	3	2	3	3	3	2	3	2	3
CO4	3	2	2	2	3	3	2	3	2	3	1	3	3	1	2
CO5	3	3	1	3	3	2	2	1	2	3	3	2	3	2	1

Correlation Levels 1, 2 or 3 as defined below:

1: Slight (Low) 2: Moderate (Medium) 3: Substantial (High)

Mapping Between COs and Course Delivery (CD) methods

CD Code	Course Delivery Methods	Course Outcome	Course Delivery Method Used
CD1	Lecture by use of Boards/LCD Projectors	CO1	CD1, CD8
CD2	Tutorials/Assignments	CO2	CD1, CD8
CD3	Seminars	CO3	CD1, CD8
CD4	Mini Projects/Projects	CO4	CD1, CD8
CD5	Laboratory Experiments/Teaching Aids	CO5	CD1, CD8
CD6	Industrial/Guest Lectures		
CD7	Industrial Visits/In-plant Training		
CD8	Self- learning such as use of NPTEL Materials and Internets		
CD9	Simulation		

Course code: HM 324
Course title: Consumer Behaviour
Pre-requisite(s): NIL
Co- requisite(s): NIL
Credits: 3 L: 3 T: P:
Class schedule per week: 03
Class: UG ALL – Open elective
Semester / Level: Fifth/Third
Branch: ALL
Name of Teacher:

Course Objectives

This course envisions to impart to students to:

1.	Understand the importance of Consumer Behaviour
2.	Explain Target segmentation
3.	Understand Consumer Decision making
4.	Explain the process of communication
5.	Understand the importance of opinion Leadership

Course Outcomes

After the completion of this course, students will be able to:

CO1	Explain the importance of Consumer Behaviour.
CO2	Evaluate target market.
CO3	Explain stages in Consumer Decision Making Process.
CO4	Explain component of communication process
CO5	Understand characteristic of opinion leadership.

SYLLABUS

MODULE	(NO. OF LECTURE HOURS)
<p>Module – I</p> <p>Introduction to Study of Consumer Behaviour: Defining Consumer Behaviour, why study Consumer Behaviour, Nature and scope of Consumer Behaviour, Consumer Behaviour and the Marketing Concept: Production concept, selling concept, Marketing Concept, Societal Marketing Concept, Holistic Marketing Concept. Customer, Client and Consumer. The changing market scenario, Application of Consumer Behaviour.</p>	8
<p>Module- II</p> <p>Market Segmentation and Positioning: Aggregate Marketing and Market segmentation, Target Marketing, Market Segmentation: Alternative level of Segmentation, Basis of segmentation. Targeting, Viability of the segment, Evaluation and Selection of target markets: Pattern of target market selection. Positioning & Positioning strategies</p>	8
<p>Module – III</p> <p>Consumer Decision Making Process: Decision Making, Consumer decision making, Level of consumer decision making, buying roles, Consumer Decision Making process: Stages in consumer decision making process. Models of Consumer Behaviour: General Model, Basic Model and specific Model.</p>	8
<p>Module- IV</p> <p>Consumer Communication: Meaning and definition of Consumer Communication, Component of the communication process, Models of communication, consumer communication process: Sender, Medium, Receiver, Feedback. Designing a communication strategy: Objective of communication, Target Audience, Message, Media, Feedback. Integrated Marketing communication and models of communication strategy.</p>	8
<p>Module - V</p> <p>Interpersonal Communication and Influence of Opinion Leader: Word of Mouth communication, Dynamic word of mouth communication, Electronic word of Mouth, Opinion Leader and Opinion Leadership, Motive behind opinion leadership, Dynamics of the opinion leadership process, Measurement of Opinion Leadership, Trait and characteristics of Opinion Leaders.</p>	8

Textbooks:

1. Sangeeta Sahney, *Consumer Behaviour*, Oxford University Press, 2017

Reference Books:

1. Rajneesh Kumar, *Consumer Behaviour*, Oxford Publication, 2014.

Gaps in the syllabus (to meet Industry/Profession requirements) - Nil

POs met through Gaps in the Syllabus - N/A

Topics beyond syllabus/Advanced topics/Design - N/A

POs met through Topics beyond syllabus/Advanced topics/Design – N/A

Course Outcome (CO) Attainment Assessment tools & Evaluation procedure

Direct Assessment

Assessment Tool	% Contribution during CO Assessment
First Quiz	10
Mid Semester Examination	25
Second Quiz	10
Teacher's Assessment	5
End Semester Examination	50

Indirect Assessment

1. Student's Feedback on Course Outcome.

Mapping of Course Outcomes onto Program Outcomes

Course Outcome	Program Outcomes (POs)												Program Specific Outcomes (PSOs)		
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
CO1	2	2	2		1	2	2	2				1	2	2	
CO2	2	2	2		2	1	2	2				1	2	2	
CO3	2	2	2		1	1	2	2		2		1	2	2	
CO4	2	2	2		1	3	2	2				1	2	1	
CO5	2	2	2		2	2	2	2		1		1	2	1	

Correlation Levels 1, 2 or 3 as defined below:

- 1: Slight (Low) 2: Moderate (Medium) 3: Substantial (High)

Mapping Between COs and Course Delivery (CD) methods

CD Code	Course Delivery Methods	Course Outcome	Course Delivery Method Used
CD1	Lecture by use of Boards/LCD Projectors	CO1	CD1, CD8
CD2	Tutorials/Assignments	CO2	CD1, CD8
CD3	Seminars	CO3	CD1, CD8
CD4	Mini Projects/Projects	CO4	CD1, CD8
CD5	Laboratory Experiments/Teaching Aids	CO5	CD1, CD8, CD2
CD6	Industrial/Guest Lectures		
CD7	Industrial Visits/In-plant Training		
CD8	Self- learning such as use of NPTEL Materials and Internets		
CD9	Simulation		

COURSE INFORMATION SHEET

Course code: HM325
Course title: Hotel Entrepreneurship
Pre-requisite(s): NIL
Co- requisite(s): NIL
Credits: 3 L: 3 T: P:
Class schedule per week: 03
Class: UG ALL- Open Elective
Semester / Level: Fifth/Third
Branch: ALL
Name of Teacher:

Course Objectives

This course envisions to impart to students to:

1.	Recognise opportunities in entrepreneurship.
2.	Do feasibility analysis for a start-up.
3.	Highlight the reality faced in entrepreneurship.
4.	Learn from missteps taken by an entrepreneur.
5.	To partner effectively with attributes of successful entrepreneurial firms.

Course Outcomes

After the completion of this course, students will be able to:

CO1	Explain the concept of entrepreneur and entrepreneurship.
CO2	Interpret the perspectives of the entrepreneurial function.
CO3	Develop a business plan for a start-up.
CO4	Apply the various practices to manage the enterprise.
CO5	Apply the various practices to grow the enterprise.

SYLLABUS

MODULE	(NO. OF LECTURE HOURS)
<p>Module – I</p> <p>Decision to become an entrepreneur : Introduction to entrepreneurship-definition, entrepreneur, characteristics, common myths; entrepreneurship’s importance-economic impact, impact on society, impact on larger firms; entrepreneurial process-decision to become an entrepreneur, developing successful business ideas, moving from an idea to entrepreneurial firm, managing and growing an entrepreneurial firm.</p>	8
<p>Module- II</p> <p>Developing successful business ideas: Recognising opportunities and generating ideas-identifying and recognising opportunities, solving a problem, personal characteristics; Techniques for generating ideas-brainstorming, focus group, survey; Encouraging and protecting new ideas-establishing focal point, encouraging creativity, protecting new idea; Feasibility analysis-Product/service, industry/market, organisational, financial; Industry and competitor analysis-types of hotels, importance of hotel industry, Porter’s Five Forces, identifying competitors, competitive analysis grid; Developing an effective business model-business model, components.</p>	8
<p>Module – III</p> <p>Moving from an idea to entrepreneurial firm: Building a new venture team-creating, founder, recruitment, professional advisor; Assessing a new venture’s financial strength and viability-financial management, financial statements and forecasts, pro forma financial statements; Preparing the proper ethical and legal foundation-Initial ethical and legal issues facing a new firm-departing from employer, choosing attorney, founders’ agreement, avoiding legal disputes; Form of business organisation-sole proprietorship, partnership, corporation, LLC; Writing a business plan-importance, outline, investors; Getting financing or funding-importance, source of equity funding, debt financing; creative sources-leasing, grants, strategic partners.</p>	8
<p>Module- IV</p> <p>Managing an entrepreneurial firm: Unique Marketing Issues-Market segmentation, Target marketing, Positioning, Benefits and features, Branding, 4P’s of marketing; Importance of intellectual property-Patents, Trademarks, Copyrights, Trade secrets, IP audit.</p>	8
<p>Module - V</p> <p>Growing an Entrepreneurial firm: Preparing for and evaluating the challenges of growth-preparing for growth, challenges of growth, attributes of successful growth firms; Strategies for firm growth-internal growth strategies, external growth strategies; Franchising-definition, establishing franchise system, buying a franchise, legal aspects of franchise relationship.</p>	8

Textbooks:

1. Barringer & Ireland, *Entrepreneurship: Successfully Launching New Ventures*, Pearson, 2016

Reference Books:

1. S. S. Khanka, *Entrepreneurial Development*, S. Chand, 2012.
2. A. K. Singh, *Entrepreneurship Development and Management*, University Science Press, 2006.
3. Arduser & Brown, *The Professional Caterer's Handbook: How to open a financially successful Bed and Breakfast or small hotels*, Atlantis Publication, 2006.
4. J. Negi, *Hotel and tourism laws*, Frank Brothers, 2012.

Gaps in the syllabus (to meet Industry/Profession requirements)

1. When and how to decide to take up an entrepreneurial route?

POs met through Gaps in the Syllabus

2, 3, 5, 7, 8

Topics beyond syllabus/Advanced topics/Design - N/A

POs met through Topics beyond syllabus/Advanced topics/Design – N/A

Course Outcome (CO) Attainment Assessment tools & Evaluation procedure

Direct Assessment

Assessment Tool	% Contribution during CO Assessment
First Quiz	10
Mid Semester Examination	25
Second Quiz	10
Teacher's Assessment	5
End Semester Examination	50

Indirect Assessment

1. Student's Feedback on Course Outcome.

Mapping of Course Outcomes onto Program Outcomes

Course Outcome	Program Outcomes (POs)												Program Specific Outcomes (PSOs)		
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
CO1	3	3	3	1	1	1	2	1	1	2	3	2	3	2	1
CO2	3	3	3	3	3	3	2	1	3	2	1	3	3	2	3
CO3	3	3	3	2	1	2	2	2	3	3	3	2	3	2	3
CO4	3	3	3	3	3	3	2	3	2	3	2	3	3	2	2
CO5	3	3	1	2	3	2	2	1	2	3	3	2	3	2	1

Correlation Levels 1, 2 or 3 as defined below:

1: Slight (Low) 2: Moderate (Medium) 3: Substantial (High)

Mapping between COs and Course Delivery (CD) methods

CD Code	Course Delivery Methods	Course Outcome	Course Delivery Method Used
CD1	Lecture by use of Boards/LCD Projectors	CO1	CD1, CD8
CD2	Tutorials/Assignments	CO2	CD1, CD8
CD3	Seminars	CO3	CD1, CD2, CD8
CD4	Mini Projects/Projects	CO4	CD1, CD2, CD8
CD5	Laboratory Experiments/Teaching Aids	CO5	CD1, CD2, CD8
CD6	Industrial/Guest Lectures		
CD7	Industrial Visits/In-plant Training		
CD8	Self- learning such as use of NPTEL Materials and Internets		
CD9	Simulation		

COURSE INFORMATION SHEET

Course code: HM326
Course title: Event Management
Pre-requisite(s): NIL
Co- requisite(s): NIL
Credits: 3 L: 3 T: P:
Class schedule per week: 03
Class: UG ALL- Open elective
Semester / Level: Fifth/Third
Branch: ALL
Name of Teacher:

Course Objectives

This course envisions to impart to students to:

1.	Understand the basic concepts of events.
2.	Understand designing and planning part of an event.
3.	Get the legal know-how of managing an event.
4.	Get the technical know-how of managing an event.
5.	Understand various risks involved during an event.

Course Outcomes

After the completion of this course, students will be able to:

CO1	Identify different categories of Events and Develop & Manage teams for such events.
CO2	Conceptualize design and planning of events.
CO3	Analyse feasibility of an event and Apply relevant legislative acts to organize such events.
CO4	Manage operations & logistics of an event and Develop marketing & promotional tools for that event.
CO5	Identify risks involved in an event and Illustrate different risk management & control procedures applied there.

SYLLABUS

MODULE	(NO. OF LECTURE HOURS)
Module – I Introduction to Event Management: Meaning of event, Size of events, Types of events, MICE- Meetings, Incentives, Conferencing and Exhibitions/Expositions; Event team, Staffing and Leadership: Organization chart and job description, Recruitment and selection, Training and development.	8
Module- II Concept Design and Planning: Developing and analysing the concept, designing the event, Logistics of the concept, Establish the aims and objectives of the event, planning tools.	8
Module – III Feasibility and Legal Compliance: Key to success, SWOT Analysis, Budget, Relevant Legislation and Trade Act, Liquor licensing, Contracts, Stake holders and official bodies.	8
Module- IV Marketing, Operations and Logistics: Nature and process of event management, Marketing Mix, Pricing/Sponsorship, Image/Branding, Promotion – Advertising, Publicity and Public relations, Logistics, Policies, Procedure and performance standards, Functional areas, Choosing the event site and theme, providing services – Catering, Accommodation and environment, Protocol, Titles and Dress, General rules.	8
Module - V Risk Management and Control: Risk, Process and standards for Risk Management, Safety and security, Crowd management plan, Operational monitoring and control system, Leadership and staff motivation, Time management.	8

Textbooks:

1. Wagen, *Event Management*, Pearson, 2002.
2. Harichandan and Musgrve, *Event Management*, Global Vision Publishing House, 2017.

Reference Books:

4. Fenich, *Meetings, Expositions, Events and Conventions: An Introduction to the Industry*, Pearson, 2016.
5. Sayre, *Entertainment Marketing and Communication: Selling Branded Performance, People and Places*, Pearson, 2008.
6. Gaur and Saggere, *Event Marketing and Management*, Vikas Publishing House Pvt. Ltd, 2018.
7. Sople, *Logistics Management*, Pearson, 2012.
8. Mathur, *Brand Management*, Trinity, 2014.

Gaps in the syllabus (to meet Industry/Profession requirements) - Nil

POs met through Gaps in the Syllabus - N/A

Topics beyond syllabus/Advanced topics/Design - N/A

POs met through Topics beyond syllabus/Advanced topics/Design – N/A

Course Outcome (CO) Attainment Assessment tools & Evaluation procedure

Direct Assessment

Assessment Tool	% Contribution during CO Assessment
First Quiz	10
Mid Semester Examination	25
Second Quiz	10
Teacher’s Assessment	5
End Semester Examination	50

Indirect Assessment

1. Student’s Feedback on Course Outcome.

Mapping of Course Outcomes onto Program Outcomes

Course Outcome	Program Outcomes (POs)												Program Specific Outcomes (PSOs)		
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
CO1	3	3	3	1	3	1	1	1	1	2	3	2	3	2	1
CO2	3	3	3	3	3	3	1	1	3	2	1	3	3	2	3
CO3	3	3	3	2	3	2	1	2	3	3	3	2	3	2	3
CO4	3	3	3	3	3	3	2	3	2	3	2	3	3	2	2
CO5	3	3	1	2	3	2	1	1	2	3	3	2	3	2	1

Correlation Levels 1, 2 or 3 as defined below:

- 1: Slight (Low) 2: Moderate (Medium) 3: Substantial (High)

Mapping between COs and Course Delivery (CD) methods

CD Code	Course Delivery Methods	Course Outcome	Course Delivery Method Used
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CD1	Lecture by use of Boards/LCD Projectors	CO1	CD1, CD8
CD2	Tutorials/Assignments	CO2	CD1, CD8
CD3	Seminars	CO3	CD1, CD2, CD8
CD4	Mini Projects/Projects	CO4	CD1, CD2, CD8
CD5	Laboratory Experiments/Teaching Aids	CO5	CD1, CD2, CD8
CD6	Industrial/Guest Lectures		
CD7	Industrial Visits/In-plant Training		
CD8	Self- learning such as use of NPTEL Materials and Internets		
CD9	Simulation		

COURSE INFORMATION SHEET

Course code:

HM 219

Course title: Fundamentals of Hospitality & Tourism
Pre-requisite(s): NIL
Co-requisite(s): NIL
Credits: 2 L:2 T: P:
Class schedule per week: 03
Class: UG ALL – Minor Breadth
Semester/Level: Fifth/Second
Branch: HMCT
Name of Teacher:

Course Objectives

This course envisions to impart to students to:

1.	Introduce and familiarize the concept of tourism & hospitality.
2.	Elaborate the origin of tourism & hospitality.
3.	Elucidate the various travel motivations and components of tourism & hospitality.
4.	Analyse the various impacts of tourism & hospitality.
5.	Interpret the applications of tourism and hospitality products.

Course Outcomes

After the completion of this course, students will be able to:

CO1	Describe the meaning and concepts of tourism and hospitality.
CO2	Interpret the origin of tourism and hospitality.
CO3	Explain the various components of tourism and hospitality.
CO4	Conceptualize the various aspects of motivations & feasibility of hospitality and tourism sector
CO5	Illustrate different impacts of tourism and hospitality.

SYLLABUS

MODULE	(NO. OF LECTURE HOURS)
<p>Module – I</p> <p>Nature and Concept of Tourism & Hospitality: Definition, Origin and growth of tourism; Characteristics of Tourism, Interrelationships and classifications Tourism System; Typologies of tourists, Distinction between travellers, visitor, tourists, excursionists and transit visitor. History of Tourism, Famous Travelers –Tourism Deterrents War, Political and Civil Unrest, Inadequate Facilities, Non-Accessibility, International and national growth; Development of tourism in India, Sargent committee, Tourist Information offices, Formation of Ministry of Tourism, Setting up of Department of Tourism, developments that have taken place, and the present position.</p>	8
<p>Module – II</p> <p>Approaches to the study of Tourism: Product approach, institutional approach, managerial approach, geographical approach, sociological approach, historical approach, economic approach, inter-disciplinary approach.</p> <p>Sociology of tourism; Effects on the individual, effects on the family, effects on the society, life characteristics and travel, emergence of group travel patterns, social(subsidized)tourism, Barriers to travel.</p>	8
<p>Module – III</p> <p>Travel Motivations: Purpose of travel, travel for business, travel for pleasure, romance of pleasure travel, changing perspective of pleasure, need for change, travel for health, travel for seeking knowledge, Tourist learning process, motivation for travelling/ tourism, tourists with no or constrained choice, studies on travel motivations, Gray’s interpretations, Lundberg’s View; Educational and cultural motives, relaxation and pleasure, ethnic and others, MacIntosh Categorization, Robinson’s Classifications; relaxation and refreshment of body and mind, health, pleasure, curiosity and culture, Interpersonal reasons, spiritual purpose, Professional or Business reasons, Maslow’s Hierarchy of needs model and travel motivations, Travel Motivations as related to Demographics.</p>	8
<p>Module – IV</p> <p>Components of Tourism & Hospitality: Major and Minor Components of Tourism: Attraction, Accommodation, Accessibility, Amenities, Activities; Ancillary components; geographical elements, Types of Travel: Leisure, Cultural Tourism, VFR, Corporate, Incentive, Wildlife, Adventure, Pilgrimage, Education, Ecotourism, Study and analysis, International – Domestic – Regional Tours Tourism Components and Supply; Supply components, Natural resources, Built environments, Operating sectors, Matching supply with demand.</p>	8
<p>Module – V</p>	8

<p>Impacts of Tourism & Hospitality: Economic- The generation of economic impacts by tourist spending, leakages of expenditure, out of local economy, measurement of economic impact, multiplier concept, types of multiplier, methodological approaches, weakness and limitations of multiplier model, policy implication of multiplier analysis. Environmental Impacts- Environmental impact assessment, EIA process, environmental auditing, environmental action programmes. Socio- Cultural Impacts- Nature of socio-cultural impact of tourism approaches to the study of socio-cultural impact of tourism, tourism developmental process, psychological basis of tourism development, sociological basis of tourism development, general negative socio- cultural impacts of tourism, specific negative socio-cultural impacts of tourism, general positive socio-cultural impacts associated with tourism, methods of measuring the socio- cultural impacts of tourism.</p>	
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Textbooks:

1. Walker, R., & Harding, K, *Tourism*, Oxford University Press,2010.
2. John R.Walker, *Introduction to Hospitality Management*, 2e, Pearson Education, 2008.
3. Robinson, P., Luck, M., & Smith, S. L. *Tourism*, Wallingford, Oxfordshire: CABI, 2013.

Reference books:

1. Hannam, K., & Ateljevic, I. *Backpacker Tourism: Concepts and profiles*, Clevedon, UK: Channel view publications, 2007.
2. Charkes R. Goeldner, *Tourism principles, practices, philosophies*, John Wily Pub, 2007.
3. Roday, Biswal, Joshi, *Tourism – Operations and Management*, Oxford Publications,2010
4. P. N. Seth, *Introduction to Hospitality*, Sterling Publications, 2001.
5. A. K. Bhatia, *International Tourism*, Sterling Publications, 2010.

Gaps in the syllabus (to meet Industry/Profession requirements): Nil

POs met through Gaps in the Syllabus: -N/A

Topics beyond syllabus/Advanced topics/Design: -N/A

POs met through Topics beyond syllabus/Advanced topics/Design: -N/A

Course Outcome (CO) Attainment Assessment tools & Evaluation procedure

Direct Assessment

Assessment Tool	% Contribution during CO Assessment
First Quiz	10
Mid Semester Examination	25
Second Quiz	10
Teacher’s Assessment	5
End Semester Examination	50

Indirect Assessment

1. Student's Feedback on Course Outcome.

Mapping of Course Outcomes onto Program Outcomes

Course Outcome	Program Outcomes (POs)												Program Specific Outcomes (PSOs)		
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
CO1	3	3	3	2	2	1	2	1	1	2	3	2	3	2	3
CO2	3	3	2	2	3	3	3	1	3	1	1	1	3	2	3
CO3	3	2	1	2	2	2	2	2	3	3	3	3	3	2	3
CO4	3	3	3	3	3	3	2	3	2	2	2	3	3	2	2
CO5	3	1	2	3	3	2	1	1	2	3	3	2	3	1	2

Correlation Levels 1, 2 or 3 as defined below:

- 1: Slight (Low) 2: Moderate (Medium) 3: Substantial (High)

Mapping Between COs and Course Delivery (CD) methods

CD Code	Course Delivery Methods	Course Outcome	Course Delivery Method Used
CD1	Lecture by use of Boards/LCD Projectors	CO1	CD1, CD8
CD2	Tutorials/Assignments	CO2	CD1, CD8
CD3	Seminars	CO3	CD1, CD8
CD4	Mini Projects/Projects	CO4	CD1, CD8
CD5	Laboratory Experiments/Teaching Aids	CO5	CD1, CD8
CD6	Industrial/Guest Lectures		
CD7	Industrial Visits/In-plant Training		
CD8	Self- learning such as use of NPTEL Materials and Internets		
CD9	Simulation		

COURSE INFORMATION SHEET

Course code: HM 220
Course title: Food Production
Pre-requisite(s): NIL
Co- requisite(s): Food Production Practical HM 222
Credits: 3 L: 3 T: P:
Class schedule per week: 03
Class: UG ALL- Minor Breadth
Semester / Level: Fifth/Second
Branch: ALL
Name of Teacher:

Course Objectives

This course envisions to impart to students to:

1.	Understand various methods of cooking.
2.	Understand meat, fish and egg.
3.	Know the role of different ingredients in Cooking.
4.	Understand Indian regional cuisine.
5.	Understand bakery processes and products

Course Outcomes

After the completion of this course, students will be able to:

CO1	Distinguish the various methods of cooking.
CO2	Classify meat, fish and egg.
CO3	Illustrate the use of different ingredients in cooking.
CO4	Evaluate Indian regional cuisine.
CO5	Explain basic bakery processes and products.

SYLLABUS

MODULE	(NO. OF LECTURE HOURS)
Module – I Methods of Cooking Objective of cooking, methods of cooking (moist, dry, combination method), microwave cooking-advantage & disadvantage, Effect of cooking on food nutrients.	8
Module- II Meat, Fish and Egg Beef, pork, lamb, poultry, game, fish and shellfish, egg – structure, composition, classification, cuts, selection and their uses, buying points, food value, storage.	8
Module – III Uses of Ingredients in Cooking Cereals, pulses, vegetables, fruits, milk and milk products – cheese, raising agents, setting agents, leavening agents, flavours, colouring agents and foundation ingredients. use of wine and herbs, <i>mise-en-place</i> - masalas, pastes, gravies etc.	8
Module- IV Indian Regional Cooking Introduction, factors affecting eating habits, staple diet, historical and geographical background, availability of raw material, special equipment & fuel and popular festival foods.	8
Module - V Basic Bakery Ingredients and their role, Bread Making- steps, methods, Various pastes- puff, choux, short crust and Danish, Cake making- methods, Icing.	8

Textbooks:

1. K G Dubey, *The Indian Cuisine*, PHI, 2013
2. Parvinder S. Bali, *Food Production Operations*, Oxford University Press, 2014
3. K Arora, *Theory of Cookery*, Frank Brothers, 2009
4. Y. Ashok Kumar, *Textbook of bakery and confectionary*, PHI, 2012

Reference Books:

1. S. C. Dubey, *Bakery & Confectionery*, Society of Indian Bakers, 2012
2. Philip E. Thangam, *Modern Cookery (Vol-I)*, Orient Longman, 2014
3. Philip E. Thangam, *Modern Cookery (Vol-II)*, Orient Longman, 2014
4. M. Baljekar, *The complete Indian Cookbook*, Om books, 2008
5. J Kalra and P. D. Gupta, *Prasad: Cookery with Indian masters*, Allied Publishers, 2016

Gaps in the syllabus (to meet Industry/Profession requirements) - Nil

POs met through Gaps in the Syllabus - N/A

Topics beyond syllabus/Advanced topics/Design - N/A

POs met through Topics beyond syllabus/Advanced topics/Design – N/A

Course Outcome (CO) Attainment Assessment tools & Evaluation procedure

Direct Assessment

Assessment Tool	% Contribution during CO Assessment
First Quiz	10
Mid Semester Examination	25
Second Quiz	10
Teacher's Assessment	5
End Semester Examination	50

Indirect Assessment

1. Student's Feedback on Course Outcome

Mapping of Course Outcomes onto Program Outcomes

Course Outcome	Program Outcomes (POs)												Program Specific Outcomes (PSOs)		
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
CO1	3	2	3	2	2			2	2	2	2	3	3	3	2
CO2	3	2	3	2	2			2	2	2		3	3	3	2
CO3	3	2	3	2	2			2	2	2		3	3	3	2
CO4	3	2	3	2	2			2	2	2	3	3	3	3	2
CO5	3	2	3	2	2			2	2	2		3	3	3	2

Correlation Levels 1, 2 or 3 as defined below:

- 1: Slight (Low) 2: Moderate (Medium) 3: Substantial (High)

Mapping Between COs and Course Delivery (CD) methods

CD Code	Course Delivery Methods	Course Outcome	Course Delivery Method Used
CD1	Lecture by use of Boards/LCD Projectors	CO1	CD1, CD8
CD2	Tutorials/Assignments	CO2	CD1, CD8
CD3	Seminars	CO3	CD1, CD8, CD2
CD4	Mini Projects/Projects	CO4	CD1, CD8, CD2
CD5	Laboratory Experiments/Teaching Aids	CO5	CD1, CD8, CD2
CD6	Industrial/Guest Lectures		
CD7	Industrial Visits/In-plant Training		
CD8	Self- learning such as use of NPTEL Materials and Internets		
CD9	Simulation		

COURSE INFORMATION SHEET

Course code: HM221
Course title: Food & Beverage Service
Pre-requisite(s): NIL
Co- requisite(s): HM223 Food & Beverage Service Practical
Credits: 3 L: 3 T: P:
Class schedule per week: 03
Class: UG ALL – Minor Breadth
Semester / Level: Five / Two
Branch: ALL
Name of Teacher:

Course Objectives

This course envisions to impart to students to:

1.	Gain a basic understanding of the food & beverage industry.
2.	Differentiate between various types of F&B outlets.
3.	Learn various types of food & beverage service methods.
4.	Learn different types of food & beverage service.
5.	Gain a basic understanding of menu & beverage.

Course Outcomes

After the completion of this course, students will be able to:

CO1	Classify food & beverage sector.
CO2	Differentiates between various types of food & beverage outlets.
CO3	Differentiate between different food and beverage service methods.
CO4	Design and analyze menu for food service establishments.
CO5	Classify beverage.

SYLLABUS

MODULE	(NO. OF LECTURE HOURS)
Module – I The Hotel & Catering Industry: Introduction to the hotel industry & the growth of the hotel industry in India, role of catering establishment in the travel/tourism industry. Classification of F & B sector, commercial and welfare catering.	8
Module- II Food & Beverage Service Areas (F & B Outlets): Specialty restaurants, Coffee Shop, Cafeteria, Fast food (Quick service restaurant), Grill room, Banquet, Bar, Bistro, Brasserie, Executive lounge, Vending machines, Discotheque, Night club.	8
Module – III Food & Beverage Service Methods: Table Service- Silver/English Service, American, Butler/ French, Russian, Self Service- Buffet & Cafeteria. Single Point Service-Take Away, Vending, Kiosk, Food Courts & Bars.	8
Module- IV Menu Planning & Management: Introduction, Types of Menu, Menu Planning Considerations & Constraints, Menu Costing and Pricing, Menu Merchandising, Menu Engineering, Menu Fatigue, Menu as an In-House Marketing Tool.	8
Module - V Beverage: Non-Alcoholic Beverage: Definition, Classification and Characteristics of each type of non-alcoholic beverage. Alcoholic Beverage: Introduction & definition, Classification, Production of fermented & distilled beverage and brief description of each type of alcoholic beverage.	8

Textbooks:

1. Lillicrap Dennis R., *Food & Beverage Service*, Hodder Arnold Publication, 2006.
2. Singaravelavan R. *Food & Beverage Services*, Oxford Publications, 2011.
3. Michael L. Kasavana, Donald I. Smith. *Menu Engineering: A Practical Guide to Menu Analysis*, Hospitality Pub, 1990.

Reference books:

1. Dhawan V. *Food & Beverage Service*, Franc Brothers, 2008.
2. Walker R. John, *The Restaurant (From Concept to Operation)*, Wiley, 2018
3. Andrioli, Sergio, Douglas, Peter, *Professional Food Service*, Heinemann Professional, 1990.
4. Kotschevar H. Lendal, Withrow Diane. *Management by Menu*, Wiley Publication, 2008.

Gaps in the syllabus (to meet Industry/Profession requirements) - Nil

POs met through Gaps in the Syllabus - N/A

Topics beyond syllabus/Advanced topics/Design - N/A

POs met through Topics beyond syllabus/Advanced topics/Design– N/A

Course Outcome (CO) Attainment Assessment tools & Evaluation procedure

Direct Assessment

Assessment Tool	% Contribution during CO Assessment
First Quiz	10
Mid Semester Examination	25
Second Quiz	10
Teacher’s Assessment	5
End Semester Examination	50

Indirect Assessment

1. Student’s Feedback on Course Outcome.

Mapping of Course Outcomes onto Program Outcomes

Course Outcome	Program Outcomes (POs)												Program Specific Outcomes (PSOs)		
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
CO1	3	3	2	1	2			1		1	1	2	3	3	1
CO2	3	3	2	1	2			2	1	1	1	2	3	3	2
CO3	3	3	2	2	2	1		2	1	1	2	2	3	3	2
CO4	3	3	3	2	3	3	3	3	3	2	2	1	3	3	2
CO5	3	3	2	2	2							2	3	3	1

Correlation Levels 1, 2 or 3 as defined below:

- 1: Slight (Low) 2: Moderate (Medium) 3: Substantial (High)

Mapping Between COs and Course Delivery (CD) methods

CD Code	Course Delivery Methods	Course Outcome	Course Delivery Method Used
CD1	Lecture by use of Boards/LCD Projectors	CO1	CD1, CD8
CD2	Tutorials/Assignments	CO2	CD1, CD8
CD3	Seminars	CO3	CD1, CD8
CD4	Mini Projects/Projects	CO4	CD1, CD2, CD8
CD5	Laboratory Experiments/Teaching Aids	CO5	CD1, CD2, CD8
CD6	Industrial/Guest Lectures		
CD7	Industrial Visits/In-plant Training		
CD8	Self- learning such as use of NPTEL Materials and Internets		
CD9	Simulation		

COURSE INFORMATION SHEET

Course code: HM 222
Course title: Food Production Practical
Pre-requisite(s): NIL
Co- requisite(s): Food Production HM 220
Credits: 3 L:0 T:0 P:3
Class schedule per week: 1.5
Class: UG ALL- Minor Breadth
Semester / Level: Fifth/Second
Branch: ALL
Name of Teacher:

Course Objectives

This course envisions to impart to students to:

1.	Understand commonly used ingredients and <i>mise-en-place</i> .
2.	Understand methods of cooking.
3.	Understand various Indian masala mixes, pastes and gravies.
4.	Understand Indian regional cuisine.
5.	Understand the basic bakery preparations.

Course Outcomes

After the completion of this course, students will be able to:

CO1	Describe commonly used ingredients in kitchen & different cuts of vegetables and meats.
CO2	Apply various methods of cooking.
CO3	Contrast various Indian masala mixes, pastes and gravies.
CO4	Prepare dishes of Indian regional cuisine.
CO5	Prepare basic bakery and confectionary products.

SYLLABUS

MODULE	(NO. OF PRACTICAL HOURS)
Module – I Cuts and mise en place Handling of tools and equipment, identification of commonly used ingredients in kitchen, cuts of vegetables, fish and poultry, stock preparation	6
Module- II Methods of Cooking Methods of cooking (moist, dry, combination method) – popular dishes from each cooking methods.	9
Module – III Preparations of Indian Masala mixes, pastes and gravies Masala mixes, pastes, basic gravies - makhni, green, white, red, kadhai, achari, yellow, korma gravy, dishes from basic gravies.	6
Module- IV Basic dish preparations Dishes with accompaniments from Indian regional cuisines.	9
Module - V Basic Bakery Fermented dough preparations, cake making with basic icing, basic preparations from various pastes.	9

Textbooks:

1. K G Dubey, *The Indian Cuisine*, PHI, 2013
2. Parvinder S. Bali, *Food Production Foundation*, Oxford University Press, 2014
3. K Arora, *Theory of Cookery*, Frank Brothers, 2009
4. Y. Ashok Kumar, *Textbook of bakery and confectionary*, PHI, 2012

Reference Books:

1. S. C. Dubey, *Bakery & Confectionery*, Society of Indian Bakers, 2012
2. Philip E. Thangam, *Modern Cookery (Vol-I)*, Orient Longman, 2014
3. Philip E. Thangam, *Modern Cookery (Vol-II)*, Orient Longman, 2014
4. M. Baljekar, *The complete Indian Cookbook*, Om books, 2008
5. J Kalra and P. D. Gupta, *Prasad: Cookery with Indian masters*, Allied Publishers, 2016

Gaps in the syllabus (to meet Industry/Profession requirements) - Nil

POs met through Gaps in the Syllabus - N/A

Topics beyond syllabus/Advanced topics/Design - N/A

POs met through Topics beyond syllabus/Advanced topics/Design – N/A

Course Outcome (CO) Attainment Assessment tools & Evaluation procedure

Direct Assessment

Assessment Tool	% Contribution during CO Assessment
Progressive Evaluation	60
End Sem. Evaluation	40

Indirect Assessment

1. Student's Feedback on Course Outcome.

Mapping of Course Outcomes onto Program Outcomes

Course Outcome	Program Outcomes (POs)												Program Specific Outcomes (PSOs)		
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
CO1	3	3	3	2	1	1		2	2	3		3	3	3	2
CO2	3	3	3	2	2	1		2	2	3		3	3	3	2
CO3	3	3	3	2	2	1		2	2	3	3	3	3	3	2
CO4	3	3	3	2	2	1		2	2	3	3	3	3	3	2
CO5	3	3	3	2	2	1		2	2	3		3	3	3	2

Correlation Levels 1, 2 or 3 as defined below:

- 1: Slight (Low) 2: Moderate (Medium) 3: Substantial (High)

Mapping Between COs and Course Delivery (CD) methods

CD Code	Course Delivery Methods	Course Outcome	Course Delivery Method Used
CD1	Lecture by use of Boards/LCD Projectors	CO1	CD5, CD8
CD2	Tutorials/Assignments	CO2	CD5, CD8
CD3	Seminars	CO3	CD5, CD8
CD4	Mini Projects/Projects	CO4	CD5, CD8
CD5	Laboratory Experiments/Teaching Aids	CO5	CD5, CD8
CD6	Industrial/Guest Lectures		
CD7	Industrial Visits/In-plant Training		
CD8	Self- learning such as use of NPTEL Materials and Internets		
CD9	Simulation		

COURSE INFORMATION SHEET

Course code: HM223
Course title: Food and Beverage Service Practical
Pre-requisite(s): NIL
Co-requisite(s): HM221 Food & Beverage service
Credits: 1.5 L T P: 3
Class schedule per week: 03
Class: UG ALL – Minor Breadth
Semester / Level: Fifth / Second
Branch: HMCT
Name of Teacher:

Course Objectives

This course envisions to impart to students to:

1.	Gain a basic understanding of the food & beverage industry.
2.	Understand the use of various types of F&B equipment.
3.	Learn the procedure of cleaning and polishing various types of glassware used in food & beverage service outlets.
4.	Learn various types of napkin folds and organize sideboard for service in a restaurant.
5.	Learn silver service.

Course Outcomes

After the completion of this course, students will be able to:

CO1	Identify different types of service equipment used in a restaurant.
CO2	Demonstrate the procedure of performing silver service in a restaurant.
CO3	Explain the procedures of cleaning & polishing glassware used in a restaurant.
CO4	Demonstrate different types of napkin folds & prepare side boards for service in a restaurant.
CO5	Handle some of the common situations arising in a restaurant.

SYLLABUS

MODULE	(NO. OF PRACTICAL HOURS)
Module – I Identification of equipment. Laying & relaying of tablecloth.	6
Module- II Holding service gear, carrying a tray/ salver. Service of water.	6
Module – III Placing meal plates & clearing soiled plates. Crumbing down.	6
Module- IV Stocking sideboard. Napkin folds.	6
Module - V Changing dirty ash tray. Cleaning & polishing glassware. Situation handling & role play.	9

Textbooks:

1. Singaravelavan R. *Food & Beverage Services*, Oxford Publications, 2011.
2. LillicrapDennis R., *Food & Beverage Service*, Hodder Arnold Publication, 2006.

Reference books:

1. Prasad, Vara, Krishna R. Gopi, *Food & Beverage: F&B Simplified*, Pearson, 2013.
2. Andrioli, Sergio, Douglas, Peter, *Professional Food Service*, Heinemann Professional, 1990.

Gaps in the syllabus (to meet Industry/Profession requirements) - Nil

POs met through Gaps in the Syllabus - N/A

Topics beyond syllabus/Advanced topics/Design - N/A

POs met through Topics beyond syllabus/Advanced topics/Design – N/A

Course Outcome (CO) Attainment Assessment tools & Evaluation procedure

Direct Assessment

Assessment Tool	% Contribution during CO Assessment
Progressive Evaluation	60
End Sem. Evaluation	40

Indirect Assessment

1. Student's Feedback on Course Outcome.

Mapping of Course Outcomes onto Program Outcomes

Course Outcome	Program Outcomes (POs)												Program Specific Outcomes (PSOs)		
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
CO1	3	3	2	2	1	1						3	3	3	1
CO2	3	3	2	1	1	1						3	3	3	1
CO3	3	3	2	2	1							3	3	3	1
CO4	3	3	2		1	1		1				3	3	3	1
CO5	3	3	2	1	3	3	2	3		2	2	3	3	3	1

Correlation Levels 1, 2 or 3 as defined below:

- 1: Slight (Low) 2: Moderate (Medium) 3: Substantial (High)

Mapping Between COs and Course Delivery (CD) methods

CD Code	Course Delivery Methods	Course Outcome	Course Delivery Method Used
CD1	Lecture by use of Boards/LCD Projectors	CO1	CD5, CD8
CD2	Tutorials/Assignments	CO2	CD5, CD8
CD3	Seminars	CO3	CD5, CD8
CD4	Mini Projects/Projects	CO4	CD5, CD8
CD5	Laboratory Experiments/Teaching Aids	CO5	CD5, CD8, CD9
CD6	Industrial/Guest Lectures		
CD7	Industrial Visits/In-plant Training		
CD8	Self- learning such as use of NPTEL Materials and Internets		
CD9	Simulation		

COURSE INFORMATION SHEET

Course code: HM 302
Course title: Front Office
Pre-requisite(s): NIL
Co- requisite(s): Front Office Practical HM 304
Credits: 3 L: 3 T: P:
Class schedule per week: 03
Class: UG ALL – Minor Breadth
Semester / Level: Sixth / Third
Branch: ALL
Name of Teacher:

Course Objectives

This course envisions to impart to students to:

1.	Explain guest services and basic front office functions and responsibilities that allow staff to meet guest standards.
2.	Understand how a front office department in a small, medium and large hotel may be organized along with various meal plans being followed in these hotels.
3.	Examine the role of Front office department in guest life cycle
4.	Understand the task being carried out in a Lobby of a Hotel
5.	Demonstrate various activities which take place during guest registration.

Course Outcomes

After the completion of this course, students will be able to:

CO1	Understand the origin and the nature of Hospitality Industry.
CO2	Explain the operation of Front Office department in a hotel.
CO3	Explain the role of Front office department in guest life cycle.
CO4	Distinguish the role & function of various positions in the Front Office Lobby.
CO5	Create various formats for guest Registration.

SYLLABUS

MODULE	(NO. OF LECTURE HOURS)
Module – I The Hospitality Industry: Introduction, Origin of Hospitality Industry, Nature of Hospitality Industry. History and development of Hotel Industry, Defining the term hotel, Types of hotels, Target Market, Classifying hotels, levels of service, Ownership and affiliation.	8
Module- II Front Office Department: Front office operations, staffing, scheduling, work shifts, job specifications & job descriptions of Front office personnel, The Front desk: Functional Organization, Telecommunication.	8
Module – III Front Office Operations: The guest cycle: Pre-Arrival, Arrival, Occupancy, Departure, Post Departure; Front office systems: Non-Automated, Semi Automated, Fully Automated; Front Office Process, Front office forms, the front desk, Front office equipment, Property Management Systems.	8
Module- IV Lobby and Bell Desk Operation : Role of lobby managers, Role of guest relation executive, Function of bell desk, Layout and equipment used, Function of Hospitality desk / Concierge desk, Handling VIPs, Staff Organization, Duty Rota and Work schedule, Luggage handling procedure, Bell desk forms and formats, Car valet operations.	8
Module - V Registration: Pre-registration activities, Registration activity, the registration record. Room and rate assignment – Check in Process for - FITs, Groups, Crew, Indian & Foreign national, Documents required for foreign national, Method of payment, Issuing the room key, fulfilling special requests, Creative options, Change of room, Over-booking cases.	8

Textbooks:

1. Kasavana & Brooks, *Managing Front Office Operations*, AHL&A, 2001
2. S.K. Bhatnagar, *Front Office Management*, Frank Bros. & Co. , 2006

Reference Books:

1. Colin Dix & Chirs Baird, *Front office operations*, Pearson, 2006.
2. James Bardi, *Hotel Front office management*, John Wiley & Sons, 2011.
3. Sudhir Andrews, *Front Office: A Training Manual*, Tata McGraw Hill, 2011
4. Raymond S Schmidgall, *Hospitality Industry Managerial accounting*, AHLA, 2006
5. Michael Kasavana and Cahell, *Managing computers in hospitality industry*, AHLA, 1996

Gaps in the syllabus (to meet Industry/Profession requirements) - Nil

POs met through Gaps in the Syllabus - N/A

Topics beyond syllabus/Advanced topics/Design - N/A

POs met through Topics beyond syllabus/Advanced topics/Design – N/A

Course Outcome (CO) Attainment Assessment tools & Evaluation procedure

Direct Assessment

Assessment Tool	% Contribution during CO Assessment
First Quiz	10
Mid Semester Examination	25
Second Quiz	10
Teacher's Assessment	5
End Semester Examination	50

Indirect Assessment

1. Student's Feedback on Course Outcome.

Mapping of Course Outcomes onto Program Outcomes

Course Outcome	Program Outcomes (POs)												Program Specific Outcomes (PSOs)		
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
CO1	3	3	3	1		1		1	1	2	3	2	3	2	1
CO2	3	3	3	3	3	3		1	3	2	1	3	3	2	3
CO3	3	3	3	2		2		2	3	3	3	2	3	2	3
CO4	3	3	2	2	2	1		1	1	1	1	2	3	3	3
CO5	3	3	1	1	2	3	1	2	2	2	2	3	2	2	1

Correlation Levels 1, 2 or 3 as defined below:

- 1: Slight (Low) 2: Moderate (Medium) 3: Substantial (High)

Mapping Between COs and Course Delivery (CD) methods

CD Code	Course Delivery Methods	Course Outcome	Course Delivery Method Used
CD1	Lecture by use of Boards/LCD Projectors	CO1	CD1, CD8
CD2	Tutorials/Assignments	CO2	CD1, CD8
CD3	Seminars	CO3	CD1, CD8
CD4	Mini Projects/Projects	CO4	CD1, CD8
CD5	Laboratory Experiments/Teaching Aids	CO5	CD1, CD8
CD6	Industrial/Guest Lectures		
CD7	Industrial Visits/In-plant Training		
CD8	Self- learning such as use of NPTEL Materials and Internets		
CD9	Simulation		

COURSE INFORMATION SHEET

Course code: HM 303
Course title: Accommodation Operation
Pre-requisite(s): NIL
Co- requisite(s): Accommodation Operation Practical HM 305
Credits: 3 L: 3 T: P:
Class schedule per week: 03
Class: UG ALL- Minor Breadth
Semester / Level: Sixth / Third
Branch: ALL
Name of Teacher:

Course Objectives

This course envisions to impart to students to:

1.	Understand the organization structure of the housekeeping department and its importance.
2.	Assess the importance of cleaning organization by application of various methods of cleaning, type of cleaning equipment and agents.
3.	Develop operational procedure and supervision in the housekeeping department.
4.	Design various types of flower arrangement.
5.	Understand various types of expenses and budgeting process.

Course Outcomes

After the completion of this course, students will be able to:

CO1	Explain the various types of organization structure in the housekeeping department.
CO2	Manage different types of cleaning equipment and agents.
CO3	Explain the system of housekeeping operation and supervision.
CO4	Create different types of flower arrangement.
CO5	Explain the various types of housekeeping expenses and budgeting for the department

SYLLABUS

MODULE	(NO.OF LECTURE HOURS)
<p>Module – I</p> <p>Organization of Housekeeping department: Organization structure of Housekeeping dept. (Small, medium, large hotels), Duties and responsibilities of H.K. staffs, Job description and Job specification Personality traits of housekeeping personnel, Interdepartmental relationship with other departments, Role of Housekeeping in guest satisfaction, Types of guestroom.</p>	8
<p>Module – II</p> <p>Cleaning Organization: Principles of cleaning, Methods of cleaning. Cleaning equipment: Manual & Mechanical, Cleaning Agents, Cleaning of guestrooms & Public areas, Bed making, Replacing and positioning guestroom supplies.</p>	8
<p>Module – III</p> <p>Housekeeping operation: Control desk: Importance, functions, complaint handling, forms & formats. Daily routine and system: Briefing, debriefing, key control, routine and periodic cleaning. Laundry supervision: laundry equipment, laundry flow process, Stain removal, linen and uniform supervision. Guestroom inspection check list.</p>	8
<p>Module – IV</p> <p>Flower arrangement: Importance, Styles of flower arrangement, Flower arrangement material and equipment, Principles of flower arrangement, Guidelines for making flower arrangement.</p>	8
<p>Module – V</p> <p>Housekeeping budgeting: Introduction, Types of budget: Capital, operating, master, departmental, fixed and flexible budget, Housekeeping expenses: operating and capital, Budget planning process, Controlling expenses: operating expenses, cost control in specific areas. Inventory control & Stock taking: Stock taking, Establishing Par levels, Purchasing: principles, steps, Types of purchasing.</p>	8

Textbooks:

1. S. Andrews, *Hotel Housekeeping Management & Operation*. New Delhi: Tata McGraw Hill, 2008.
2. G. Raghubalan and S.Raghubalan, *Hotel Housekeeping Operation and Management*. 3rd ed, New Delhi: Oxford university press, 2014.
3. S.K. Kaushal and S.N. Kaushal, *Accommodation Operation and Management*. 1st ed, New Delhi: Frank Bros. & Co, 2006.

Reference books:

1. M. Schneider and G. Tucker, *The Professional Housekeeper. 4th ed.*, New York: John Wiley, 1999.
2. Thomas J. A. Jones, *Professional Management of Housekeeping operations. 5th ed.*, New York: John Wiley, 2010.
3. Joan C. Branson and M. Lennox, *Hotel, Hostel & Hospital Housekeeping. 5th ed.*, London: Hodder Arnold, 1988.
4. M. Kappa and A. Nitschke, *Managing House Keeping Operation. 3rd ed.*, Lansing Mich: American Hotel and Lodging, Educational Institute, 2008.

Gaps in the syllabus (to meet Industry/Profession requirements) - Nil

POs met through Gaps in the Syllabus - N/A

Topics beyond syllabus/Advanced topics/Design - N/A

POs met through Topics beyond syllabus/Advanced topics/Design – N/A

Course Outcome (CO) Attainment Assessment tools & Evaluation procedure

Direct Assessment

Assessment Tool	% Contribution during CO Assessment
First Quiz	10
Mid Semester Examination	25
Second Quiz	10
Teacher's Assessment	5
End Semester Examination	50

Indirect Assessment –

1. Student's Feedback on Course Outcome

Mapping of Course Outcomes onto Program Outcomes

Course Outcome	Program Outcomes (POs)												Program Specific Outcomes (PSOs)		
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
CO1	3	3	3	2	3	1	3	3	2	2	3	3	3	2	2
CO2	3	3	3	3	3	1	2	2	3	2	1	3	3	3	2
CO3	3	3	3	3	3	2	3	3	1	3	3	2	3	3	3
CO4	3	3	3	1	2	1	2	3	1	1	3	3	1	2	3
CO5	3	3	3	3	3	2	3	3	3	3	1	2	3	3	3

Correlation Levels 1, 2 or 3 as defined below:

1: Slight (Low) 2: Moderate (Medium) 3: Substantial (High)

Mapping Between COs and Course Delivery (CD) methods

CD Code	Course Delivery methods	Course Outcome	Course Delivery Method Used
CD1	Lecture by use of boards/LCD projectors/OHP projectors	CO1	CD1, CD8
CD2	Tutorials/Assignments	CO2	CD1, CD8
CD3	Seminars	CO3	CD1, CD8
CD4	Mini projects/Projects	CO4	CD1, CD8
CD5	Laboratory experiments/teaching aids	CO5	CD1, CD8
CD6	Industrial/guest lectures		
CD7	Industrial visits/in-plant training		
CD8	Self- learning such as use of NPTEL materials and internets		
CD9	Simulation		

COURSE INFORMATION SHEET

Course code: HM 304
Course title: Front Office Practical
Pre-requisite(s): NIL
Co- requisite(s): Front Office HM 302
Credits: 1.5 L: T: P: 3
Class schedule per week: 03
Class: UG ALL – Minor Breadth
Semester / Level: Sixth/Third
Branch: All
Name of Teacher:

Course Objectives

This course envisions to impart to students to:

1.	Understand geographical location of various countries.
2.	Understand grooming standard required in the hospitality industry.
3.	Explain requirement of effective verbal communication in hospitality industry.
4.	Explain requirement of effective non-verbal communication in hospitality industry.
5.	Explain the process of Guest Registration in Hotel.

Course Outcomes

After the completion of this course, students will be able to:

CO1	Understand geographical location of various continent and countries, its capital, flag and airlines.
CO2	Illustrate various grooming standards and arrival activities of Front Office Department.
CO3	Illustrate Verbal communication skills required in Front Office Department of a Hotel.
CO4	Illustrate Non-Verbal communication skills required in Front Office Department of a Hotel.
CO5	Demonstrate various activities which take place during guest registration.

SYLLABUS

MODULE	(NO. OF PRACTICAL HOURS)
<p>Module – I</p> <p>Knowing the world Understanding different continents and division of world. Preparation and study of countries and capitals, currencies and airlines Preparation and study of flags and chart.</p>	9
<p>Module- II</p> <p>Front office department and its operation Identification of equipment, work structure and stationery of Front Office. Basic manners and grooming standards required for Front Office operation. Role play of Pre-Arrival and Arrival activities.</p>	9
<p>Module – III</p> <p>Communication Skill - Verbal Understanding the importance of Communication skills – verbal, Presentation and public speaking. Telecommunication skills telephonic situation handling</p>	6
<p>Module- IV</p> <p>Communication Skill – Non-Verbal Understanding the importance of Communication skills – Non-verbal. Facial expressions, the tone and pitch of the voice. Gestures, Body language (kinesics) and the physical distance between the communicators (proxemics).</p>	9
<p>Module - V</p> <p>Registration Preparing and filling up registration card Role play for different check ins as - Walk in, Corporate, VIP, CIP and Groups</p>	6

Textbooks:

1. Kasavana & Brooks, *Managing Front Office Operations*, AHL&A, 2001
2. Meenakshi Ramand and Prakash Singh, *Business Communication*, Oxford Publication, 2012.

Reference Books:

1. Vishwamohan, *English for Hotel Industry*, Pearson Publication, 2013

Gaps in the syllabus (to meet Industry/Profession requirements) - Nil

POs met through Gaps in the Syllabus - N/A

Topics beyond syllabus/Advanced topics/Design - N/A

POs met through Topics beyond syllabus/Advanced topics/Design – N/A

Course Outcome (CO) Attainment Assessment tools & Evaluation procedure

Direct Assessment

Assessment Tool	% Contribution during CO Assessment
Progressive Evaluation	60
End Sem. Evaluation	40

Indirect Assessment

1. Student's Feedback on Course Outcome.

Mapping of Course Outcomes onto Program Outcomes

Course Outcome	Program Outcomes (POs)												Program Specific Outcomes (PSOs)		
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
CO1	3	1	1	1	1					1	2	1	1	1	
CO2	3	3	1	1	1		1			1	2	2	3	3	2
CO3	3	3	3	3	3	3	2	3	2	3	2	3	3	2	2
CO4	3	3	3	3	3	3	2	3	2	3	2	3	3	2	2
CO5	3	3	1	1	2	3	1	2	2	2	2	3	2	2	1

Mapping Between COs and Course Delivery (CD) methods

CD Code	Course Delivery Methods	Course Outcome	Course Delivery Method Used
CD1	Lecture by use of Boards/LCD Projectors	CO1	CD5, CD8
CD2	Tutorials/Assignments	CO2	CD5, CD8, CD9
CD3	Seminars	CO3	CD5, CD8
CD4	Mini Projects/Projects	CO4	CD5, CD8
CD5	Laboratory Experiments/Teaching Aids	CO5	CD5, CD8, CD9
CD6	Industrial/Guest Lectures		
CD7	Industrial Visits/In-plant Training		
CD8	Self- learning such as use of NPTEL Materials and Internets		
CD9	Simulation		

COURSE INFORMATION SHEET

Course code: HM 305
Course title: Accommodation Operation Practical
Pre-requisite(s): NIL
Co- requisite(s): Accommodation Operation HM 303
Credits: 1.5 L: T: P: 3
Class schedule per week: 03
Class: UG ALL -Minor Breadth
Semester / Level: Sixth / Third
Branch: ALL
Name of Teacher:

Course Objectives

This course envisions to impart to students to:

1.	Assess organizational structure of the Housekeeping department and layout of different types of guestrooms.
2.	Explain different types of cleaning equipment and their use.
3.	Plan the use of Maid's cart trolley and bed making.
4.	Understand the concept and principles of stain removal.
5.	Explain the concept and prepare various flower arrangement.

Course Outcomes

After the completion of this course, students will be able to:

CO1	Design organizational structure of the Housekeeping department and layout of different types of guestrooms.
CO2	Identify different types of cleaning equipment and their use.
CO3	Explain the process of setting up Maid's cart trolley and bed making.
CO4	Apply the principles of stain removal.
CO5	Create different types of flower arrangements.

SYLLABUS

MODULE	(NO.OF PRACTICAL HOURS)
Module – I Housekeeping Organization Organizational structure of Housekeeping department. Layout of guestrooms.	6
Module – II Housekeeping cleaning Identification of manual & mechanical equipment. Guestrooms and public area cleaning.	6
Module – III Layout and organization of Maid’s cart trolley. Bed Making.	9
Module – IV Identification of stains. Stain removal (ink, rust, turmeric, nail polish, blood, lipstick, grease)	6
Module – V Flower arrangement: (line, horizontal, mass, angle-based arrangement)	9

Textbooks:

1. S. Andrews, *Hotel Housekeeping Management & Operation*. New Delhi: Tata McGraw Hill, 2008.
2. G. Raghubalan and S. Raghubalan, *Hotel Housekeeping Operation and Management*. 3rd ed, New Delhi: Oxford university press, 2014.
3. S.K. Kaushal and S.N. Kaushal, *Accommodation Operation and Management*. 1st ed, New Delhi: Frank Bros. & Co, 2006.

Reference books:

1. M. Schneider and G. Tucker, *The Professional Housekeeper*. 4th ed., New York: John Wiley, 1999.
2. Thomas J. A. Jones, *Professional Management of Housekeeping operations*. 5th ed., New York: John Wiley, 2010.
3. Joan C. Branson and M. Lennox, *Hotel, Hostel & Hospital Housekeeping*. 5th ed, London: Hodder Arnold, 1988.
4. M. Kappa and A. Nitschke, *Managing House Keeping Operation*. 3rd ed, Lansing Mich: American Hotel and Lodging, Educational Institute, 2008.

Gaps in the syllabus (to meet Industry/Profession requirements) - Nil

POs met through Gaps in the Syllabus - N/A

Topics beyond syllabus/Advanced topics/Design - N/A

POs met through Topics beyond syllabus/Advanced topics/Design – N/A

Course Outcome (CO) Attainment Assessment tools & Evaluation procedure

Direct Assessment

Assessment Tool	% Contribution during CO Assessment
Progressive Evaluation	60
End Evaluation	40

Indirect Assessment –

1. Student's Feedback on Course Outcome

Mapping of Course Outcomes onto Program Outcomes

Course Outcome	Program Outcomes (POs)												Program Specific Outcomes (PSOs)		
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
CO1	3	3	3	1	2	1	2	3	1	2	2	3	3	2	2
CO2	3	3	3	2	2	3	2	3	3	2	2	3	3	3	3
CO3	3	3	3	2	2	2	2	3	1	3	1	3	3	3	3
CO4	3	3	3	2	3	1	1	3	3	3	2	3	3	3	2
CO5	3	3	2	1	2	3	2	3	2	3	3	3	1	2	2

Correlation Levels 1,2 or 3 as defined below:

- 1: Slight (Low) 2: Moderate (Medium) 3: Substantial (High)

Mapping Between COs and Course Delivery (CD) methods

CD Code	Course Delivery methods	Course Outcome	Course Delivery Method Used
CD1	Lecture by use of boards/LCD projectors/OHP projectors	CO 1	CD5, CD8
CD2	Tutorials/Assignments	CO 2	CD5, CD8
CD3	Seminars	CO 3	CD5, CD8
CD4	Mini projects/Projects	CO 4	CD5, CD8
CD5	Laboratory experiments/teaching aids	CO 5	CD5, CD8
CD6	Industrial/guest lectures		
CD7	Industrial visits/in-plant training		
CD8	Self- learning such as use of NPTEL materials and internets		
CD9	Simulation		

COURSE INFORMATION SHEET

Course code: HM 327
Course title: Travel Agencies and Tour Operations
Pre-requisite(s): NIL
Co- requisite(s): NIL
Credits: 3 L: 3 T: P:
Class schedule per week: 03
Class: BHMCT (Specialization – Tourism Management)
Semester / Level: Sixth/Third
Branch: HMCT
Name of Teacher:

Course Objectives

This course envisions to impart to students to:

1.	Understand the conceptual meaning and differentiation between travel agency and tour operation.
2.	Illustrate the organisational structure and documentation of a travel agency.
3.	Prepare the tour package and budgeting.
4.	Create and develop itinerary and brochure program.
5.	Evaluate the role of various tourism organisation in the field of tourism.

Course Outcomes

After the completion of this course, students will be able to:

CO1	Identify the meaning and difference between travel agent & tour operator.
CO2	Differentiate between forms and types of tourism.
CO3	Understand the meaning of tour package and costing.
CO4	Formulate various itineraries and tourism business.
CO5	Compare the different tourism organisation and their role in tourism industry.

SYLLABUS

MODULE	(NO. OF LECTURE HOURS)
<p>Module – I</p> <p>Travel Agency & Tour Operator: Travel Agency and Tour Operator – meaning, concept. Difference between Travel Agency and Tour Operator, Types (Inbound, Outbound & Domestic) and importance. History background of Travel Trade, Evolution of Travel Agency Business. Emergence of Thomas Cook – Travel Intermediaries.</p> <p>Functions of Travel Agency and Tour Operator, Understanding the functions of a travel agency - travel information and counseling to the tourists, Itinerary preparation, and marketing of Tour packages, Market research and tour package formulation, assembling, processing and disseminating information on destinations, Liaisoning with principles, preparation of Itineraries, tour operation and post tour Management. Sources of income for tour operation</p>	8
<p>Module- II</p> <p>Organizational Structure: Organizational Structure of Travel Agency and Tour Operator, Ownership structure – MNCs, Franchise, Collaborative and others. Important International and national Travel Agency and Tour Operator. Travel Agency HR planning and job analysis of major positions.</p> <p>Setting up a Travel Agency and Tour Operation business, Skills and Competencies for running a Travel Agency, Approval procedure from Ministry of Tourism, Govt. of India and IATA. Regulations for accreditation, Documentation, Entrepreneurial skill for travel, Tourism and Hospitality: problems of entrepreneurship in travel trade.</p>	8
<p>Module – III</p> <p>Tour Operations: Meaning and concept of Tour Package, Types and Forms of Tour Package, Costing, Quotations, FIT and GIT tariffs, Confidential tariffs, Voucher- hotel and airline and exchange order, Pax docket, status report, AGT statements, merits and demerits of package tour, special requirements for outbound packages, liaison and selling package tours, Commission, Mark up, Services charges. Package Tour and its increasing Demand and Value</p>	8
<p>Module- IV</p> <p>Itinerary Preparation: Itinerary planning – Principles of itinerary planning, Resource for planning Travel itineraries, Steps for planning an itinerary. Types and structure of itinerary. Component of a tour Brochure. Revenue from Tour Operations Business.</p>	8
<p>Module - V</p> <p>Tourism Organisation: Role of Govt. and other Organization in Travel Trade – Role and contribution of Department of Tourism, ITDC, and State Govt. Tourism Development, Travel Trade Association and organization role of WTO, IATA, IATO and TAAI. Emerging trend among Travel Agent and Tour Operator.</p>	8

Textbooks:

1. Bhatia, A.K., *The Business of Travel Agency & Tour Operations Management*, Sterling Publications, 2012
2. Negi, J., *Travel Agency and Tour operation Concepts and Principles*, Himalayan Publications, 2000

Reference books:

1. Sinha, P.C., *Encyclopedia of Tourism Management*
2. Negi, Jagmohan, *Regional Development, Tourism Hotels & Travel Trade*, Himalayan Publications, 2002.
3. Walker C, Walker, J. *Tourism*, Wiley Publications, 2001.

Gaps in the syllabus (to meet Industry/Profession requirements) - Nil

POs met through Gaps in the Syllabus - N/A

Topics beyond syllabus/Advanced topics/Design - N/A

POs met through Topics beyond syllabus/Advanced topics/Design – N/A

Course Outcome (CO) Attainment Assessment tools & Evaluation procedure

Direct Assessment

Assessment Tool	% Contribution during CO Assessment
First Quiz	10
Mid Semester Examination	25
Second Quiz	10
Teacher's Assessment	5
End Semester Examination	50

Indirect Assessment –

1. Student's Feedback on Course Outcome

Mapping of Course Outcomes onto Program Outcomes

Course Outcome	Program Outcomes (POs)												Program Specific Outcomes (PSOs)		
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
CO1	3	-	2	-	-	2	-	-	-	2	-	-	2	-	2
CO2	3	-	2	1	-	-	2	-	1	-	-	2	1	2	-
CO3	3	2	-	2	-	1	-	2	-	-	1	-	-	-	2
CO4	3	-	2	1	2	-	-	1	1	-	-	-	1	-	3
CO5	3	-	2	1	1	-	2	-	2	-	-	1	-	2	-

Correlation Levels 1, 2 or 3 as defined below:

1: Slight (Low) 2: Moderate (Medium) 3: Substantial (High)

Mapping between COs and Course Delivery (CD) methods

CD Code	Course Delivery Methods	Course Outcome	Course Delivery Method Used
CD1	Lecture by use of Boards/LCD Projectors	CO1	CD1, CD8
CD2	Tutorials/Assignments	CO2	CD1, CD8
CD3	Seminars	CO3	CD1, CD8,
CD4	Mini Projects/Projects	CO4	CD1, CD8
CD5	Laboratory Experiments/Teaching Aids	CO5	CD1, CD8,
CD6	Industrial/Guest Lectures		
CD7	Industrial Visits/In-plant Training		
CD8	Self- learning such as use of NPTEL Materials and Internets		
CD9	Simulation		

COURSE INFORMATION SHEET

Course code: HM 328
Course title: E Tourism
Pre-requisite(s): NIL
Co- requisite(s): NIL
Credits: 3 L: 3 T: P:
Class schedule per week: 03
Class: BHMCT (Specialization – Tourism Management)
Semester / Level: Sixth/Third
Branch: HMCT
Name of Teacher:

Course Objectives

This course envisions to impart to students to:

1.	Cite the meaning and historical perspective of E-tourism.
2.	Distinguish the various types of global distribution systems.
3.	Develop the operational method of ticketing and payment.
4.	Analyse the various payment procedure with documentation.
5.	Choose the right online platform for E-business.

Course Outcomes

After the completion of this course, students will be able to:

CO1	Analyse and plan development steps of e-business for a company in the field of tourism and hospitality.
CO2	Diagnose the impact of Information Technology on tourism and travel industry.
CO3	Explore the scope of entrepreneurship in the emerging e-tourism business.
CO4	Analyze and evaluate existing e-business solutions and decisions.
CO5	Setup the payment procedure with documentation.

SYLLABUS

MODULE	(NO. OF LECTURE HOURS)
<p>Module – I</p> <p>About E-tourism: Introduction to E-tourism, Historical Development - Electronic technology for data processing and communication - Strategic, Tactical and operational use of IT in Tourism.</p>	<p>8</p>
<p>Module- II</p> <p>Evolution of GDS: Global Distribution System: History & Evolution - GDS & CRS - Levels of CRS Participation - Hotel Distribution System - Cases of Amadeus - Galileo, World Span, Sabre, Abacus - Changing Business models of GDS</p>	<p>8</p>
<p>Module – III</p> <p>Typologies of E-tourism: Business models - Business to Business (B2B) - Business to Consumer (B2C) - Consumer to Business (C2B) - Consumer to consumer (C2C) - Business to Employees (B2E) - & Business to Government (B2G).</p>	<p>8</p>
<p>Module- IV</p> <p>Payment Systems in E-tourism: Payment Gateway - Billing and Settlement Plan (BSP) - Security Issues and Certification -Future of E-tourism - Travel Blogs - E-marketing and promotion of Tourism Products - Challenges for conventional business models & Competitive strategies.</p>	<p>8</p>
<p>Module - V</p> <p>Basic Amadeus Practical: Hands on Amadeus Software - Searching – Building, Retrieval, Display & Cancel of PNR – Fare display – Itinerary pricing – Issuance of tickets</p>	<p>8</p>

Textbooks:

1. Sheldon P., *Tourism Information Technology*, CABI, 2002.
2. Inkpen G., *Information technology for Travel and Tourism*, Addison Wesley, 2000.

Reference books:

1. Buhalis D., *Etourism: Information Technology for Strategic Tourism Management*, Prentice Hall India, 2004.
2. Poon A., *Tourism, Technology and Competitive Strategies*, CABI, 1998.
3. Rayport J.F. & Jaworski B.J., *Introduction to Ecommerce*, McGraw-Hill, 2002.
4. Malvino A.P, *Electronic Principles*, McGraw-Hill, 1995.

Gaps in the syllabus (to meet Industry/Profession requirements) - Nil

POs met through Gaps in the Syllabus - N/A

Topics beyond syllabus/Advanced topics/Design - N/A

POs met through Topics beyond syllabus/Advanced topics/Design – N/A

Course Outcome (CO) Attainment Assessment tools & Evaluation procedure

Direct Assessment

Assessment Tool	% Contribution during CO Assessment
First Quiz	10
Mid Semester Examination	25
Second Quiz	10
Teacher's Assessment	5
End Semester Examination	50

Indirect Assessment –

1. Student's Feedback on Course Outcome

Mapping of Course Outcomes onto Program Outcomes

Course Outcome	Program Outcomes (POs)												Program Specific Outcomes (PSOs)		
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
CO1	3	-	2	-	-	-	-	-	-	-	2	-	-	2	-
CO2	3	2	-	1	-	1	-	2	-	2	-	2	1	-	3
CO3	2	-	3	-	1	-	2	-	2	-	2	-	-	1	-
CO4	3	-		2	-	-	-	-	2	-	2	-	-	2	-
CO5	2	2	2	-	1	-	2	-	-	3	-	-	1	-	2

Correlation Levels 1, 2 or 3 as defined below:

1: Slight (Low) 2: Moderate (Medium) 3: Substantial (High)

Mapping between COs and Course Delivery (CD) methods

CD Code	Course Delivery Methods	Course Outcome	Course Delivery Method Used
CD1	Lecture by use of Boards/LCD Projectors	CO1	CD1, CD8
CD2	Tutorials/Assignments	CO2	CD1, CD8
CD3	Seminars	CO3	CD1, CD8,
CD4	Mini Projects/Projects	CO4	CD1, CD8
CD5	Laboratory Experiments/Teaching Aids	CO5	CD1, CD8,
CD6	Industrial/Guest Lectures		
CD7	Industrial Visits/In-plant Training		
CD8	Self- learning such as use of NPTEL Materials and Internets		
CD9	Simulation		

COURSE INFORMATION SHEET

Course code: HM 329
Course title: Introduction to Ticketing Practical
Pre-requisite(s): NIL
Co- requisite(s): NIL
Credits: 2 L: T: P: 4
Class schedule per week: 04
Class: BHMCT (Specialization – Tourism Management)
Semester / Level: Sixth/Third
Branch: HMCT
Name of Teacher:

Course Objectives

This course envisions to impart to students to:

1.	Identify the various components of CRS and air segments.
2.	Describe about PNR and various applications.
3.	Demonstrate the air ticketing process and other hospitality related product reservations.
4.	Examine the various travel documentation required for an international tourist.
5.	Organise the reference check for any online booking.

Course Outcomes

After the completion of this course, students will be able to:

CO1	Demonstrate CRS and its various functions.
CO2	Create PNR.
CO3	Apply the ticketing method and practice.
CO4	Prepare air fare, hotel tariff and car rental charges.
CO5	Evaluate the reference for online reservations.

SYLLABUS

<u>MODULE</u>	(NO. OF PRACTICAL HOURS)
<u>Module – I</u> Introduction to CRS: Flight availability, Selling Air segments. Aviation Geography: IATA areas, sub-areas, sub-regions. - Time calculation: GMT variation, concept of standard time and daylight saving time, calculation of elapsed time, flying time and ground time.	9
<u>Module- II</u> Passenger Name Record (PNR): Supplementary data, Modifying PNR. Planning Itinerary by Air, Creating PNR, Amendment, and Cancellation, Familiarization with OAG: 3 letters city code and airport code, airline designated code, minimum connecting time, global indicator. - Familiarization with Air tariff: currency regulation, NUC conversion factors, general rules.	9
<u>Module – III</u> Fair Calculation: Fare display, Air itinerary pricing, Issuing Tickets. Introduction to Fare construction - Mileage Principles - Fare Construction with Extra Mileage Allowance (EMA) - Extra Mileage Surcharge (EMS).	9
<u>Module- IV</u> Travel Documentation: Advance seat assignment, Queues, Customer profiles. Familiarization with TIM: Passport, Visa, currency regulation, custom regulation, health regulation and airport tax. - Passenger needing special attention. - Credit Cards: Concepts, Types & Benefits, Eligibility criteria, Validity, Insurance cover. Different types of credit card.	9
<u>Module – V</u> Reference check: Reference Information, Hotel Reservations, Car Rentals, Miscellaneous Entries.	9

Textbooks:

1. Sheldon P., *Tourism Information Technology*, CABI, 2002.
2. Inkpen G., *Information technology for Travel and Tourism*, Addison Wesley, 2000.

Reference books:

1. IATA Ticketing Handbook.
2. OAG hand book.
3. Amadeus Training Manual.

Gaps in the syllabus (to meet Industry/Profession requirements) - Nil

POs met through Gaps in the Syllabus - N/A

Topics beyond syllabus/Advanced topics/Design - N/A

POs met through Topics beyond syllabus/Advanced topics/Design – N/A

Course Outcome (CO) Attainment Assessment tools & Evaluation procedure

Direct Assessment

Assessment Tool	% Contribution during CO Assessment
Progressive Evaluation	60
End Sem. Evaluation	40

Indirect Assessment

1. Student's Feedback on Course Outcome.

Mapping of Course Outcomes onto Program Outcomes

Course Outcome	Program Outcomes (POs)												Program Specific Outcomes (PSOs)		
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
CO1	3	-	2	-	2	-	-	2	-	1	-	2	3	-	-
CO2	2	-	1	-	2	-	2	-	2	2	-	-	-	-	3
CO3	3	2	-	-	2	2	2	1	-	2	-	1	1	3	-
CO4	3	-	2	1	-	1	-	1	-	-	-	2	-	2	3
CO5	3	1	-	-	1	-	2	2	1	-	2	-	3	-	2

Correlation Levels 1, 2 or 3 as defined below:

1: Slight (Low)

2: Moderate (Medium)

3: Substantial (High)

Mapping Between COs and Course Delivery (CD) methods

CD Code	Course Delivery Methods	Course Outcome	Course Delivery Method Used
CD1	Lecture by use of Boards/LCD Projectors	CO1	CD5, CD8, CD9
CD2	Tutorials/Assignments	CO2	CD5, CD8, CD9
CD3	Seminars	CO3	CD5, CD8, CD9
CD4	Mini Projects/Projects	CO4	CD5, CD8, CD9
CD5	Laboratory Experiments/Teaching Aids	CO5	CD5, CD8, CD9
CD6	Industrial/Guest Lectures		
CD7	Industrial Visits/In-plant Training		
CD8	Self- learning such as use of NPTEL Materials and Internets		
CD9	Simulation		

COURSE INFORMATION SHEET

Course code: HM 411
Course title: Meeting, Incentive, Conference and Exhibition
Pre-requisite(s): NIL
Co- requisite(s): NIL
Credits: 3 L: 3 T: P:
Class schedule per week: 03
Class: BHMCT (Specialization – Tourism Management)
Semester / Level: Seventh/Fourth
Branch: HMCT
Name of Teacher:

Course Objectives

This course envisions to impart to students to:

1.	Define a sense of responsibility for the multi-disciplinary nature of MICE.
2.	Develop best practice in the development and delivery of successful conference and corporate gatherings
3.	Cite the various dimensions of event tourism & their impact
4.	Ascertain management essentials such as developing budgets, critical paths, work breakdown structures, risk mitigation and contingency planning
5.	Evaluate the characteristics of MICE business.

Course Outcomes

After the completion of this course, students will be able to:

CO1	Define the various component of MICE.
CO2	Illustrate the functions of MICE tourism.
CO3	Relate the requisite infrastructure of MICE.
CO4	Identify the various socio-economic aspects of MICE tourism.
CO5	Interpret the important characteristics of MICE components.

SYLLABUS

MODULE	(NO. OF LECTURE HOURS)
Module – I Nature & Scope of MICE: Nature, scope, significance and components of event tourism, relationship between business and leisure tourism, Responsibility of event planners, identifying suitable venue, layout.	8
Module- II Meaning and functions of MICE tourism: meeting, incentive, conference and exposition, need for mice growth of incentive travel and incentive program, motivation for incentive travel, profile of business & corporate travelers.	8
Module – III Infrastructure for mice tourism: players in the event industry, convention centres Transportation, accommodation, logistics catering, human resources, civic amenities and other supporting services.	8
Module- IV Significance of MICE: Socio-economic signification of event tourism, economic, social and culture and environments impact of mice tourism, issues and challenges.	8
Module - V MICE Economics: Supply and Demand; Traveller characteristics; Trip characteristics; Trend and Development. Official; Association; Organizer; Planner; Exhibitor; Speakers; Participants; Visitors.	8

Textbooks:

1. Fenich, G. G., *Meetings, expositions, events, and conventions. An introduction to the industry.* Upper Saddle River, NJ: Prentice Hall, 2005.
2. Davidson, R., *Business travel: Conferences, incentive travel, exhibitions, corporate hospitality, and corporate travel.* Harlow, England: Prentice Hall/Financial Times, 2003.

Reference books:

1. Buhalis & E. Laws (EDS), *Tourism distribution channels: Practices, issues and transformation* London: continuum, 2001.
2. Lawson, F., *Congress, convention & exhibition facilities: Planning, Design & Management* Oxford: Architectural press, 2000.
3. Rogers, T., *Conference & Conventions: A Global industry.* Oxford: Butterworth – Heinemann, 1998, 2003.
4. Swarbrooke, J., *Business travel and tourism.* Oxford: Butterworth-Heinemann, 2001.

Gaps in the syllabus (to meet Industry/Profession requirements) - Nil

POs met through Gaps in the Syllabus - N/A

Topics beyond syllabus/Advanced topics/Design - N/A

POs met through Topics beyond syllabus/Advanced topics/Design – N/A

Course Outcome (CO) Attainment Assessment tools & Evaluation procedure

Direct Assessment

Assessment Tool	% Contribution during CO Assessment
First Quiz	10
Mid Semester Examination	25
Second Quiz	10
Teacher's Assessment	5
End Semester Examination	50

Indirect Assessment –

1. Student's Feedback on Course Outcome

Mapping of Course Outcomes onto Program Outcomes

Course Outcome	Program Outcomes (POs)												Program Specific Outcomes (PSOs)		
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
CO1	3	-	2	-	1	-	2	-	-	2	-	-	3		1
CO2	3	2	1	--	2	-	1	-	2	-	-	2	-	2	-
CO3	2	2	1	2	-	2	-	2	-	-	2	-	1	-	3
CO4	3	-	1	-	2	-	2	-	1	-	-	2	2	-	3
CO5	2	-	2	-	-	2	1	-	2	-	2	-	2	-	1

Correlation Levels 1, 2 or 3 as defined below:

- 1: Slight (Low) 2: Moderate (Medium) 3: Substantial (High)

Mapping between COs and Course Delivery (CD) methods

CD Code	Course Delivery Methods	Course Outcome	Course Delivery Method Used
CD1	Lecture by use of Boards/LCD Projectors	CO1	CD1, CD8
CD2	Tutorials/Assignments	CO2	CD1, CD8
CD3	Seminars	CO3	CD1, CD8,
CD4	Mini Projects/Projects	CO4	CD1, CD8
CD5	Laboratory Experiments/Teaching Aids	CO5	CD1, CD8,
CD6	Industrial/Guest Lectures		
CD7	Industrial Visits/In-plant Training		
CD8	Self- learning such as use of NPTEL Materials and Internets		
CD9	Simulation		

COURSE INFORMATION SHEET

Course code: HM 412
Course title: Destination Studies
Pre-requisite(s): NIL
Co- requisite(s): NIL
Credits: 3 L: 3 T: P:
Class schedule per week: 03
Class: BHMCT (Specialization – Tourism Management)
Semester / Level: Seventh/Fourth
Branch: HMCT
Name of Teacher:

Course Objectives

This course envisions to impart to students to:

1.	Illustrate the types and characteristics of Destination.
2.	Analyse and develop the destination planning at Regional and National level.
3.	Create the image building applications and practices.
4.	Examine various tourist destinations in India.
5.	Create the image & brand development of any destination.

Course Outcomes

After the completion of this course, students will be able to:

CO1	Explain the meaning and nature of Destination. Conceptualize the various characteristics of Destination with important destinations of India
CO2	Elucidate the operational areas and develop the methodology for destination management
CO3	Ability to critically observe social processes and issues and be able to discuss both in written and oral form these in a tourism studies perspective.
CO4	Able to manage destinations.
CO5	Assess the prerequisites and consequences of different strategies for sustainable tourism destination development

SYLLABUS

MODULE	(NO. OF LECTURE HOURS)
<p>Module – I Introduction: Definition, Typology of destinations – Destination mix, Tourism System: Leiper’s Model. The elements of Geography- Themes of Geography - Importance of geography in tourism, Destination geography- attractions, accessibility, cost and amenities, culture, climate; Physical geography, Cultural geography, World’s continents, Destinations on world map, Latitudes, Longitudes, International Date Line, Time zones and calculation of time, Time differences, GMT and flying time.</p>	<p style="text-align: center;">8</p>
<p>Module- II Types & Characteristics: Destination Development - Types of destinations, Characteristics of destinations - Destinations and products - Destination Management Systems - Destination planning guidelines - Destination Selection Process - The Values of Tourism.</p>	<p style="text-align: center;">8</p>
<p>Module – III Destination Planning Process and Analysis: National and Regional Tourism Planning and Development - Assessment of tourism potential - Planning for Sustainable Tourism Development - Contingency Planning - Economic, Social, Cultural and Environmental considerations - Demand and supply match - Design and innovations.</p>	<p style="text-align: center;">8</p>
<p>Module- IV India as a destination: Study on various destinations of India – North India, South India, Central India, and Eastern & Western India.</p>	<p style="text-align: center;">8</p>
<p>Module - V Destination Image Development: Attributes of Destinations: Person’s determined image, Destination determined image, measurement of destination image - Destination branding perspectives and challenges- Creating the Unique Destination Proposition - Place branding and destination image - Destination image formation process; unstructured image - Product development and packaging - Destination branding and the web - Case Study of Jharkhand as a brand.</p>	<p style="text-align: center;">8</p>

Textbooks:

1. Melanie S., Nicola M. & Margaret H. R., *Destination Management*, Sage Publications, 2016.
2. C. Gunn, *Tourism Planning: Basic, Concepts and Cases*, Cognizant Publication, 2002.

Reference books:

1. Singh S., Dallen J.T. & Ross K. D., *Tourism in Destination Communities*, CABI Publishing, 2002.
2. Kant A., *Branding India An Incredible Story*, Harper Collins, 2009.
3. Morgan N., Annette P. & Roger P., *Destination branding: Creating the Unique Proposition*, Butterworth and Heinemann, 2001.
4. Sampad K. S., *Tourism*, Oxford Publications, New Delhi, 2008.
5. Seth P.N., *Successful Tourism Planning Management*, Cross publication, 2002
6. Baud, Boyv M. and Lawson, *Tourism and Recreation Development*, C.B.I. Pub, 1999.

Gaps in the syllabus (to meet Industry/Profession requirements) - Nil

POs met through Gaps in the Syllabus - N/A

Topics beyond syllabus/Advanced topics/Design - N/A

POs met through Topics beyond syllabus/Advanced topics/Design – N/A

Course Outcome (CO) Attainment Assessment tools & Evaluation procedure

Direct Assessment

Assessment Tool	% Contribution during CO Assessment
First Quiz	10
Mid Semester Examination	25
Second Quiz	10
Teacher's Assessment	5
End Semester Examination	50

Indirect Assessment –

1. Student's Feedback on Course Outcome

Mapping of Course Outcomes onto Program Outcomes

Course Outcome	Program Outcomes (POs)												Program Specific Outcomes (PSOs)		
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
CO1	3	-	2	-	2	1	-	2	-	-	3	-	3	-	2
CO2	2	-	2	-	1	-	2	-	2	-	2	-	3	1	-
CO3	3	-	1	2	-	2	-	-	2	-	2	-	2	1	2
CO4	2	-	-	-	2	-	-	2	-	2	-	2	-	2	-
CO5	3	2	-	2		1	-	-	2	-	2	-	1	-	3

Correlation Levels 1, 2 or 3 as defined below:

1: Slight (Low) 2: Moderate (Medium) 3: Substantial (High)

Mapping between COs and Course Delivery (CD) methods

CD Code	Course Delivery Methods	Course Outcome	Course Delivery Method Used
CD1	Lecture by use of Boards/LCD Projectors	CO1	CD1, CD8
CD2	Tutorials/Assignments	CO2	CD1, CD8
CD3	Seminars	CO3	CD1, CD8,
CD4	Mini Projects/Projects	CO4	CD1, CD8
CD5	Laboratory Experiments/Teaching Aids	CO5	CD1, CD8,
CD6	Industrial/Guest Lectures		
CD7	Industrial Visits/In-plant Training		
CD8	Self- learning such as use of NPTEL Materials and Internets		
CD9	Simulation		

COURSE INFORMATION SHEET

Course code: HM 413
Course title: Adventure Tourism
Pre-requisite(s): NIL
Co- requisite(s): NIL
Credits: 3 L: 3 T: P:
Class schedule per week: 3
Class: BHMCT (Specialization – Tourism Management)
Semester / Level: Seventh/Fourth
Branch: HMCT
Name of Teacher:

Course Objectives

This course envisions to impart to students to:

1.	Cite Adventure tourism activities.
2.	Identify the several types of Adventure tourism sports available in India and abroad.
3.	Illustrate the role of various government and private bodies in promotion of Adventure Tourism.
4.	Understand the application of adventure activities in Desert areas.
5.	Apply the professional skill with public and private sector in the field of adventure tourism.

Course Outcomes

After the completion of this course, students will be able to:

CO1	Apply knowledge on various aspects of Adventure Tourism
CO2	Ability to understand the resource potential for adventure tourism in India and the existing popular destinations and activities
CO3	Evaluate the role of leadership and group/team dynamic involved in adventure activities and apply the knowledge in a class-based environment.
CO4	Explore the key risk factors and current legislation influencing the adventure and activity tourism product
CO5	Create the interpersonal relationship with public and private sector.

SYLLABUS

MODULE	(NO. OF LECTURE HOURS)
<p>Module – I</p> <p>Introduction to adventure tourism: Definition, Nature and scope, Adventure in the present context, contemporary trends in Adventure Tourism Geographical diversities and opportunities for A.T.in India. Potential and existing adventure tourism in different states. Planning and development perspective, major thrust areas, promotional steps taken by states and centers. Organization and institutions promoting Adventure Tourism in India.</p>	<p style="text-align: center;">8</p>
<p>Module- II</p> <p>Land Water Based Adventure Tourism: Land based Adventure activities - Mountaineering, Trekking, Rock climbing, skiing, skating; their necessary equipment, techniques and problems. Wildlife tourism: status of wildlife tourism, popular National parks and Wildlife sanctuaries.</p> <p>Water resources of India; rivers, sea and lakes. River reading, nature of white water, silent water and sea water. Rafting, Kayaking canoeing, yachting, water scooter, Hover craft. Surfing, SCUBA diving, under water activities, coastal activities. Places, organizations, equipment associated with above activities.</p> <p>Air based activities, Atmosphere, seasons, wind pressure and wind movement in India.</p> <p>Hang gliding, Ballooning, Para jumping, Sky diving, Para sailing. Places, organizations and equipment associated with above activities.</p>	<p style="text-align: center;">8</p>
<p>Module – III</p> <p>An overview of law & regulations: Law designed for Adventure Tour operation, special permits for rafting, paragliding, heli-skiing and angling. Peak booking formalities, IMF rules for mountain expeditions, cancellation of permits and bookings.</p>	<p style="text-align: center;">8</p>
<p>Module- IV</p> <p>Desert Tourism - Its challenges, attractions and activities; challenges of wind and water, sand and heat, silence and spatial vastness; attractions natural and manmade and activities ranging from relaxation to adventure to recreation to tourism.</p>	<p style="text-align: center;">8</p>
<p>Module - V</p> <p>Organization role & emerging trends: The role of public sector and private sector in the promotion of Adventure tourism, Problems and potential of Adventure tourism. Emerging Trends in Adventure Tourism. Challenges and Threats to Govt. and Private Sector in Adventure Tourism.</p>	<p style="text-align: center;">8</p>

Textbooks:

1. Lozawa, Tomoya, *Trekking in the Himalayas*, Allied published Pvt. Ltd., 1980
2. Negi, Jagmohan, *Adventure Tourism and sports*, Kanishka Publishers, 2001

Reference books:

1. Bose, S.C., *Geography of the Himalayas*, National Book trust, India, 1976
2. Chand G. and Puri M., '*Trekking*', International publisher India, 1989
3. Gamma, Karl, *The Handbook of Skiing*, Pelham Books, 1985
4. Dixit M. and Charu S., *Tourism Products*, New Royal Books, 2006
5. Aluwalia H.P.S. and Manfred G., *Himalayas: A Practical Guide*, Himalayan Books, 1985
6. Singh, R.L. (ed) India, *A Regional Geography*, National Geographical Society of India, 1985

Gaps in the syllabus (to meet Industry/Profession requirements)- Nil

POs met through Gaps in the Syllabus - N/A

Topics beyond syllabus/Advanced topics/Design - N/A

POs met through Topics beyond syllabus/Advanced topics/Design – N/A

Course Outcome (CO) Attainment Assessment tools & Evaluation procedure

Direct Assessment

Assessment Tool	% Contribution during CO Assessment
First Quiz	10
Mid Semester Examination	25
Second Quiz	10
Teacher's Assessment	5
End Semester Examination	50

Indirect Assessment –

1. Student's Feedback on Course Outcome

Mapping of Course Outcomes onto Program Outcomes

Course Outcome	Program Outcomes (POs)												Program Specific Outcomes (PSOs)		
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
CO1	3	-	-	-	2	-	-	-	-	2	-	-	3		2
CO2	3	-	-	2	-	-	-	2	-	-	1	-	-	2	-
CO3	3	2	-	-	2	-	3	-	-	-	2	-	3	-	1
CO4	3	-	3	-	-	-	-	2	-	-	-	-		3	1
CO5	3		2		2	-	-		2	-	1	-	2	-	2

Correlation Levels 1, 2 or 3 as defined below:

1: Slight (Low) 2: Moderate (Medium) 3: Substantial (High)

Mapping between COs and Course Delivery (CD) methods

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CD7	Industrial Visits/In-plant Training		
CD8	Self- learning such as use of NPTEL Materials and Internets		
CD9	Simulation		

COURSE INFORMATION SHEET

Course code: HM 414
Course title: Tourism Concept and Impact
Pre-requisite(s): NIL
Co- requisite(s): NIL
Credits: 3 L: 3 T: P:
Class schedule per week: 03
Class: BHMCT (Specialization – Tourism Management)
Semester / Level: Seventh/Fourth
Branch: HMCT
Name of Teacher:

Course Objectives

This course envisions to impart to students to:

1.	Cite the basic knowledge of tourism studies and overview of tourism industry
2.	Elucidate the tourism product and characteristics
3.	Relate to the fast growing tourism industry
4.	Analyse the tourism impact and its significance.
5.	Evaluate the economics of tourism supply & demand.

Course Outcomes

After the completion of this course, students will be able to:

CO1	Define the various types of tourism.
CO2	Identify the important components of tourism impacts.
CO3	Define the numerous types and forms of tourism.
CO4	Illustrate the demand and supply characteristics of tourism concept and impacts
CO5	Measure the supply and demand of tourism.

SYLLABUS

MODULE	(NO. OF LECTURE HOURS)
<p>Module – I</p> <p>Concept of tourism: Definition and Concept of Tourism. Leisure and Recreation, Excursionist, Business Tourism, VFR, Mass Tourism, Adventure Tourism, Sports Tourism, Rural Tourism. Tourism education. Typology of Tourism. Tourism Statistics. Difference between visitors, tourists and excursionist. Tourism as an industry.</p>	<p style="text-align: center;">8</p>
<p>Module- II</p> <p>Tourism Products & Attraction: Nature, Characteristics and Components of Tourism Industry. Why it is different from other types of consumer product? Elements and characteristics of tourism products. Tourism product production system, Tourism Product Life Cycle, typology of tourism products.</p>	<p style="text-align: center;">8</p>
<p>Module – III</p> <p>Types and Forms of Tourism: Inter–regional and intra–regional tourism, inbound and outbound tourism, domestic, international tourism. Forms of Tourism: religious, historical, social, adventure, health, business, conferences, conventions, incentives, sports and adventure, senior tourism, special interest tourism like culture or nature oriented, ethnic or ‘roots’ tourism and VFR.</p>	<p style="text-align: center;">8</p>
<p>Module- IV</p> <p>Impact of Tourism: Positive and Negative Impacts of Tourism; Socio Cultural, Economic, Environmental and Political- Impact Assessment: Social Impact Assessment, Environmental Impact Assessment and Environmental Impact Assessment. – Environmental and Social Accounting and Auditing-Tourism Satellite Accounting (TSA)</p>	<p style="text-align: center;">8</p>
<p>Module - V</p> <p>Tourism Economics: Demand- Supply Characteristics-Concepts, definitions and indicators of demand. Measuring demand for tourism-International and Domestic Tourism. Technological progress and Globalization. Concept and resources for Ecotourism. Motivation for tourism.</p>	<p style="text-align: center;">8</p>

Textbooks:

1. Mill and Morrison, *The Tourism System: An Introductory Text*, Prentice Hall, 1992.
2. Mill R., *The Tourism System: An Introductory Text*, Hall International, London, 1992.

Reference books:

1. Kamra, K., *Basics of Tourism: Theory, Operation*, Kanishka Publishers, New Delhi, 2002.
2. Gee, Chuck. G. *Travel Industry* AHLA Publications, 1999.
3. Bhatia, A.K., *International Tourism Marketing*, Sterling, New Delhi, 2008.
4. Kabia S. K., *Tourism and Environment*, Himalayan Publisher, 2010.
5. Wahab, S.E., *Tourism Management*, Tourism International Press, London, 1986.
6. Dr. Jasbir Singh, *Eco-Tourism*, I.K. International Publishing, New Delhi, 2010.

Gaps in the syllabus (to meet Industry/Profession requirements) - Nil

POs met through Gaps in the Syllabus - N/A

Topics beyond syllabus/Advanced topics/Design - N/A

POs met through Topics beyond syllabus/Advanced topics/Design – N/A

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Direct Assessment

Assessment Tool	% Contribution during CO Assessment
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Indirect Assessment –

1. Student's Feedback on Course Outcome

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Course Outcome	Program Outcomes (POs)												Program Specific Outcomes (PSOs)		
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CO3	3	2	1	-	2	-	2	-	2	-	1	-	-	2	3
CO4	2	-		2	-	-	2	-	1	-		-	2	-	1
CO5	3	-	2	-	2	-	1	-	2	-	2	1		2	3

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