(AN AUTONOMOUS INSTITUTE AFFILIATED WITH SARDAR PATEL UNIVERSITY)

Post Graduate Programme (Self-Finance)

Course Structure with effect from: 2024-2025 (NEP-2020)

M.Sc. (Home Science) Semester: II

M.Sc In Resource Management and Design Applications

Sr.	Core/	Course No	Title	T /	Credits	Contact	Exam		Marks	
No.	Elective			P	Per	hrs/	Duration	Internal	External	Total
					Week	week	in hrs			
Core Cour	se				•	1	•			•
1	С	PHA02CRMD01	Sustainable Household Technologies	Т	2	2	01:30	25/9	25/9	50/18
2	С	PHA02CRMD02	Ergonomics and Product designing	T	4	4	02:30	50/18	50/18	100/36
3	С	PHA02CRMD03	Ergonomics and Product designing	P	2	4	2	25/9	25/9	50/18
4	С	PHA02CRMD04	Advertising & Marketing Management	T	2	2	01:30	25/9	25/9	50/18
5	С	PHA02CRMS01	Research Methods and Statistics	T	2	2	01:30	25/9	25/9	50/18
6	С	PHA02CRMS02	Research Methods and Statistics	P	2	4	2	25/9	25/9	50/18
7	С	PHA02CRMD07	Green Practices in Tourism & Hospitality Industry	Т	2	2	01:30	25/9	25/9	50/18
8	С	PHA02CRMD08	Green Practices in Tourism & Hospitality Industry	P	2	4	2	25/9	25/9	50/18
Elective Co	ourse									
9	Е	PHA02ERMD01	Human Resource Management	T	2	2	01:30	25/9	25/9	50/18
10	Е	PHA02EPHN01	Community Health Management	Т	2	2	01:30	25/09	25/09	50/18
			Total		20	26		250	250	500

Note: 1): C- Core course, E- Elective course any one



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Post Graduate Programme (Self-Finance)

Course Structure with effect from: 2024-2025 (NEP-2020)

M.Sc. (Home Science) Semester: II

Course Code	PHA02CRMD01	Title of the Course	Theory-Sustainable Household Technologies
Total Credits of the Course	02	Hours per Week	02

Course Objectives:	1.	To gain a comprehensive understanding of energy consumption patterns
		in households.
	2.	To evaluate and compare different sustainable technologies for the home.
	3.	To analyse the life cycle impact of household products and materials.
	4.	To design and propose solutions for creating a more sustainable living
		environment.
	5.	To develop critical thinking skills to assess the benefits and drawbacks of
		various sustainable technologies.

Unit	Descri	iption	Weightage*(%)
1.	Introd	25	
	(a)	Definition of sustainable living and its application to households	
	(b)	Understanding household energy consumption patterns	
	(c)	Environmental impact of traditional household practices	
	(d)	Policy and economic considerations for sustainable households	
2.	Sustai	nable Materials & Construction	25
	(a)	Life cycle assessment (LCA) of household products	
	(b)	Sustainable building materials (recycled content, low embodied	
		energy)	
	(c)	Energy-efficient construction techniques	
	(d)	Green building rating systems	
3.	Sustai	25	
	(a)	Smart water monitoring systems	
	(b)	Water conservation strategies and technologies (low-flow fixtures,	
		rainwater harvesting)	
	(c)	Water treatment and purification systems	
4.	(a)	Rainwater Harvesting	25
	(b)	Rainwater harvesting for various uses (irrigation, toilet flushing,	
		laundry).	
	(c)	Benefits of vermicomposting for waste reduction and sustainable	
		living	
	(d)	Environmental impact of vermicomposting compared to	
		traditional composting.	

Evaluation Pattern				
Sr. No.	Details of the Evaluation	Weightage		
1.	Internal Written Examination (As per R.AUG.HSC4)	25%		
2.	Internal Continuous Assessment in the form of Quizzes, Seminars, Assignments, Attendance	25%		
3.	Semester End Examination (As per R.AUG.HSC7)	50%		

Course	Course Outcomes:				
Having completed this course, the learner will be able to					
1.	Critically evaluate the environmental impact of traditional household practices.				
2.	Understand the role of policies and economic factors in promoting sustainable households.				
3.	Gain a comprehensive understanding of household energy consumption patterns.				

Suggested References:				
Sr. No.	References			
1.	Bhatt, Patel and Gohil, (2008) "Paryavaran, Environmental Studies" New Popular Prakashan, Surat			
2.	Tiwari, Khulbe and Tiwari(2007) "Environmental Studies" I.K. International Publishing House Pvt. Ltd., New Delhi			
3.	Kaur H. (2005) "Environmental Studies" Pragati Prakashan, Meerut			
4.	Bharucha Erach (2005) "A Textbook of Environmental Studies" University Grant Commission, University Press Pvt. Ltd., Hyderabad			
5.	Sharma P.D. (2003) "Ecology and Environmental" Rastogi Publications, New Delhi			

Online Resources

https://en.wikipedia.org/wiki/Category:Sustainable_technologies

 $\underline{https://blueandgreentomorrow.com/features/technologies-that-can-help-make-home-green/}$



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Post Graduate Programme (Self-Finance)

Course Structure with effect from: 2024-2025 (NEP-2020)

M.Sc. (Home Science) Semester: II

Course Code	PHA02CRMD02	Title of the Course	Theory-Ergonomics and Product Designing
Total Credits of the Course	04	Hours per Week	04

Course	To understand the fundamentals of ergonomics and its relevance to
Objectives:	product design.
	2. To apply human-centered design principles in designing products that prioritize user needs and preferences.
	3. To analyze the musculoskeletal system and its implications for product design.
	4. To explore the relationship between human movement, posture, and product usability.
	5. To examine the design considerations for hand tools and sports equipment to optimize ergonomics.

Course	e Content	
Unit	Description	Weightage *(%)
1.	About Ergonomics	25
	a) Overview and Introduction: Definition, history and applications of Ergonomics with real life examples	
	b) Human-centered Design: Introduction to Design Thinking and its application in product design	
	c) Understanding design objectives and user needs Musculoskeletal System	25
2.	 (a) Basics of the human body structure: muscles, bones, and joints. (b) Working principles of the musculoskeletal system and their relevance to product design. (c) Human Movements (d) Understanding the spine and its role in motion (e) Vision and line of sight considerations in product design 	
3.	Posture-Strength Relationships (a) Introduction to the Blix curve and its implications for product design (b) Basics of hand tool design considering ergonomic principles	25

4.	Equipment Design	25
	(a) Principles of tool/ equipment design	
	(b) Product attributes – form, function and aesthetic	
	(c) Consequences of poor design on user experience and performance	
	(d) Sustainable design practices, preserving traditional practices,	
	designing for challenged communities	

Teaching-	Lecture, PowerPoint Presentations, ICT enabled Teaching, Individual/group		
Assignments,	projects, Group discussions, Guest speakers, Quizzes Methodology, blackboard and		
Learning	chalk.		

Evaluation Pattern		
Sr. No.	Details of the Evaluation	Weightage
1.	Internal Written Examination (As per R.AUG.HSC4)	25%
2.	Internal Continuous Assessment in the form of Quizzes, Seminars, Assignments, Attendance	25%
3.	Semester End Examination (As per R.AUG.HSC7)	50%

Course	Course Outcomes:		
Having	Having completed this course, the learner will be able to		
1.	Identify design problems and propose new and sustainable ideas for product development		
2.	Create schematic drawings, constructional details and product prototypes with focus is on up-cycling, refurbishment and re-cycling		
3.	Understanding the basic concepts for product development		

Sugges	Suggested References:	
Sr. No.	References	
1.	Grandien (1973) 'Ergonomics of the Home' Taylor & Ergonomics of th	
2.	Barnes.R.N 'Motion and time study, design and measurement of work, John Willy.	

3.	Dr. S. Patel, Ms. Meeta, Dr. V. Veerkumar; (2024), Laboratory Manual for Ergonomics, Thomson Press, India Limited.
4.	R. Brideger; (2018), Introduction to Human factor in Ergonomics, 4 th edition CRC press, NY.
5.	M. Chuhan; (2015), Ergonomics Practical Manuals for beginners, Authors press publication.

Online Resources

http://www.ilocis.org/documents/chpt29e.htm

https://ehs.unc.edu/workplace-safety/ergonomics/



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Post Graduate Programme (Self-Finance)

Course Structure with effect from: 2024-2025 (NEP-2020)

M.Sc. (Home Science) Semester: II

Course Code	PHA02CRMD03	Title of the Course	Practical-Ergonomics and product designing
Total Credits of the Course	02	Hours per Week	04

Course	1. To understand the fundamentals of ergonomics and its relevance to product
Objectives:	design.
	2. To apply human-centred design principles in designing products that prioritize user needs and preferences.
	3. To explore the relationship between human movement, posture, and product usability.
	4. To examine the design considerations for hand tools and sports equipment to optimize ergonomics.

Unit	Description	Weightage*(%)
1.	To assess the ergonomic design of lab equipment such as chairs, desks, and microscopes. They will use ergonomic assessment tools (e.g., checklists, ergonomic guidelines) to identify ergonomic issues and propose improvements.	10
2.	To measure and record anthropometric data of themselves and classmates to understand variations in body sizes and proportions.	10
3.	To observe and analyze posture during various activities (e.g., sitting, standing) and provide recommendations for improving posture based on ergonomic principles.	10
4.	To evaluate the ergonomic design of hand tools (e.g., knives, spoon, scissors, tong) using ergonomic assessment tools and guidelines. They will identify strengths and weaknesses in design and propose improvements.	10
5.	Students will be given a simple design challenge (e.g., designing a tool handle or workstation accessory) and limited materials (e.g., cardboard, tape). They will work in teams to create prototypes that address ergonomic considerations.	10

6.	Students will simulate manual material handling tasks (e.g., lifting, carrying) using weighted objects or simulation tools. They will practice proper lifting techniques and discuss ergonomic principles for reducing the risk of injury.	10
7.	To evaluate the design of commonly used lab tools (e.g., pipettes, forceps) for ergonomic features such as grip shape, handle size, and force exertion. They will compare different designs and discuss their ergonomic advantages and limitations.	10
8.	Students will conduct an experiment to investigate the effect of monitor height on visual comfort and neck strain. They will use eye tracking or observation techniques to assess line of sight and recommend optimal monitor placement.	20
9.	Students will assess the ergonomic design of keyboards and mice commonly used in lab settings. They will evaluate factors such as key layout, key travel, and mouse shape to determine ergonomic suitability.	10

Teaching-	Lecture, PowerPoint Presentations, ICT enabled Teaching, Individual/group	
Assignments,	projects, Group discussions, Guest speakers, Quizzes Methodology, blackboard and	
Learning	chalk.	

Evaluation Pattern		
Sr. No.	Details of the Evaluation	Weightage
1.	Internal Written Examination (As per R.AUG.HSC4)	25%
2.	Internal Continuous Assessment in the form of Quizzes, Seminars, Assignments, Attendance	25%
3.	Semester End Examination (As per R.AUG.HSC7)	50%

Course Outcomes:			
Having	Having completed this course, the learner will be able to		
1.	Identify design problems and propose new and sustainable ideas for product development.		
2.	Create schematic drawings, constructional details and product prototypes with focus is on upcycling, refurbishment and re-cycling.		
3.	Understanding the basic concepts for product development.		
4.	Work efficiently while maintaining health and wellbeing.		

Sugge	Suggested References:		
Sr. No.	References		
1.	Grandien (1973) 'Ergonomics of the Home' Taylor & Ergonomics of th		
2.	Barnes.R.N 'Motion and time study, design and measurement of work, John Willy		
3.	Dr. S. Patel, Ms. Meeta, Dr. V. Veerkumar; (2024), Laboratory Manual for Ergonomics, Thomson Press, India Limited.		
4.	R. Brideger; (2018), Introduction to Human factor in Ergonomics, 4 th edition CRC press, NY.		
5.	M. Chuhan; (2015), Ergonomics Practical Manuals for beginners, Authors press publication.		

Online Resources http://www.ilocis.org/documents/chpt29e.htm https://ehs.unc.edu/workplace-safety/ergonomics/



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Post Graduate Programme (Self-Finance)

Course Structure with effect from: 2024-2025 (NEP-2020)

M.Sc. (Home Science) Semester: II

Course Code	PHA02CRMD04	Title of the Course	Theory- Advertising & Marketing Management
Total Credits of the Course	02	Hours per Week	02

Course	To understand the importance of advertising process as key decision area		
Objectives:	for effective management decisions.		
	2. To increase students' understanding of important issues in planning and executing advertising campaigns.		
	3. To introduce the basic elements of advertising/marketing		
	communications that support brand development.		
	To be able to strategically apply advertising and communication strategies to brand needs.		
	5. To enable students to understand how brand equity contributes to corporate value and the various methods used to evaluate brand equity.		

Course	Content		
Unit	Description	Weightage*(%)	
1.	Introduction	25	
	(a) Definitions, Meaning of Marketing(b) Different concept of market		
	(c) Difference between traditional and Modern Concepts of		
	Marketing		
2.	Scope of Marketing	25	
	(a) Merchandising Functions,		
	(b) Physical distribution functions,		
	(c) Auxiliary Functions,		
	(d) Importance of Marketing.		
3.	Types of selling, Methods of selling	25	
	(a) Marketing information and planning, Integrated marketing activities		
	(b) Feedback, and control,		
	(c) Selling Versus Marketing		
4.	The Key players in Advertising:	25	
	(a) Classification of Advertisements		
	(b) On the basis of target group		
	(c) On the basis of corporate philosophy		
	(d) Corporate advertising		

Functions of advertising	
Scope of Advertising:	

Teaching-	Lecture, PowerPoint Presentations, ICT enabled Teaching, Individual/group
Assignments,	projects, Group discussions, Guest speakers, Quizzes Methodology, blackboard
Learning	and chalk.
Learning	and chalk.

Evaluation Pattern		
Sr. No.	Details of the Evaluation	Weightage
1.	Internal Written Examination (As per R.AUG.HSC4)	25%
2.	Internal Continuous Assessment in the form of Quizzes, Seminars, Assignments, Attendance	25%
3.	Semester End Examination (As per R.AUG.HSC7)	50%

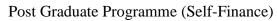
Course	Course Outcomes:		
Having	Having completed this course, the learner will be able to		
1.	Identify key aspects of advertising.		
2.	Design communications for print, social media, film video and broadcast.		
3.	Devise effective advertising and brand strategies for consumer and business goods and services.		
4.	Describe the purpose and methods of effectively managing brands including how to		
	build brand equity and establish brand identity		

Sr. No.	References
1.	J. Babu; (2018), Fundamental of Marketing Management, Abhijeet Publication
2.	Kotler Philip (2003) "Marketing management Pearson Education" Pvt. Ltd, Delhi.
3.	Sharlekar S. (1995) "Marketing Management", Himalaya Pub. House, Bombay
4.	Schoell F. (1985) "Marketing", Allyn and Bacon Inc, London.
5.	Bhushan Y.K. (1978) "Fundamentals of Business Organization & Samp; Management" Sultan Chand, New Delhi
6.	Sarkar M. (2000) "Marketing Management", Crest Pub House, New Delhi.
7.	Rajgopal (2000) "Marketing Concepts and Cases", New Age International (P) Ltd,

Online Resources
https://en.wikipedia.org/wiki/Marketing_management
https://www.coursera.org/in/articles/adevertisement
https://corporatefinanceinstitute.com/resources/advertisingmarketingmanagement/



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Course Structure with effect from: 2024-2025 (NEP-2020)



M.Sc. (Home Science) Semester: II

Course Code	PHA02CRMS01	Title of the	Theory- Research Methods and
		Course	Statistics
Total Credits of	02	Hours per	02
the Course		Week	

Course	1. To build in students' appreciation for high-quality research in each of their
Objectives:	specializations. 2. To introduce students to the skills needed in conducting research in their
	specialization.
	3. To introduce students to the principles of good scientific writing.
	4. To enable students the skills in selecting, computing, interpreting and reporting
	statistics.

Course	e Content	
Unit	Description	Weightage*(%)
1.	Introduction and Overview	25
	(a) About Research	
	(b) Steps in the research process	
	(c) Importance of research in general, and in each discipline	
	(d) Formulating research problems and hypotheses	
	(e) Literature review: Purpose, process, and sources	
2.	Research Design and Data Collection	25
	(a) Research design: Exploratory, descriptive, experimental, and	
	quasi-experimental designs	
	(b) Sampling methods: Probability and non-probability sampling	
	techniques	
	(c) Data collection methods: Primary and secondary data sources	
	Tools for data collection: Questionnaires, interviews,	
	observations, and surveys	
	(d) Ethical considerations in research	
3.	Data Analysis and Interpretation	25
	(a) Introduction to data analysis: Descriptive and inferential	
	statistics	
	(b) Measures of central tendency: Mean, median, mode	
	(c) Measures of dispersion: Range, variance, standard deviation	
	(d) Correlation and regression analysis	
	(e) Hypothesis testing: Concepts of null and alternative hypotheses,	
	types of errors, p-values, and significance levels	

4.	Statistical Techniques and Reporting	25
	 (a) Chi-square test, t-tests (independent and paired), ANOVA (b) Non-parametric tests: Mann-Whitney U test, Kruskal-Wallis test (c) Use of statistical software (e.g., SPSS, R) for data analysis (d) Interpreting statistical results (e) Writing and presenting research reports: Structure, style, and referencing 	

Teaching-	Lecture, PowerPoint Presentations, ICT enabled Teaching, Individual/group
Assignments,	projects, Group discussions, Guest speakers, Quizzes Methodology, blackboard and
Learning	chalk.

Evaluation	Evaluation Pattern		
Sr. No.	Details of the Evaluation	Weightage	
1.	Internal Written Examination (As per R.AUG.HSC4)	25%	
2.	Internal Continuous Assessment in the form of Quizzes, Seminars, Assignments, Attendance	25%	
3.	Semester End Examination (As per R.AUG.HSC7)	50%	

Cou	Course Outcomes:		
Hav	ing completed this course, the learner will be able to		
1.	Demonstrate knowledge of the scientific method, purpose and approaches to research		
2.	Compare and contrast quantitative and qualitative research		
3.	Explain research design and the research cycle		
4.	Prepare key elements of a research proposal		
5.	Explain ethical principles, issues and procedures		

Suggested I	Suggested References:	
Sr. No. References		
1.	Bhattacharyya, G.K. and Johnson, R. A. (1977). Statistical concepts and methods. NY: John Wiley.	
2.	Dwiwedi, R. S. (1997). Research methods in behavioral sciences. Delhi, Macmillan India.	

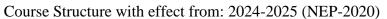
3.	Gravetter, F. J. and Waillnau, L. B. (2000). Statistics for the behavioral sciences. Belmont, CA: Wadsworth/Thomson Learning.
4.	Kerlinger, F. N. and Lee, H. B. (2000). <i>Foundations of behavioral research</i> . Orlando, Florida: Harcourt
5.	Leong, F.T.L. and Austin, J. T. (Eds.) (1996). <i>The psychology research handbook</i> . New Delhi: Sage.





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Post Graduate Programme (Self-Finance)





M.Sc. (Home Science) Semester: II

Course Code	PHA02CRMS02	Title of the	Practical- Research Methods and
		Course	Statistics
Total Credits of	02	Hours per	02
the Course		Week	

Course	1.	To build in students' appreciation for high-quality research in each of their
Objectives:		specializations.
	2.	To introduce students to the skills needed in conducting research in their
		specialization.
	3.	To introduce students to the principles of good scientific writing.
		To enable students the skills in selecting, computing, interpreting and reporting
		statistics.

Unit	Course Content	Weightage*(%)
1.	Literature Review and Referencing	10
	 (a) Searching academic databases for literature (b) Summarizing and synthesizing literature (c) Using reference management tools (e.g., EndNote, Zotero) 	
2/3.	Formulating Research Problems and Hypotheses	20
	 (a) Identifying research gaps (b) Formulating research questions and hypotheses (c) Peer review and feedback on research proposals 	
4.	Designing a Research Study	10
	 (a) Developing research designs (exploratory, descriptive, experimental) (b) Creating a research proposal (c) Ethical considerations and approval processes 	
5.	Sampling Techniques and Sample Size Calculation	10
	 (a) Demonstrating different sampling methods (b) Calculating sample sizes using statistical formulas (c) Practical exercises with real-world examples 	

6/7.	Data Collection Methods	20
	(a) Designing questionnaires and interview guides	
	(b) Conducting pilot studies	
	(c) Using online survey tools (e.g., Google Forms, SurveyMonkey)	
8.	Introduction to Research Tools and Software	10
	(a) Introduction to research tools	
	(b) Familiarization with statistical software (SPSS/R)	
	(c) Basic operations and data entry in SPSS/R	
9.	Hypothesis Testing	10
	(a) Conducting t-tests (independent and paired) in SPSS/R	
	(b) Performing ANOVA	
	(c) Interpreting results and checking assumption	
10.	Data Interpretation and Reporting	10
	(a) Analyzing and interpreting statistical output	
	(b) Drawing conclusions from data	
	(c) Writing results sections for research papers	
11/12	Research Report Writing and Presentation	20
	(a) Structuring a research report	
	(b) Writing abstracts and summaries	
	(c) Creating effective presentations of research findings	
	(d) Peer review and critique of presentations	

Teaching- Assignments.	PowerPoint Presentations, ICT enabled Teaching, Individual/group projects, Group discussions, softwares, Guest speakers, Quizzes Methodology, blackboard and chalk.
Learning	discussions, conv. area (entropy), quinter area and analysis.

Evaluation Pattern		
Sr. No.	Details of the Evaluation	Weightage
1.	Internal Written Examination (As per R.AUG.HSC4)	25%
2.	Internal Continuous Assessment in the form of Quizzes, Seminars, Assignments, Attendance	25%
3.	Semester End Examination (As per R.AUG.HSC7)	50%

Course Outcomes:	
Having c	ompleted this course, the learner will be able to
1.	Demonstrate knowledge of the scientific method, purpose and approaches to research
2.	Compare and contrast quantitative and qualitative research
3.	Explain research design and the research cycle
4.	Prepare key elements of a research proposal
5.	Explain ethical principles, issues and procedures

Suggested R	Suggested References:		
Sr. No.	References		
1.	Bhattacharyya, G.K. and Johnson, R. A. (1977). Statistical <i>concepts and methods</i> . NY: John Wiley.		
2.	Dwiwedi, R. S. (1997). <i>Research methods in behavioral sciences</i> . Delhi, Macmillan India.		
3.	Gravetter, F. J. and Waillnau, L. B. (2000). Statistics for the behavioral sciences. Belmont, CA: Wadsworth/Thomson Learning.		
4.	Kerlinger, F. N. and Lee, H. B. (2000). Foundations of behavioral research. Orlando, Florida: Harcourt		
5.	Leong, F.T.L. and Austin, J. T. (Eds.) (1996). <i>The psychology research handbook</i> . New Delhi: Sage.		

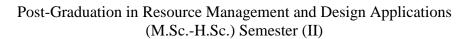


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Post Graduate Programme (Self-Finance)

Course Structure with effect from: 2024-2025 (NEP-2020)





Course Code	PHA02CRMD07		Theory- Green Practices in Tourism and Hospitality Industry
Total Credits of the Course	02	Hours per Week	02

Course	1.	Introducing students to the importance of sustainable and green
Objectives:		management practices within the tourism and hotel industry.
	2.	Understanding the difference between Sustainable and Green Tourism.
	3.	Familiarizing the students with the green practices in housekeeping.

Course	Content	
Unit	Description	Weightage*(%)
1.	Green Tourism	25
	(a) Introduction, Key Concept and Definition	
	(b) Sustainable Tourism v/s Green Tourism	
	(c) Green Tourism Practices Globally	
	(d) Tourism and biodiversity	
	(e) Issues, Challenges and Opportunities for Tourism in Green	
	Economy	
2.	Green Hospitality	25
	(a) Concept, Definition and Aims	
	(b) Green lodging	
	(c) Green Housekeeping	
	i. Use of Eco-Friendly Products in Housekeeping	
	ii. Tent cards in rooms informing guests about alternate day	
	linen changing	
	(d) Challenges and Trends in Green Hospitality	
3.	Sustainable Facility Management Practices in hospitality	25
	(a) Introduction & concept of eco-friendly practices in hotels.	
	(b) Land - Green Building	
	(c) Noise (d) Energy	
	(e) Water	
	(f) Waste Management	

	Sustainability Certification for Tourism and Hospitality	25
4.	(a) Sustainability Certification in Hotels	
	i. Types of certifications for hotels	
	ii. The Role of Sustainability Certification in hotels	
	iii. Stakeholders and Green Hospitality	
	(b) Sustainable Tourism organizations	
	i. Global Sustainable Tourism Council (GTSC), The	
	International Ecotourism Society (TIES), UN World Tourism	
	Organization (UNWTO)	
	ii. Criteria for achieving Sustainable Certification in the Tourism	
	iii. Involvement of stakeholders in the tourism industry	

Teaching-	Lecture, Power -point Presentations, ICT enabled Teaching, Individual / group
Assignments,	project, Group discussion, Guest speaker, Quizzes Methodology, blackboard and
Learning	chalk.

Evaluation Pattern		
Sr. No.	Details of the Evaluation	Weightage
1.	Internal Written Examination (As per R.AUG.HSC4)	25%
2.	Internal Continuous Assessment in the form of Quizzes, Seminars, Assignments, Attendance	25%
3.	Semester End Examination (As per R.AUG.HSC7)	50%

Cours	Course Outcomes:		
Havin	g completed this course, the learner will be able to		
	Recognize the implications of sustainable tourism and hospitality within the budding global		
1.	scenario.		
	Evolve the proficiency in applying techniques for sustainable facility management		
2.	practices.		
	Appreciate the significance of sustainability certification in the tourism and hospitality		
3.	sector.		
	Understand the contribution of stakeholders in sustainable Tourism and Hospitality		
4.	Industry		

Suggest	Suggested References:	
Sr. No.	References	
1.	Sharma Ankita Sakhuja, Maitra Rekha, Mishra Rajiv and Singh Vikas, (2020). "Issues Of Sustainability in The Hospitality and Tourism Industry", Iterative International Publishers (IIP).	
2.	Walia Sandip and Sharma Manish, (2018). "Tourism And Hospitality: Innovations, Opportunities and Challenges". Bharat Publications, New Delhi.	

3.	Cathy H. C. Hsu, Lorraine Taylor, Roy A. Cook. (2018) "Tourism: The Business of Hospitality and Travel", Global Edition, Pearson
4.	D. Kirk, (2016)., "Environmental Management for Hotels". Taylor and Francis.
5.	Jauhari Vinnie, (2014), "Managing Sustainability in the Hospitality and Tourism Industry: Paradigms and Directions for the Future". Apple Academic Press Inc.
6.	Chakravarti, B.K., (2009). "Hotel Management Theory". New Delhi: Aph Publishing Corporation.
7.	Singh, Malini and George, Jaya (2008): "Housekeeping: Operations, Design and Management". Jaico Publishing House, New Delhi.
8.	Martin Nicholas Kunz., (2006). "Best Designed Ecological Hotel". Av edition Gmbh, Csi; 2006th edition (June 29, 2006)
9.	Robinson, M., J. Swarbrooke, N. Evans, P. Long, and R. Sharpley (Eds.). 2000. "Reflections on International Tourism: Environmental Management and Pathways to Sustainable Tourism. Business Education Publishers, Ltd.

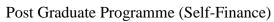
On-line Resources

https://issuu.com/sulmankhalid/docs/eco-resorts.planning.and.design.for

https://ebooks.inflibnet.ac.in/hsp04/chapter/different-records-registers-maintained-in-the-housekeeping-department/

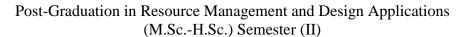


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Course Structure with effect from: 2024-2025 (NEP-2020)





Course Code	PHA02CRMD08	Title of the	Practical- Green Practices in	
		Course	Tourism and Hospitality Industry	
Total Credits of	02	Hours per	04	
the Course	02	Week	04	

Course Objectives	 Familiarizing students with eco-friendly tourism and hotels globally. Acquire knowledge and skills in green housekeeping practices.
	3. Develop the understanding of the certifications required in hospitality for
	sustainable environment.

Course	e Content	
Unit	Description	Weightage*
1.	Create a portfolio comprising of five eco-friendly international tourist destinations and five eco-friendly tourist destinations within India. Also outline their environmentally sustainable initiatives.	10
2.	Market survey and class presentation of the green products and equipment used in hospitality.	10
3.	Learning the techniques of Green Housekeeping.	10
4.	Prepare a role play to create awareness regarding green tourism.	10
5.	Discovering the waste management practices in small hotels / restaurants.	10
6.	Making a report on types of Certifications required in hotels for sustainability.	10
7.	Listing the actionable measures eco-conscious travelers can implement to minimize environmental impact.	10
8.	Prepare a brochure on green tourism.	10
9.	Undertake a small-scale project investigating sustainable facility management practices in a nearby hotel within the hospitality sector, with a specific focus on energy conservation, water management, and noise reduction.	10
10.	Visit to a hotel / resort to learn their green practices within the organization.	10

Teaching-	Practical	Implementation,	Scrapbook,	Demonstration,	Blended	Learning,
Learning	Workshop	Workshops, Film show, Role plays, Projects, Market survey.				
Methodology						

Evaluation	Evaluation Pattern		
Sr. No.	Details of the Evaluation	Weightage	
1.	Internal Written Examination (As per R.AUG.HSC4)	25%	
2.	Internal Continuous Assessment in the form of Quizzes, Seminars, Assignments, Attendance	25%	
3.	Semester End Examination (As per R.AUG.HSC7)	50%	

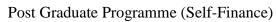
Cour	Course Outcomes: Having completed this course, the learner will be able to		
1.	Appreciate the importance of the hospitality industry and the diligent efforts of the front office and housekeeping.		
2.	Understand the role of travelers in green tourism.		
3.	Prepare themselves for effective job performance in tourism and hospitality industry by learning sustainable facility management practices.		

Suggested	l References:
Sr. No.	References
1.	Sharma Ankita Sakhuja, Maitra Rekha, Mishra Rajiv and Singh Vikas, (2020). "Issues Of Sustainability in The Hospitality and Tourism Industry", Iterative International Publishers (IIP).
2.	Walia Sandip and Sharma Manish, (2018). "Tourism And Hospitality: Innovations, Opportunities and Challenges". Bharat Publications, New Delhi.
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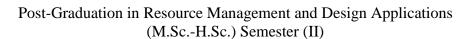


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Course Structure with effect from: 2024-2025 (NEP-2020)





Course Code	PHA02ERMD01	Title of the Course	Theory-Human Resource Management
Total Credits of the Course	02	Hours per Week	02

Course	1) To understand and appreciate the importance of the human resources vis-
Objectives:	a-vis other resources of the organisation.
	2) To familiarize the students with methods and techniques of HRM.
	3) To equip them with the application of the HRM tools in real world business
	situations.

Course	e Content	
Unit	Description	Weightage*(%)
1.	Human Resources Management - Context and Concept of People Management in a Systems Perspective - Organisation and Functions of the HR and Personnel Department - HR Structure and Strategy.	25
2.	Recruitment and Selection - Human Resource Information System Manpower Planning - Selection – Induction & Orientation Performance and Potential Appraisal - Coaching and Mentoring HRM issues and practices in the context of Outsourcing as a strategy Human Resources Development – Training and Development Methods - Design & Evaluation of T&D Programmes - Career Development - Promotions and Transfers	25
3.	Financial Compensation Productivity and Morale Principal Compensation Issues & Management Job Evaluation Productivity, Employee Morale and Motivation Stress Management Quality of Work Life	25
4.	Building Relationships – Facilitating Legislative Framework - Trade Unions - Managing Conflicts - Disciplinary Process - Collective Bargaining - Workers Participation in Management	25

Teaching-	Lecture, PowerPoint Presentations, ICT enabled Teaching, Individual/group
Assignments,	projects, Group discussions, Guest speakers, Quizzes Methodology, blackboard
Learning	and chalk.

Evaluation Pattern		
Sr. No.	Details of the Evaluation	Weightage
1.	Internal Written Examination (As per R.AUG.HSC4)	25%
2.	Internal Continuous Assessment in the form of Quizzes, Seminars, Assignments, Attendance	25%
3.	Semester End Examination (As per R.AUG.HSC7)	50%

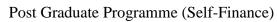
Course C	Course Outcomes:		
Having o	Having completed this course, the learner will be able to		
1.	Integrated perspective on role of HRM in modern business. Ability to plan human resources and implement techniques of job design		
2.	Competency to recruit, train, and appraise the performance of employees		
3.	Rational design of compensation and salary administration		
4.	Ability to handle employee issues and evaluate the new trends in HRM		

Sugge	Suggested References:		
Sr. No.	References		
1.	Venkata Ratnam C. S. & Srivatsava B. K.,PERSONNEL MANAGEMENT AND HUMAN RESOURCES, Tata Mc-Graw Hill, NewDelhi,		
2.	Aswathappa, HUMAN RESOURCE MANGEMENT, Tata McGraw Hill, NewDelhi, 2010		
3.	Garry Dessler & Varkkey, HUMAN RESOURCE MANAGEMENT, Pearson, New Delhi, 2009		
4.	Alan Price, HUMAN RESOURCE MANAGEMENT, Cengage Learning, NewDelhi, 2007		
5.	Pravin Durai, HUMAN RESOURCE MANGEMENT, Pearson, New Delhi,2010		
6.	Snell, Bohlander & Vohra, HUMAN RESOURCES MANAGEMENT, Cengage, NewDelhi, 2010		

Online Resources
https://en.wikipedia.org/wiki/Human_resource_management
https://www.coursera.org/in/articles/human-resource-management
https://corporatefinanceinstitute.com/resources/management/human-resource-management/
https://www.aihr.com/blog/human-resource-basics/

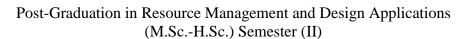


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Course Structure with effect from: 2024-2025 (NEP-2020)

M.Sc. (Home Science) Semester: II



Course Code	PHA02EPHN01	Title of the Course	Theory - Community Health Management
Total Credits of the Course	2	Hours per Week	2

Course Objectives	1.	The students will be able to get an general view of healthcare system and
		their characteristics.
	2.	They will be able to identify health needs and problems of individuals,
		family and community.

Unit	Course Content	Weightage* (%)
1	(a) Concepts of health, positive health, definitions of health, factors affecting health(b) Concept of community health and global health	20
	(c) Primary health care roe of public nutritionist in health care delivery	
2	(a) Sectors and public policies relevant to nutrition	20
3	(a) Population dynamics-demographic transition, population structure, fertility behaviour, population policy, nutrition and quality life inter relationship	20
4	 (a) National food and nutrition policy plan of action and programmes (b) Approaches and strategies for improving nutritional status and health (c) Health based interventions, food-based intervention inclusion and genetic improvement, supplementary feeding, nutrition. 	20
5	(a) Programme design planning, implementation, operations monitoring surveillance and evaluation	20

Teaching-	Lecture, Questions-Answer, Discussion, Brainstorming, Observational method, Use
Learning	of ICT
Methodology	

Evaluation	Evaluation Pattern		
Sr. No.	Details of the Evaluation	Weightage	
1.	Internal Written Examination (As per R.AUG.HSC4)	25%	
2.	Internal Continuous Assessment in the form of Quizzes, Seminars, Assignments, Attendance	25%	
3.	Semester End Examination (As per R.AUG.HSC7)	50%	

Course C	Course Outcomes:		
Having c	Having completed this course, the learner will be able to		
1.	Understand nutrition problems existing in the community. Gain insight into the principles and contemporary challenges of Public Health Nutrition.		
2.	Acquire a thorough understanding of the National Health Care Delivery System.		
3.	Explore the interplay between population dynamics, economic factors, and malnutrition, and their implications for national development.		
4.	Examine the root causes and effects of nutritional issues within communities		
5.	Develop familiarity with the concept and importance of food and nutrition security.		

Reference	es
Sr. No	References
1	Health Care Management by Anam Faruqui Published by Orange books 2021, ISBN-1397893.
2	Public Health Management, Principles and Practice, 3rd Edition, 2022 by Lal. S, CBS publishers: ISBN no9789354663604,
3	Text book of Community health for health Inspector, B Sridhar Rao, AIBS Publishers, India, ISBN-13,974734896

On-line resources to be used if available as reference material
On-line Resources
Relevant entries on Wikipedia and Encyclopaedia Britannica