

S.M.PATEL COLLEGE OF HOME SCIENCE
(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. No.	Core/ Elective	Course No	Title	T/ P	Credits Per Week	Contact hrs/ week	Exam Duration in hrs	Marks		
								Internal	External	Total
Core Course										
1	C	PHA02CRMD01	Sustainable Household Technologies	T	2	2	01:30	25/9	25/9	50/18
2	C	PHA02CRMD02	Ergonomics and Product designing	T	4	4	02:30	50/18	50/18	100/36
3	C	PHA02CRMD03	Ergonomics and Product designing	P	2	4	2	25/9	25/9	50/18
4	C	PHA02CRMD04	Advertising & Marketing Management	T	2	2	01:30	25/9	25/9	50/18
5	C	PHA02CRMS01	Research Methods and Statistics	T	2	2	01:30	25/9	25/9	50/18
6	C	PHA02CRMS02	Research Methods and Statistics	P	2	4	2	25/9	25/9	50/18
7	C	PHA02CRMD07	Green Practices in Tourism & Hospitality Industry	T	2	2	01:30	25/9	25/9	50/18
8	C	PHA02CRMD08	Green Practices in Tourism & Hospitality Industry	P	2	4	2	25/9	25/9	50/18
Elective Course										
9	E	PHA02ERMD01	Human Resource Management	T	2	2	01:30	25/9	25/9	50/18
10	E	PHA02EPHN01	Community Health Management	T	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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M.Sc. (Home Science) Semester: II



Post-Graduation in Resource Management and Design Applications (M.Sc.-H.Sc.) 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:	<ol style="list-style-type: none"> To gain a comprehensive understanding of energy consumption patterns in households. To evaluate and compare different sustainable technologies for the home. To analyse the life cycle impact of household products and materials. To design and propose solutions for creating a more sustainable living environment. To develop critical thinking skills to assess the benefits and drawbacks of various sustainable technologies.
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Course Content		
Unit	Description	Weightage*(%)
1.	Introduction to Sustainable Households <ol style="list-style-type: none"> Definition of sustainable living and its application to households Understanding household energy consumption patterns Environmental impact of traditional household practices Policy and economic considerations for sustainable households 	25
2.	Sustainable Materials & Construction <ol style="list-style-type: none"> Life cycle assessment (LCA) of household products Sustainable building materials (recycled content, low embodied energy) Energy-efficient construction techniques Green building rating systems 	25
3.	Sustainable Water Technologies for the Home <ol style="list-style-type: none"> Smart water monitoring systems Water conservation strategies and technologies (low-flow fixtures, rainwater harvesting) Water treatment and purification systems 	25
4.	<ol style="list-style-type: none"> Rainwater Harvesting Rainwater harvesting for various uses (irrigation, toilet flushing, laundry). Benefits of vermicomposting for waste reduction and sustainable living Environmental impact of vermicomposting compared to traditional composting. 	25

Teaching-Assignments, Learning	Lecture, PowerPoint Presentations, ICT enabled Teaching, Individual/group projects, Group discussions, Guest speakers, Quizzes Methodology, blackboard and chalk.
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Evaluation Pattern		
Sr. No.	Details of the Evaluation	Weightage
1.	Internal Written Examination (As per R.AUG.HSC. -4)	25%
2.	Internal Continuous Assessment in the form of Quizzes, Seminars, Assignments, Attendance	25%
3.	Semester End Examination (As per R.AUG.HSC. -7)	50%

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

<https://blueandgreentomorrow.com/features/technologies-that-can-help-make-home-green/>



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M.Sc. (Home Science) Semester: II

Post-Graduation in Resource Management and Design Applications
 (M.Sc.-H.Sc.) 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 Objectives:	<ol style="list-style-type: none"> 1. To understand the fundamentals of ergonomics and its relevance to 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.
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Course Content		
Unit	Description	Weightage *(%)
1.	About Ergonomics <ol style="list-style-type: none"> 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 	25
2.	Musculoskeletal System <ol style="list-style-type: none"> (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 	25
3.	Posture-Strength Relationships <ol style="list-style-type: none"> (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 (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	25
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Teaching-Assignments, Learning	Lecture, PowerPoint Presentations, ICT enabled Teaching, Individual/group projects, Group discussions, Guest speakers, Quizzes Methodology, blackboard and chalk.
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Evaluation Pattern		
Sr. No.	Details of the Evaluation	Weightage
1.	Internal Written Examination (As per R.AUG.HSC. -4)	25%
2.	Internal Continuous Assessment in the form of Quizzes, Seminars, Assignments, Attendance	25%
3.	Semester End Examination (As per R.AUG.HSC. -7)	50%

Course Outcomes: 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

Suggested References:	
Sr. No.	References
1.	Grandien (1973) 'Ergonomics of the Home" Taylor & Frances.
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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M.Sc. (Home Science) Semester: II

Post-Graduation in Resource Management and Design Applications
 (M.Sc.-H.Sc.) 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 Objectives:	<ol style="list-style-type: none"> To understand the fundamentals of ergonomics and its relevance to product design. To apply human-centred design principles in designing products that prioritize user needs and preferences. To explore the relationship between human movement, posture, and product usability. To examine the design considerations for hand tools and sports equipment to optimize ergonomics.
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Course Content		
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-Assignments, Learning	Lecture, PowerPoint Presentations, ICT enabled Teaching, Individual/group projects, Group discussions, Guest speakers, Quizzes Methodology, blackboard and chalk.
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Evaluation Pattern		
Sr. No.	Details of the Evaluation	Weightage
1.	Internal Written Examination (As per R.AUG.HSC. -4)	25%
2.	Internal Continuous Assessment in the form of Quizzes, Seminars, Assignments, Attendance	25%
3.	Semester End Examination (As per R.AUG.HSC. -7)	50%

Course Outcomes:	
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.
4.	Work efficiently while maintaining health and wellbeing.

Suggested References:	
Sr. No.	References
1.	Grandien (1973) 'Ergonomics of the Home' Taylor & Frances.
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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M.Sc. (Home Science) Semester: II

Post-Graduation in Resource Management and Design Applications
 (M.Sc.-H.Sc.) Semester (II)

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

Course Objectives:	<ol style="list-style-type: none"> To understand the importance of advertising process as key decision area for effective management decisions. To increase students' understanding of important issues in planning and executing advertising campaigns. 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. To enable students to understand how brand equity contributes to corporate value and the various methods used to evaluate brand equity.
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Course Content		
Unit	Description	Weightage*(%)
1.	Introduction (a) Definitions, Meaning of Marketing (b) Different concept of market (c) Difference between traditional and Modern Concepts of Marketing	25
2.	Scope of Marketing (a) Merchandising Functions, (b) Physical distribution functions, (c) Auxiliary Functions, (d) Importance of Marketing.	25
3.	Types of selling, Methods of selling (a) Marketing information and planning, Integrated marketing activities (b) Feedback, and control, (c) Selling Versus Marketing	25
4.	The Key players in Advertising: (a) Classification of Advertisements (b) On the basis of target group (c) On the basis of corporate philosophy (d) Corporate advertising	25

Functions of advertising Scope of Advertising:	
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Teaching- Assignments, Learning	Lecture, PowerPoint Presentations, ICT enabled Teaching, Individual/group projects, Group discussions, Guest speakers, Quizzes Methodology, blackboard and chalk.
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Evaluation Pattern		
Sr. No.	Details of the Evaluation	Weightage
1.	Internal Written Examination (As per R.AUG.HSC. -4)	25%
2.	Internal Continuous Assessment in the form of Quizzes, Seminars, Assignments, Attendance	25%
3.	Semester End Examination (As per R.AUG.HSC. -7)	50%

Course Outcomes:	
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 & 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/advertisement

https://corporatefinanceinstitute.com/resources/advertisingmarketingmanagement/



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M.Sc. (Home Science) Semester: II



Post-Graduation in Resource Management and Design Applications (M.Sc.-H.Sc.) Semester (II)

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

Course Objectives:	<ol style="list-style-type: none"> 1. To build in students' appreciation for high-quality research in each of their 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.
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Course Content		
Unit	Description	Weightage*(%)
1.	Introduction and Overview <ol style="list-style-type: none"> (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 	25
2.	Research Design and Data Collection <ol style="list-style-type: none"> (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 	25
3.	Data Analysis and Interpretation <ol style="list-style-type: none"> (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 	25

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-Assignments, Learning	Lecture, PowerPoint Presentations, ICT enabled Teaching, Individual/group projects, Group discussions, Guest speakers, Quizzes Methodology, blackboard and chalk.
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Evaluation Pattern		
Sr. No.	Details of the Evaluation	Weightage
1.	Internal Written Examination (As per R.AUG.HSC. -4)	25%
2.	Internal Continuous Assessment in the form of Quizzes, Seminars, Assignments, Attendance	25%
3.	Semester End Examination (As per R.AUG.HSC. -7)	50%

Course Outcomes:	
Having 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 References:	
Sr. No.	References
1.	Bhattacharyya, G.K. and Johnson, R. A. (1977). <i>Statistical 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). <i>Statistics for the behavioral sciences</i> . 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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M.Sc. (Home Science) Semester: II

Post-Graduation in Resource Management and Design Applications
 (M.Sc.-H.Sc.) Semester (II)

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

Course Objectives:	<ol style="list-style-type: none"> 1. To build in students' appreciation for high-quality research in each of their 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.
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Unit	Course Content	Weightage*(%)
1.	Literature Review and Referencing (a) Searching academic databases for literature (b) Summarizing and synthesizing literature (c) Using reference management tools (e.g., EndNote, Zotero)	10
2/3.	Formulating Research Problems and Hypotheses (a) Identifying research gaps (b) Formulating research questions and hypotheses (c) Peer review and feedback on research proposals	20
4.	Designing a Research Study (a) Developing research designs (exploratory, descriptive, experimental) (b) Creating a research proposal (c) Ethical considerations and approval processes	10
5.	Sampling Techniques and Sample Size Calculation (a) Demonstrating different sampling methods (b) Calculating sample sizes using statistical formulas (c) Practical exercises with real-world examples	10

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

Teaching-Assignments, Learning	PowerPoint Presentations, ICT enabled Teaching, Individual/group projects, Group discussions, softwares ,Guest speakers, Quizzes Methodology, blackboard and chalk.
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Evaluation Pattern		
Sr. No.	Details of the Evaluation	Weightage
1.	Internal Written Examination (As per R.AUG.HSC. -4)	25%
2.	Internal Continuous Assessment in the form of Quizzes, Seminars, Assignments, Attendance	25%
3.	Semester End Examination (As per R.AUG.HSC. -7)	50%

Course Outcomes:

Having 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 References:

Sr. No.	References
1.	Bhattacharyya, G.K. and Johnson, R. A. (1977). <i>Statistical 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). <i>Statistics for the behavioral sciences</i> . 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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M.Sc. (Home Science) Semester: II



Post-Graduation in Resource Management and Design Applications (M.Sc.-H.Sc.) Semester (II)

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

Course Objectives:	<ol style="list-style-type: none"> 1. Introducing students to the importance of sustainable and green 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.
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Course Content		
Unit	Description	Weightage*(%)
1.	Green Tourism (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	25
2.	Green Hospitality (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	25
3.	Sustainable Facility Management Practices in hospitality (a) Introduction & concept of eco-friendly practices in hotels. (b) Land - Green Building (c) Noise (d) Energy (e) Water (f) Waste Management	25

4.	<p>Sustainability Certification for Tourism and Hospitality</p> <p>(a) Sustainability Certification in Hotels</p> <ol style="list-style-type: none"> i. Types of certifications for hotels ii. The Role of Sustainability Certification in hotels iii. Stakeholders and Green Hospitality <p>(b) Sustainable Tourism organizations</p> <ol style="list-style-type: none"> 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 	25
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Teaching-Assignments, Learning	Lecture, Power -point Presentations, ICT enabled Teaching, Individual / group project, Group discussion, Guest speaker, Quizzes Methodology, blackboard and chalk.
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Evaluation Pattern		
Sr. No.	Details of the Evaluation	Weightage
1.	Internal Written Examination (As per R.AUG.HSC. -4)	25%
2.	Internal Continuous Assessment in the form of Quizzes, Seminars, Assignments, Attendance	25%
3.	Semester End Examination (As per R.AUG.HSC. -7)	50%

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

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/



S. M. PATEL COLLEGE OF HOME SCIENCE

(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



Post-Graduation in Resource Management and Design Applications (M.Sc.-H.Sc.) Semester (II)

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

Course Objectives	<ol style="list-style-type: none"> 1. Familiarizing students with eco-friendly tourism and hotels globally. 2. Acquire knowledge and skills in green housekeeping practices. 3. Develop the understanding of the certifications required in hospitality for sustainable environment.
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Course 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-Learning Methodology	Practical Implementation, Scrapbook, Demonstration, Blended Learning, Workshops, Film show, Role plays, Projects, Market survey.
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Evaluation Pattern		
Sr. No.	Details of the Evaluation	Weightage
1.	Internal Written Examination (As per R.AUG.HSC. -4)	25%
2.	Internal Continuous Assessment in the form of Quizzes, Seminars, Assignments, Attendance	25%
3.	Semester End Examination (As per R.AUG.HSC. -7)	50%

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 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.



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M.Sc. (Home Science) Semester: II



Post-Graduation in Resource Management and Design Applications (M.Sc.-H.Sc.) Semester (II)

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

Course Objectives:	<ol style="list-style-type: none"> 1) To understand and appreciate the importance of the human resources vis-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.
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Course 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-Assignments, Learning	Lecture, PowerPoint Presentations, ICT enabled Teaching, Individual/group projects, Group discussions, Guest speakers, Quizzes Methodology, blackboard and chalk.
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Evaluation Pattern		
Sr. No.	Details of the Evaluation	Weightage
1.	Internal Written Examination (As per R.AUG.HSC. -4)	25%
2.	Internal Continuous Assessment in the form of Quizzes, Seminars, Assignments, Attendance	25%
3.	Semester End Examination (As per R.AUG.HSC. -7)	50%

Course Outcomes:	
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

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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M.Sc. (Home Science) Semester: II



Post-Graduation in Resource Management and Design Applications (M.Sc.-H.Sc.) 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	<ol style="list-style-type: none"> The students will be able to get an general view of healthcare system and their characteristics. They will be able to identify health needs and problems of individuals, family and community.
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Unit	Course Content	Weightage* (%)
1	<ol style="list-style-type: none"> Concepts of health, positive health, definitions of health, factors affecting health Concept of community health and global health Primary health care role of public nutritionist in health care delivery 	20
2	<ol style="list-style-type: none"> Sectors and public policies relevant to nutrition 	20
3	<ol style="list-style-type: none"> Population dynamics-demographic transition, population structure, fertility behaviour, population policy, nutrition and quality life inter relationship 	20
4	<ol style="list-style-type: none"> National food and nutrition policy plan of action and programmes Approaches and strategies for improving nutritional status and health Health based interventions, food-based intervention inclusion and genetic improvement, supplementary feeding, nutrition. 	20
5	<ol style="list-style-type: none"> Programme design planning, implementation, operations monitoring surveillance and evaluation 	20

Teaching-Learning Methodology	Lecture, Questions-Answer, Discussion, Brainstorming, Observational method, Use of ICT
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Evaluation Pattern		
Sr. No.	Details of the Evaluation	Weightage
1.	Internal Written Examination (As per R.AUG.HSC. -4)	25%
2.	Internal Continuous Assessment in the form of Quizzes, Seminars, Assignments, Attendance	25%
3.	Semester End Examination (As per R.AUG.HSC. -7)	50%

Course Outcomes: 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.

References	
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
