

Syllabus of
M.A./M.Sc. Home Science
(02 Years Degree Programme)
(Based on NEP)



Department of Home Science
Faculty of Science
Siddharth University
Siddharth Nagar, Kapilvastu, U.P. 272202

M.A./ M.Sc. (Home Science)

Year	Semester	Course Name	Course Code	Course Type	Credits	Total credits semester wise
First year	I	Research Methodology in Home Science	MHOC 501	Core	4 (4+0)	24
		Communication for development	MHOC 502	Core	4 (4+0)	
		Principles of Food Science	MHOC 503	Core	4(4+0)	
		Based on above three courses	MHOL 504	Practical	4 (0+4)	
		Minor elective (will be chosen from other faculty/department)	MHOE 505	Elective	4(4+0)	
		Research project	MHOP 506	Dissertation	4 (0+4)	
	II	Entrepreneurship	MHOC 511	Core	4 (4+0)	20
		Apparel and Fashion Designing	MHOC 512	Core	4 (4+0)	
		Principles of Diet therapy	MHOC 513	Core	4 (4+0)	
		Based on above three courses	MHOL 514	Practical	4 (0+4)	
		Research project	MHOP 515	Dissertation	4(0+4)	
Second year	III	Extension Management	MHOC 601	Core	4 (4+0)	20
		Principles of Community nutrition	MHOC 602	Core	4 (4+0)	
		Electives: (Any one from below three) a) Human Development and Family Relations b) Ergonomics c) Gender studies	MHOE 603	Elective	4 (4+0)	
		Based on above three courses	MHOL 604	Practical	4 (0+4)	
		Research project	MHOP 605	Dissertation	4(0+4)	
	IV	Programme planning and evaluation	MHOC 611	Core	4 (4+0)	20
		Food Product Development	MHOC 612	Core	4 (4+0)	
		Electives: (Any one from below three) a) Interior Designing b) Dyeing, Printing and Laundry c) ICT and communication	MHOE 613	Elective	4 (4+0)	
		Based on above three courses including Seminar- Recent Advances in Extension & Communication	MHOL 614	Practical	4 (0+4)	
		Research project	MHOP 615	Dissertation	4 (0+4)	



SIDDHARTH UNIVERSITY

Kapilvastu. Siddharth Nagar (UP)- 272202

Proposed Course for M.Sc. H.Sc.

Course Title: RESEARCH METHODOLOGY IN HOME SCIENCE

Course Code: MHOC 501

Credit Units: 4 (4+0)

Level: Post Graduate

Credit Distribution of the course		
Lecture (L)	Tutorial (T)	Practical (P)
4	-	-

Course Objectives: To equip students with the knowledge and skills to design, conduct, analyze, and interpret research using appropriate statistical methods in social and scientific contexts.

Pre-requisites: Graduation in Home Science

Course Contents/Syllabus:

Descriptors/Topics	Weightage (%)
UNIT I:	25
<ul style="list-style-type: none"> Meaning, Definitions, Importance and Scope of Statistics in Research. Descriptive Statistics - Classification, Tabulation, Frequency, Distribution Diagrammatic and Graphics Representation of Data. Measures of Central Tendency- Mean, Median, Mode, weighted mean etc. Dispersion, Kurtosis. Correlation, Coefficient of Correlation, Rank Correlation, Regression Type 1 And Type 2 Errors. Level of significance 	
UNIT II:	30
<ul style="list-style-type: none"> Data Collection Tools and Techniques-Observation, Telephone, Survey, Interview, Questionnaire, Case Study Etc. Non-Parametric Tests, Parametric Test, Difference between Parametric and Non Parametric Tests Chi square test and its application 	
UNIT III:	30
<ul style="list-style-type: none"> Science and scientific methods Research – Definition, need, importance and scope in Home Science. Type of Research Definition and identification of a research problem – Selection of problem, characteristics of problems, theory, hypothesis, types of hypothesis. Sampling and sampling techniques – Basic concepts: sample, universe, sampling frame, sampling unit, Type of samples, selection of sample, benefits of sampling Sampling techniques Scaling techniques, measurement, variables, postulates, index, reliability and validity of data 	

UNIT IV:	15
Report Writing – Presentation of report-format, Types, points to be kept in mind while preparing reports, footnotes, bibliographical, citations, appendices -	

Course Outcomes:

The Students at the completion of course will be able to:

- Apply basic statistical tools for data analysis, including descriptive and inferential statistics.
- Design and conduct research using appropriate methods and sampling techniques.
- Develop research instruments like questionnaires and analyze data using parametric and non-parametric tests.
- Preparation of research reports with proper structure, citations, and presentation of findings.

Pedagogy for Course Delivery: The Course Will Be Delivered In The Form Of Lectures And Discussions.

Assessment/ Examination Scheme:

Evaluation Scheme and Mode Will Be As Per the Guidelines Notified By the Siddharth University, Kapilvastu, Siddharth Nagar

Textbooks/ References Books:

1. Kothari, C. R. (2004). *Research Methodology: Methods and Techniques* (2nd ed.). New Age International Publishers.
2. Gupta, S. P. (2020). *Statistical Methods*. Sultan Chand & Sons.
3. Aggarwal, Y. P. (2009). *Statistical Methods: Concepts, Applications and Computation*. Sterling Publishers
4. Gay, L. R., Mills, G. E., & Airasian, P. (2011). *Educational Research: Competencies for Analysis and Applications* (10th ed.). Pearson Ed
5. R. Panneerselvam – Research Methodology (PHI Learning Pvt. Ltd.)
6. P.V. Young – Scientific Social Surveys and Research
7. डॉ. सी. आर. कोठारी – शोध पद्धति: विधियाँ और तकनीकें (अनूदित संस्करण, न्यू एज इंटरनेशनल)
8. डॉ. गोपाल मिश्रा – शोध पद्धति एवं सांख्यिकी
9. डॉ. ओमप्रकाश शर्मा – अनुसंधान पद्धति एवं सांख्यिकी
10. Bajpai SR. 1966. METHODS of social Survey and Research. Kitab Ghar.
11. Best W. 1983. Research in Education. 4th edn. Prentice Hall of India.
12. Carter Good V. 1966. Essential of Education Research. Appleton Century Profits, Educational Division, Mereelith Corp.
13. Kaul Lokesh. 1984. Methodology of Education Research. Vikas Publ.
14. Kerlinger F. 1973. Foundations of Behavioural Research. Rinehart Winetons.

<u>Record Matrix</u>	
<u>To be Filled By Institution</u>	
Date of Introduction of course:	July 2025 (Proposed)
Date of Last Revision:	Not Applicable
Version*:	1st
Percentage of revision:	Not applicable (New Course)



SIDDHARTH UNIVERSITY

Kapilvastu. Siddharth Nagar (UP)- 272202

Proposed Course for M.Sc. H.Sc.

Course Title: COMMUNICATION FOR DEVELOPMENT

Course Code: MHOC 502

Credit Units: 4 (4+0)

Level: Post Graduate

Credit Distribution of the course		
Lecture (L)	Tutorial (T)	Practical (P)
4	-	-

Course Objectives: To develop students understanding on communication process and its vital role in development.

Pre-requisites: Graduation in Home Science

Course Contents/Syllabus:

Descriptors/Topics	Weightage (%)
Unit I: Basics of communication	25
<ul style="list-style-type: none">• Concept, meaning, Definition, functions, , importance, types and levels• Elements and barriers of communication• Feedback in communication	
Unit II: Models and theories in communication	25
Lasswell's formula, Shanon & Weaver mathematical model, Osgood & Schramm's model, Berlo's SMCR model, Gerbner's general model of mass communication; Schramm's model of mass communication, Westley & MacCleans model of Communication research, Katz & Lazarfeld's 2 step flow of Communication model, Spiral of Silence etc.	
Unit III: Communication approaches	25
Individual, group and mass communication- Characteristics and limitations	
Unit IV: Audio Visual Aids	25
<ul style="list-style-type: none">• Meaning, Classification• Projected and non-projected aids• advantages and disadvantages, criteria for evaluation of audio-visual aids	

Course Outcomes:

- Gain knowledge on the need and importance of communication and its significance in development
- Understanding barriers in communication and its removal strategies
- Impactful use of Audio Visual Aids

Pedagogy for Course Delivery:

The course will be delivered in the form of lectures and discussions.

Assessment/ Examination Scheme:

Evaluation scheme and mode will be as per the guidelines notified by the Siddharth University, Kapilvastu, Siddharth Nagar

Textbooks/ References Books:

- Reddy A : Extension Education, Bapatia, India, Sri Laxmi Press
- Ray, G. L. Extension Communication and Management. Kalyani Publishers.
- Dahama, O.P. and Bhatnagar, O.P. Education and Communication for Development. Oxford and IBH Publishing Co. Pvt. Ltd.
- Sandhu, A.S. Textbook on Agricultural Communication: Process and Methods. Oxford and IBH Publishing Co. Pvt. Ltd.
- ManjuPatni, Prasaar Siksha ewam sanchar
- ManjuPatni and Harplani. Prasar Siksha and Sanchar. Star Publications.
- Chauhan Jitendra (2016): Communication and Extension Management, 2nd edn, Kushal Publications and Distributors.
- Dahama O P and Bhatnagar O P. (2012): Education and Communication for Development, 2nd edn, Oxford and IBH Publishing Co. Pvt. Ltd.
- Dubey V K and Bishnoi Indira (2009): Extension Education and Communication, First edition., New Age International Publishers, New Delhi.
- Grover Indu, Yadav Lali, Kaushik Sushma and Varma Shashi Kanta (2002): Communication and Instructional Technology, Agrotech Publishing Academy, Udaipur.
- Lal Harmesh, Bhushan Shailendra and Kumar Meenu (2018): Audio-Visual Aids to Educational Technology.

<u>Record Matrix</u>	
<u>To be Filled By Institution</u>	
Date of Introduction of course:	July 2025 (Proposed)
Date of Last Revision:	Not Applicable
Version*:	1st
Percentage of revision:	Not applicable (New Course)



SIDDHARTH UNIVERSITY

Kapilvastu. Siddharth Nagar (UP)- 272202

Proposed Course for M.Sc. H.Sc.

Course Title: PRINCIPLES OF FOOD SCIENCE

Course Code: MHOC 503

Credit Units: 4 (4+0)

Level: Post Graduate

Credit Distribution of the course		
Lecture (L)	Tutorial (T)	Practical (P)
4	-	-

Course Objectives: To provide foundational knowledge of the physical, chemical, and biological principles affecting food composition, processing, preservation, and safety.

Pre-requisites: Graduation in Home Science

Course Contents/Syllabus:

Descriptors/Topics	Weightage (%)
Unit I:	30
<ul style="list-style-type: none">Definition of nutrients, nutrition, food and food science. Concept of nutrition, adequate nutrition, malnutrition (over nutrition, under nutrition and imbalance nutrition).Cereals: Definition of gelatinization, dextrinization, gluten. Structure, nutritional composition, types and selection, various preparation and changes during preparations	
Unit II:	30
<ul style="list-style-type: none">Pulses and legumes- composition, types and selection, different ways of preparations, effect of cooking on nutritive value.Vegetables and fruits- composition, care in storage, methods of cooking, losses during cooking.	
Unit III:	20
<ul style="list-style-type: none">Milk and milk products- types and nutritional composition, preparation, effect of cooking and use in cookery.Eggs- structure, composition, methods to evaluate quality of eggs, methods of cooking and uses in cookery	
UNIT IV:	20
<ul style="list-style-type: none">Meat, fish and poultry- types, meat tenderness, factors affecting tenderness, methods of cooking, effect of cooking on nutritive value.Fats and oils- types and use in cookery	

Course Outcomes: Students at the completion of course will be able to:

1. Define core concepts of nutrition, nutrients, food, and food science, and differentiate between types of malnutrition.
2. Understand the composition and cooking behavior of cereals, pulses, legumes, vegetables, and fruits, including nutrient changes during processing.
3. Describe the structure, preparation methods, and nutritive value of meat, fish, poultry, fats, and oils used in cookery.

Pedagogy for Course Delivery:

The course will be delivered in the form of lectures and discussions.

Assessment/ Examination Scheme:

Evaluation scheme and mode will be as per the guidelines notified by the Siddharth University, Kapilvastu, Siddharth Nagar

Textbooks/ References Books:

1. Bamji MS, Krishnaswamy K, Brahman GNV (2009). Textbook of Human Nutrition, 3rd edition.
2. Oxford and IBH Publishing Co. Pvt. Ltd.
3. Srilakshmi (2007). Food Science, 4th Edition. New Age International Ltd.
4. Wardlaw and Insel MG, Insel PM (2004). Perspectives in Nutrition, Sixth Edition.
5. Belitz HD and Grosch W (1999) Food Chemistry Springer Verlag Berlin Heidelberg

<u>Record Matrix</u>	
<u>To be Filled By Institution</u>	
Date of Introduction of course:	July 2025 (Proposed)
Date of Last Revision:	Not Applicable
Version*:	1st
Percentage of revision:	Not applicable (New Course)



SIDDHARTH UNIVERSITY

Kapilvastu. Siddharth Nagar (UP)- 272202

Proposed Course for M.Sc. H.Sc.

Course Title: PRACTICAL

Course Code: MHOC 504

Credit Units: 4 (0+4)

Level: Post Graduate

Credit Distribution of the course		
Lecture (L)	Tutorial (T)	Practical (P)
4	-	-

Course Objectives: To equip students with the practical skills in dealing with raw data, community, communication skills and effect of some factors on foods.

Pre-requisites: Graduation in Home Science

Course Contents/Syllabus:

Descriptors/Topics	Weightage (%)
UNIT I:	30
<ul style="list-style-type: none">• Calculation of central tendency measures• Graphical Representation of Data• Developing Hypothesis And Objectives• Developing Scales, Questionnaire, Index, Interview Schedule etc.• Preparation of an abstract• Paper for publication• Preparation of A report	
UNIT II:	35
<ul style="list-style-type: none">• Interaction with community and understand the felt and unfelt need• Understanding communication process, error and gap• Developing various audio visual aids• Develop common information materials• Recreating communication process in classroom	
UNIT III:	35
<ul style="list-style-type: none">• Cereals: Gelatinization and dextrinization• Pluses: Effect of cooking and processing methods• Soaking, germination and fermentation of pulses• Milk and Milk products: Effect of acids, salts, alkali, sugar, heat• Eggs: Methods of egg cookery and effect of heat.• Emulsion - mayonnaise preparation.• Sugar Cookery: Stages of sugar cookery.• Fats and Oils: Melting point, Smoke point. Suitability of different fats its medium for cooking.	

Course Outcomes:

The Students at the completion of course will be able to:

- Apply basic statistical tools for data analysis, including descriptive and inferential statistics.

- Design and conduct research using appropriate methods and sampling techniques.
- Develop research instruments like questionnaires and analyze data using parametric and non-parametric tests.
- Prepare research reports with proper structure, citations, and presentation of findings.
- Analysis of communication channels.
- Communication with communities
- Practical analysis of food grains.

Pedagogy for Course Delivery: The Course Will Be Delivered In The Form Of Lectures And Discussions.

Assessment/ Examination Scheme:

Evaluation Scheme and Mode Will Be As Per the Guidelines Notified By the Siddharth University, Kapilvastu, Siddharth Nagar

Textbooks/ References Books:

1. **Kothari, C. R.** (2004). *Research Methodology: Methods and Techniques* (2nd ed.). New Age International Publishers.
2. **Gupta, S. P.** (2020). *Statistical Methods*. Sultan Chand & Sons.
3. **Aggarwal, Y. P.** (2009). *Statistical Methods: Concepts, Applications and Computation*. Sterling Publishers
4. **Gay, L. R., Mills, G. E., & Airasian, P.** (2011). *Educational Research: Competencies for Analysis and Applications* (10th ed.). Pearson Ed
5. **R. Panneerselvam** – *Research Methodology* (PHI Learning Pvt. Ltd.)
6. **P.V. Young** – *Scientific Social Surveys and Research*
7. Bamji MS, Krishnaswamy K, Brahmam GNV (2009). Textbook of Human Nutrition, 3rd edition.
8. Oxford and IBH Publishing Co. Pvt. Ltd.
9. Srilakshmi (2007). Food Science, 4th Edition. New Age International Ltd.
10. Wardlaw and Insel MG, Insel PM (2004). Perspectives in Nutrition, Sixth Edition.
11. Belitz HD and Grosch W (1999) Food Chemistry Springer Verlag Berlin Heidelberg
12. Reddy A : Extension Education, Bapatia, India, Sri Laxmi Press
13. Ray, G. L. Extension Communication and Management. Kalyani Publishers.
14. Dahama, O.P. and Bhatnagar, O.P. Education and Communication for Development. Oxford and IBH Publishing Co. Pvt. Ltd.
15. Sandhu, A.S. . Textbook on Agricultural Communication: Process and Methods. Oxford and IBH Publishing Co. Pvt. Ltd.
16. ManjuPatni, PrasaarSikshaewamsanchar
17. ManjuPatni and Harplani. PrasarSiksha and Sanchar. Star Publications.
18. Chauhan Jitendra (2016): Communication and Extension Management, 2nd edn, Kushal Publications and Distributors.
19. Dahama O P and Bhatnagar O P. (2012): Education and Communication for Development, 2nd edn, Oxford and IBH Publishing Co. Pvt. Ltd.
20. Dubey V K and Bishnoi Indira (2009): Extension Education and Communication, First edition., New Age International Publishers, New Delhi.
21. Grover Indu, Yadav Lali, Kaushik Sushma and Varma Shashi Kanta (2002): Communication and Instructional Technology, Agrotech Publishing Academy, Udaipur.

<u>Record Matrix</u>	
<u>To be Filled By Institution</u>	
Date of Introduction of course:	July 2025 (Proposed)
Date of Last Revision:	Not Applicable
Version*:	1st
Percentage of revision:	Not applicable (New Course)



SIDDHARTH UNIVERSITY

Kapilvastu. Siddharth Nagar (UP)- 272202

Proposed Course for M.Sc. H.Sc.

Course Title: MINOR HOME SCIENCE

Course Code: MHOC 505

Credit Units: 4 (4+0)

Level: Post-graduate

Credit Distribution of the course		
Lecture (L)	Tutorial (T)	Practical (P)
04	-	-

Course Objectives: To aware students about importance of Home science with scientific application of the subject in day to day life.

Pre-requisites: Graduation in Home Science

Course Contents/Syllabus:

Descriptors/Topics	Weightage (%)
Unit I: Basics of Home Science and Foods and Nutrition	25
<ul style="list-style-type: none">Meaning, scope, importance and History of Home science with special reference to present timeBasic concepts of nutrition and dietetics.Nutritional requirements during different life stages (infancy to old age).Public health nutrition – malnutrition, deficiency diseases, obesity, lifestyle disorders.	
Unit II: Human Development and Family Studies	25
<ul style="list-style-type: none">Development across the life span (Infancy, childhood, adolescence, adulthood, old age).Family dynamics, roles, and responsibilities.Parenting style and family welfare.Children with special needs – their needs and programmes for their development	
Unit III: Textile and Clothing	25
<ul style="list-style-type: none">Textile –meaning, definition, scopeTerminologies related to textile and clothingClassification of fibres, properties of fibresBasics of Fabric finishes	
Unit IV: Family Resource Management & Extension education and communication	25
<ul style="list-style-type: none">Management –meaning, definition and principlesFinancial management- income, its type, Budget, Tax and SavingConsumer education and lawsMeaning, definitions, scope, importance, principles and philosophy of extension educationAudio Visual Aids-classificationDigital Communication-means and characteristicsBasics of women empowerment and entrepreneurship	

Course Outcomes: After course students will be able to have basic knowledge in the subject and may applied in their day to day life.

Pedagogy for Course Delivery:

The course will be delivered in the form of lectures and discussions.

Assessment/ Examination Scheme:

Evaluation scheme and mode will be as per the guidelines notified by the Siddharth University, Kapilvastu, Siddharth Nagar

Textbooks/ References Books:

- Bamji MS, Krishnaswamy K, Brahman GNV (2009). Textbook of Human Nutrition, 3rd edition. Oxford and IBH Publishing Co. Pvt. Ltd.
- Srilakshmi (2007). Food Science, 4th Edition. New Age International Ltd.
- Dr. Vrinda Singh, (2020). Aahar Vigyan Evam Poshan (Dietetics & Nutrition)
- Dr. Reena Khanuja, (2012). Aahar Evam Poshan Vigyan
- Santrock, J. W. (2011). Life-span development. New York: McGraw-Hill.
- Singh, A. (Ed.) 2015. Foundations of Human Development. New Delhi: Tata McGraw- Hill.
- Berk, L. (2013). Child development. 9th ed. Boston: Pearson.
- Snow, C. W., & McGaha, C. G. (2003). Infant development (3rd ed.). Upper Saddle River, NJ: Prentice Hall.
- Rice, F.P. (1998). Human Development: A Lifespan Approach. New Jersey: Prentice Hall.
- Corbman, P.B. (1983). Textiles: Fibre to Fabric. McGraw-Hill Publishers.
- Dantyagi, S. (1996). Fundamentals of Textiles and their Care. India: Orient Black swan Private Limited.
- Dr. Pramila Verma. Vastra Vigyan evam Paridhan.
- Cowan, M. L. and Jungerman, M. E. 1969. Introduction to textiles. 6th edn. New York. Appleton Century – Crofts. 325 p.
- Deulkar, D. and Tarabai. 1967. Household textiles and laundry work. 3rd edn. Delhi. Atma Ram and Sons Ltd.
- Nickell & Dorsey: Management in Family Living
- Gross & Crandle: Management for Modern families
- Vargese: Introduction to Home Management
- Dr. Manju Patni. Vastravigyan, paridhan ewam parivarik sansadhan vayastha (Clothing, textiles and family resource management), Star Publications.
- Dr. Reena Khanuja, Grih Prabandha, Sadhanvayastha ewam aantarik sajja.
- Reddy A : Extension Education, Bapatia, India, Sri Laxmi Press
- Ray, G. L.. Extension Communication and Management. Kalyani Publishers.
- Dahama, O.P. and Bhatnagar, O.P. Education and Communication for Development. Oxford and IBH Publishing Co. Pvt. Ltd.
- Sandhu, A.S. . Textbook on Agricultural Communication: Process and Methods. Oxford and IBH Publishing Co. Pvt. Ltd.
- Chauhan Jitendra (2016): Communication and Extension Management, 2nd edn, Kushal Publications and Distributors.
- Dahama O P and Bhatnagar O P. (2012): Education and Communication for Development, 2nd edn, Oxford and IBH Publishing Co. Pvt. Ltd.
- Dubey V K and Bishnoi Indira (2009): Extension Education and Communication, First edition., New Age International Publishers, New Delhi.
- Grover Indu, Yadav Lali, Kaushik Sushma and Varma Shashi Kanta (2002): Communication and Instructional Technology, Agrotech Publishing Academy, Udaipur.
- Sandhu AS, and Sandhu Anoop Singh (2019): Textbook on Agricultural Communication (Process and Methods), CBS Publishers and Distributors Pvt. Ltd.

<u>Record Matrix</u>	
<u>To be Filled By Institution</u>	
Date of Introduction of course:	March 2025 (Proposed)
Date of Last Revision:	Not applicable
Version*:	1st
Percentage of revision:	Not applicable (New Course)



SIDDHARTH UNIVERSITY

Kapilvastu. Siddharth Nagar (UP)- 272202

Proposed Course for M.Sc. H.Sc.

Course Title: ENTREPRENEURSHIP

Course Code: MHOC 511

Credit Units: 4 (4+0)

Level: Post Graduate

Credit Distribution of the course		
Lecture (L)	Tutorial (T)	Practical (P)
4	-	-

Course Objectives: To inculcate students on various aspects of entrepreneurship and its importance in economy development.

Pre-requisites: Graduation in Home Science

Course Contents/Syllabus:

Descriptors/Topics	Weightage (%)
Unit I:	25
<ul style="list-style-type: none">Meaning, definitions, Concept, significance and scope.Qualities and characteristics of an entrepreneur, difference between manager and entrepreneurType and classification of entrepreneurship and entrepreneurEntrepreneurship development process	
Unit II:	25
<ul style="list-style-type: none">Self Help Groups - concepts, organisation, mobilization,Micro-finance and functioning of SHG for empowerment and sustainability	
Unit III:	25
<ul style="list-style-type: none">Institutes of entrepreneurship, Micro enterpriseSchemes and programmes for entrepreneurshipWomen entrepreneurs- their problems and status	
Unit IV:	25
<ul style="list-style-type: none">Empowerment- concept and types.Critical study of success stories of entrepreneurship	

Course Outcomes:

- Gain knowledge on the need and importance of entrepreneurship
- Understanding on Entrepreneurs and their characteristics
- Importance of SHGs in development
- Developing understanding on empowerment

Pedagogy for Course Delivery:

The course will be delivered in the form of lectures and discussions.

Assessment/ Examination Scheme:

Evaluation scheme and mode will be as per the guidelines notified by the Siddharth University, Kapilvastu, Siddharth Nagar

Textbooks/ References Books:

- Khanka, S.S. (2012). *Entrepreneurial Development*. S. Chand & Company.
- Hisrich, R.D., Peters, M.P., & Shepherd, D.A. (2017). *Entrepreneurship*. McGraw-Hill Education.
- Gupta, C.B. & Srinivasan, N.P. (2015). *Entrepreneurship Development in India*. Sultan Chand & Sons.
- Bahal, Ram 2008. Agripreneurship Development in India, in Dynamics of Entrepreneurship Development in Agriculture: Basics to Advances (eds) Dipak De and B. Jirli. Ganga Kaveri Publishing House, Varanasi.
- Chole, R.R. 2010. Communication and Enterprise Management. Paper presented at the Winter School on Entrepreneurship Development and Management, 15 Sept-5 Oct., ICAR, New Delhi and Dr. Panjabrao Deshmukh Krishi Vidyapeeth, Akola.
- Chole, R.R., Kapse, P.S. and Deshmukh, P.R. 2012. Entrepreneurship Development and Communication Skills. Scientific Publishers, Jodhpur.
- Desai, Vasant and Urmila Rai 2008. Entrepreneurship Development and Business Communication. Himalaya Publishing House, Mumbai.
- Leagans, J.P. 1963. The Communication Process in Rural Development. New York, Cornell International Agriculture Development Bulletin, Cornell University, Ithaca.
- Kushalakshi and A. Raghurama 2012. Rural Entrepreneurship: A Catalyst for Rural Development. International Journal of Science and Research (IJSR), Vol-3.
- Verma, R.K. et al 2018. Opportunities in agri-preneurship in India: Need, challenges and future prospects. Rashtriya Krishi, Vol 13.

<u>Record Matrix</u>	
<u>To be Filled By Institution</u>	
Date of Introduction of course:	July 2025 (Proposed)
Date of Last Revision:	Not Applicable
Version*:	1st
Percentage of revision:	Not applicable (New Course)



SIDDHARTH UNIVERSITY

Kapilvastu. Siddharth Nagar (UP)- 272202

Proposed Course for M.Sc. H.Sc.

Course Title: APPAREL AND FASHION DESIGNING

Course Code: MHOC 512

Credit Units: 4 (4+0)

Level: Post Graduate

Credit Distribution of the course		
Lecture (L)	Tutorial (T)	Practical (P)
4	-	-

Course Objectives: To have better understanding on importance of textiles in human life with focus on hands-on practices on developing few selected garments.

Pre-requisites: Graduation in Home Science

Course Contents/Syllabus:

Descriptors/Topics	Weightage (%)
UNIT I:	35
1. Unity in diversity in Indian costume – a) North India b) South India c) Western India d) East India e) Middle India 2. Elements and Principles of design.	
UNIT II:	35
1. Importance of colour, study of colour theories, colour wheel, colour in clothing. 2. Classification of design- Structural and decorative, realistic, abstract, stylised, and geometric, traditional design	
UNIT III:	30
1. Collors , sleeves, yoke, cuffs and their types. 2. Clothing for different age groups male, female - infancy, toddler, Babyhood, preschool child, adolescence adulthood, old age. 3. Introduction to the textile industry of India - its importance to the Indian economy.	

Course Outcomes:

The students at the completion of course will be able to:

- Understand regional Indian costumes and traditional dress styles across different parts of India.
- Apply elements and principles of design with knowledge of colours, patterns, and design classifications.
- Gain skills in garment drafting and construction for all age groups with practical variations.
- Explore the Indian textile industry through field visits and exhibitions, understanding its economic and cultural importance.

Pedagogy for Course Delivery: The Course Will Be Delivered In The Form Of Lectures And Discussions.

Assessment/ Examination Scheme:

Evaluation Scheme and Mode Will Be As Per the Guidelines Notified By The Siddharth University, Kapilvastu, Siddharth Nagar

Textbooks/ References Books:

- Amaden-Crawford, C. (2018). The Art of Fashion Draping. Bloomsbury Publishing Inc.USA.
- Bane, A. (1996). Creative Clothing Construction. McGraw-Hill Publication, USA.
- Bane, A. (1972). Flat Pattern Design. McGraw-Hill Publication, USA.
- Bray, N. (2003). Dress Fitting: Basic Principles and Practice. Classic Edition, Blackwell Publishing.
- Cooklin, G. (1991). Pattern Grading for Women's Clothes. Blackwell Publishing.
- Goulbourn, M. (1998). Introducing Fashion Cutting, Grading and Modelling. Batsford Publications, UK.
- Handford, J. (2003). Professional Pattern Grading for Women's, Men's and Children's Apparel. Fairchild Books, New York.
- Kiisel, K. (2020). Draping: The Complete Course. Laurence King Publishing.
- Mee, J. and Purdy, M. (1987). Modelling on the Dress Stand. BSP Professional Books. 10.
- Tate, S.L. (2003). Inside Fashion Design. 5th edn. Prentice Hall Publishing Co. 11.
- Taylor, P.J. and Shoben, M.M. (1990). Grading for the Fashion Industry. Stanely Homes Ltd.
- 12. Winfred, A. (2015). Metric Pattern Cutting for Women's Wear. Blackwell Publishing

<u>Record Matrix</u>	
<u>To be Filled By Institution</u>	
Date of Introduction of course:	July 2025 (Proposed)
Date of Last Revision:	Not Applicable
Version*:	1st
Percentage of revision:	Not applicable (New Course)



SIDDHARTH UNIVERSITY

Kapilvastu. Siddharth Nagar (UP)- 272202

Proposed Course for M.Sc. H.Sc.

Course Title: PRINCIPLES OF DIET THERAPY

Course Code: MHOC 513

Credit Units: 4 (4+0)

Level: Post Graduate

Credit Distribution of the course		
Lecture (L)	Tutorial (T)	Practical (P)
4	-	-

Course Objectives: To understand the basic principles of diet therapy, the role of diet in the prevention and management of diseases, and the modification of normal diets to meet therapeutic needs

Pre-requisites: Graduation in Home Science

Course Contents/Syllabus:

Descriptors/Topics	Weightage (%)
Unit I:	20
<ul style="list-style-type: none">Importance and scope of diet therapy, Role of dietitian in Healthcare, Nutritional assessment,	
Unit II:	30
<ul style="list-style-type: none">Adaptation of therapeutic diets – Therapeutic diets, Types of therapeutic diets, Routine hospital diets, Types of feeding (enteral and parenteral feeding)Dietary management of various disorders and disease conditions; fevers and infections, Dietary management during burns	
Unit III:	25
<ul style="list-style-type: none">Prevalence, etiology, clinical manifestations, dietary management and recent advance in the management of the following. <p>a) Obesity and Underweight c) Coronary Heart Disease. d) Metabolic Disorders e) Gastrointestinal diseases f) Liver, Gall Bladder and Pancreatic disorders. g) Nutrition in critical care</p>	
UNIT IV:	25
<ul style="list-style-type: none">Prevalence, etiology, clinical manifestations, dietary management and recent advance in the management of the following. <p>a) Renal Diseases b) Cancer c) Burns d) Infections and Fever e) Rheumatoid Arthritis, Osteoporosis and Gout.</p> <ul style="list-style-type: none">Interaction between drugs and nutrients	

Course Outcomes: Students at the completion of course will be able to:

1. Learn the classification and adaptation of therapeutic diets based on disease conditions such as fevers, burns, obesity, underweight, and gastrointestinal and metabolic disorders.
2. Analyze the etiology, clinical symptoms, and dietary management of major diseases such as cardiovascular disorders, renal diseases, cancer, liver and pancreatic disorders, osteoporosis, and critical care conditions.

Pedagogy for Course Delivery:

The course will be delivered in the form of lectures and discussions.

Assessment/ Examination Scheme:

Evaluation scheme and mode will be as per the guidelines notified by the Siddharth University, Kapilvastu, Siddharth Nagar

Textbooks/ References Books:

1. Srilakshmi B. 2019. *Dietetics*. 8th Edition, New Age International Publisher.
2. Edn., Wadsworth/Thomson Learning Inc.
3. Kathleen ML and JL Raymond. 2016. *Krause's Food and the Nutrition Care Process*. 14th Edition, Saunders, Philadelphia.
4. Mazur EE and Litch NA. 2018. *Lutz's Nutrition and Diet Therapy*. 7th Edition, F.A. Davis Company, Philadelphia.
5. McIntosh SN. 2016. *Williams' Basic Nutrition and Diet Therapy*. 15th Edition, Mosby, Maryland.
6. Schlenker E and Gilbert JA. 2014. *Williams' Essentials of Nutrition and Diet Therapy*. 11th edition, e- book.
7. "आहार चिकित्सा के सिद्धांत" – डॉ. सविता शर्मा
प्रकाशक: अग्रवाल पब्लिकेशन, आगरा

<u>Record Matrix</u>	
<u>To be Filled By Institution</u>	
Date of Introduction of course:	July 2025 (Proposed)
Date of Last Revision:	Not Applicable
Version*:	1st
Percentage of revision:	Not applicable (New Course)



SIDDHARTH UNIVERSITY

Kapilvastu. Siddharth Nagar (UP)- 272202

Proposed Course for M.Sc. H.Sc.

Course Title: PRACTICAL

Course Code: MHOC 514

Credit Units: 4 (0+4)

Level: Post Graduate

Credit Distribution of the course		
Lecture (L)	Tutorial (T)	Practical (P)
-	-	4

Course Objectives: To equip students with the practical knowledge n entrepreneurship, apparel making ad basic principles of diet therapy.

Pre-requisites: Graduation in Home Science

Course Contents/Syllabus:

Descriptors/Topics	Weightage (%)
UNIT I:	25
<ul style="list-style-type: none"> Field visit to Successful enterprises Study of Characteristics of Successful entrepreneurs Development of Project Proposal Case Studies of Success / Failure enterprises-Exercise on Market Survey-Field visit to Financial institutions Simulated exercise to understand management process-Field visit to extension organizations to understand the functions of management -Group exercise on development of short term and long term plan-Simulated exercise on techniques of decision making-Designing organizational structure -Group activity on leadership development skills. 	
UNIT II:	30
<ul style="list-style-type: none"> Drafting and construction of different garments for different age groups with variations like – baby frock, cribs, apron, tops, pants, blouse, petticoat, dresses, salwar kameez, trousers, shirts, skirts etc. Preparation of various samples on design types Class presentation of Indian costume Field visits to Textile Mills, Handlooms Sectors. Weavers service centers, Khadi and village industries, Small scale industries. Organization of an exhibition on the dresses prepared 	
UNIT III:	30
<ul style="list-style-type: none"> Therapeutic modifications of diet in terms of nutrients, consistency and Composition Planning and preparation of diet for Different metabolic disorders. Planning and preparation of diet for burns patients Planning and preparation of diet for gastrointestinal disorders, Obesity and Underweight, Heart Disease. Preparation of diet counseling aids for Common disorders. Nutritional assessment of vulnerable groups. 	

Course Outcomes:

The Students at the completion of course will be able to:

- Requirements for developing .
- Exhibit team work, problem solving and decision making in entrepreneurial activities.
- Demonstrate skills in pattern making, garment construction and finishing techniques.
- Apply principles of color, texture and fabric selection in apparel design
- Develop and implement simple therapeutic diets.

Pedagogy for Course Delivery: The Course Will Be Delivered In The Form Of Lectures And Discussions.

Assessment/ Examination Scheme:

Evaluation Scheme and Mode Will Be As Per the Guidelines Notified By the Siddharth University, Kapilvastu, Siddharth Nagar

Textbooks/ References Books:

- Ray, G. L.. Extension Communication and Management. Kalyani Publishers.
- Dahama, O.P. and Bhatnagar, O.P. Education and Communication for Development. Oxford and IBH Publishing Co. Pvt. Ltd.
- Sandhu, A.S. . Textbook on Agricultural Communication: Process and Methods. Oxford and IBH Publishing Co. Pvt. Ltd.
- ManjuPatni, PrasaarSikshaewamsanchar
- ManjuPatni and Harplani. PrasarSiksha and Sanchar. Star Publications.
- Chauhan Jitendra (2016): Communication and Extension Management, 2nd edn, Kushal Publications and Distributors.
- Dahama O P and Bhatnagar O P. (2012): Education and Communication for Development, 2nd edn, Oxford and IBH Publishing Co. Pvt. Ltd.
- Grover Indu, Yadav Lali, Kaushik Sushma and Varma Shashi Kanta (2002): Communication and Instructional Technology, Agrotech Publishing Academy, Udaipur.
- Lal Harmesh, BhushanShailendra and Kumar Meenu (2018): Audio-Visual Aids to Educational Technology.
- Ray G L (2017): Extension Communication and Management, 8th edn, Kalyani Publishers, Ludhiana.
- Bane, A. (1996). Creative Clothing Construction. McGraw-Hill Publication, USA.
- Bane, A. (1972). Flat Pattern Design. McGraw-Hill Publication, USA.
- Bray, N. (2003). Dress Fitting: Basic Principles and Practice. Classic Edition, Blackwell Publishing.
- Cooklin, G. (1991). Pattern Grading for Women's Clothes. Blackwell Publishing.
- Handford, J. (2003). Professional Pattern Grading for Women's, Men's and Children's Apparel. Fairchild Books, New York.
- Kiisel, K. (2020). Draping: The Complete Course. Laurence King Publishing.
- Mee, J. and Purdy, M. (1987). Modelling on the Dress Stand. BSP Professional Books. 10.
- Tate, S.L. (2003). Inside Fashion Design. 5th edn. Prentice Hall Publishing Co. 11.
- Taylor, P.J. and Shoben, M.M. (1990). Grading for the Fashion Industry. Stanely Homes Ltd.
- Winfred, A. (2015). Metric Pattern Cutting for Women's Wear. Blackwell Publishing
- Srilakshmi B. 2019. *Dietetics*. 8th Edition, New Age Internatioanal Publisher.
- Edn., Wadsworth/Thomson Learning Inc.
- Mazur EE and Litch NA. 2018. *Lutz's Nutrition and Diet Therapy*. 7th Edition, F.A. Davis Company, Philadelphia.
- Schlenker E and Gilbert JA. 2014. Williams' Essentials of Nutrition and Diet Therapy. 11th edition, e-book.

<u>Record Matrix</u>	
<u>To be Filled By Institution</u>	
Date of Introduction of course:	July 2025 (Proposed)
Date of Last Revision:	Not Applicable
Version*:	1st
Percentage of revision:	Not applicable (New Course)



SIDDHARTH UNIVERSITY

Kapilvastu. Siddharth Nagar (UP)- 272202

Proposed Course for M.Sc. H.Sc.

Course Title: EXTENSION MANAGEMENT

Course Code: MHOC 601

Credit Units: 4 (4+0)

Level: Post Graduate

Credit Distribution of the course		
Lecture (L)	Tutorial (T)	Practical (P)
4	-	-

Course Objectives: To develop students understanding on management in extension field and qualities to be developed as a good extension manager.

Pre-requisites: Graduation in Home Science

Course Contents/Syllabus:

Descriptors/Topics	Weightage (%)
Unit I: Concept of Extension Management:	
<ul style="list-style-type: none">Definition, process and need,models and principles of extension management,Historical management; classical approach, behaviour approach, quantitative approach and approach to management.	25
Unit II: Steps in Extension Management:	
POSTCoRB : Planning, organizing, leading, staffing, directing, coordinating, controlling, recruiting and budgeting	25
Unit III:	
Qualities of a good extension manager, functions of extension manager Theories of motivation	25
Unit IV:	25
Human relations in extension management	

Course Outcomes:

- Gain knowledge on the need and importance of communication and its significance in development
- Understanding barriers in communication and its removal strategies
- Impactful use of Audio Visual Aids

Pedagogy for Course Delivery:

The course will be delivered in the form of lectures and discussions.

Assessment/ Examination Scheme:

Evaluation scheme and mode will be as per the guidelines notified by the Siddharth University, Kapilvastu, Siddharth Nagar

Textbooks/ References Books:

- Gupta CB. 2001. Management Theory and Practice. Sultan Chand & Sons.
- Indu Grover. 2008. Handbook on Empowerment and Entrepreneurship. Agrotech Public Academy.

- Khanka SS. 1999. Entrepreneurial Development. S. Chand & Co. Singh D. 1995.
- Effective Managerial Leadership. Deep & Deep Publ.
- Tripathi PC & Reddy PN. 1991. Principles of Management. Tata McGraw Hill.
- Vasanta Desai. 1997. Small Scale Industries and Entrepreneurship. Himalaya Publ. House.

<u>Record Matrix</u>	
<u>To be Filled By Institution</u>	
Date of Introduction of course:	July 2025 (Proposed)
Date of Last Revision:	Not Applicable
Version*:	1st
Percentage of revision:	Not applicable (New Course)



SIDDHARTH UNIVERSITY

Kapilvastu. Siddharth Nagar (UP)- 272202

Proposed Course for M.Sc. H.Sc.

Course Title: PRINCIPLES OF COMMUNITY NUTRITION

Course Code: MHOC 602

Credit Units: 4

Level: Post Graduate

Credit Distribution of the course		
Lecture (L)	Tutorial (T)	Practical (P)
4	-	-

Course Objectives: To understand the nutritional needs of communities, identify public health nutrition problems, and apply nutrition principles to promote health and prevent malnutrition at the community level.

Pre-requisites: Graduation in Home Science

Course Contents/Syllabus:

Descriptors/Topics	Weightage (%)
Unit I:	25
Introduction to concept of community, rural and urban communities, community health, healthcare, community nutritional and its future projections. Protein Energy malnutrition – etiology, prevalence, causes, prevention and control.	
Unit II:	25
Other Major nutritional problems – Macro nutrient deficiencies and micronutrient deficiencies, etiology, symptoms, prevention and control. Assessment of nutritional status – meaning need, objectives, and techniques. Primary Methods: Anthropometric measurement, Weight, Height skin fold, Head circumference MUAC. Chest circumference, use of growth chart, Biochemical assessment, clinical assessment..	
Unit III:	25
Secondary Methods: Diet surveys and Vital statistics, Mortality rates, survival rate, morbidity rate, fertility rate. Nutrition Monitoring and Nutrition surveillance objectives and components of nutrition monitoring and current programmes. Nutrition Surveillance – Objectives, Uses, infrastructure and computerization	
UNIT IV:	25
Nutrition Education – Need and scope, importance, theories, Nutrition education programmes – formulations, Implementation and Evaluation. Nutrition Programmes in developing and developed countries – Role of various agencies – National, International and voluntary.	

Course Outcomes: Students at the completion of course will be able to:

1. Identify major nutritional problems, including Protein Energy Malnutrition (PEM), macro and micronutrient deficiencies—along with their causes, symptoms, prevention, and control strategies.

2. Gain practical knowledge of nutritional assessment methods, including primary (anthropometric, clinical, biochemical) and secondary techniques (diet surveys, vital statistics).
3. Comprehend the role of nutrition education and programmes, including monitoring and surveillance, planning, implementation, and evaluation of national and international nutrition interventions.

Pedagogy for Course Delivery:

The course will be delivered in the form of lectures and discussions.

Assessment/ Examination Scheme:

Evaluation scheme and mode will be as per the guidelines notified by the Siddharth University, Kapilvastu, Siddharth Nagar

Textbooks/ References Books:

1. Mayer, J., Human Nutrition, Charles, C. Thomas, spring field.
2. Michael, J. Gibney, Barrie, M. Margetis, John, M. Kearney. Lenore Arab. Public Health Nutrition. Blackwell science, Blackwell Publishing Company (2004).
3. Willet Walter. Nutritional Epidemiology. Oxford University Press, Oxford, New York (1990).
4. Park, J.E. and Park, K. Text Book of Preventive and social medicine. Banarsi Das Bhanot Publishes.
5. Serimshaw N and Glesson G (ed.) (1991). Rapid Assessment Methodologies for Planning and Evaluation. Health Related Programme published by (INFDC)
6. WHO (1999) Nutrition for Health and Development Progress and Prospects. On the eve of the 21st Century WHO INHD, 99.9 Geneva
7. डॉ. सरोजिनी बक्शी "सामुदायिक पोषण" प्रकाशक: किशोरी लाल एंड संस, आगरा

<u>Record Matrix</u>	
<u>To be Filled By Institution</u>	
Date of Introduction of course:	July 2025 (Proposed)
Date of Last Revision:	Not Applicable
Version*:	1st
Percentage of revision:	Not applicable (New Course)



SIDDHARTH UNIVERSITY

Kapilvastu. Siddharth Nagar (UP)- 272202

Proposed Course for M.Sc. H.Sc.

Course Title: ELECTIVE - HUMAN DEVELOPMENT AND FAMILY RELATIONS

Course Code: MHOE 603

Credit Units: 4

Level: Post Graduate

Credit Distribution of the course		
Lecture (L)	Tutorial (T)	Practical (P)
4	-	-

Course Objectives: To understand the stages of human development and the dynamics of family relationships for promoting individual and family well-being across the life span.

Pre-requisites: Graduation in Home Science

Course Contents/Syllabus:

Descriptors/Topics	Weightage (%)
UNIT I:	25
<ul style="list-style-type: none"> • Meaning, definition and scope of child development. Growth and development- definition, principles. Methods of child study- longitudinal cross sectional and socio gram approaches. • Pregnancy- overview of birth process and Complications. Conditions affecting prenatal development. Hazards during prenatal development. - Stages of child birth and types of child birth. Latest concepts in the field of fertility. -Post Natal Care 	
UNIT II:	25
<ul style="list-style-type: none"> • Infancy (0-2 years): The Neonate Characteristics. Sensory and perceptual development during infancy. An overview of physical, social, emotional, motor, intellectual and language development from birth to two years. Theoretical approaches to early personality development - psycho sexual theory of Sigmoid Freud. Psycho Social Theory of Erik Erickson and Piagets cognitive development theory of sensory motor and pre - operational stage. • Early Childhood (3 to 6 years): Significance of early years, physical, Motor Social development. Erickson's psycho - social theory psycho analytical theories, Emotional development, speech and intellectual development. Piagets preoperational stage personality development. Psycho sexual theory - Freud's phallic period. Child training methods, accidents and prevention. Significance of play - values, types, characteristics. 	
UNIT III:	25
<ul style="list-style-type: none"> • Middle Childhood (6 – 12 years): Physical, Motor, Social - Erickson's 4th crisis of psychosocial theory and emotional development, Intellectual development and Piagets stage of Concrete operations. Moral and Personality 	

<p>development. Psychosexual Theory - Freud's Latency period. Home - school relationship.</p> <ul style="list-style-type: none"> • Adolescence (13 to 18 years): Development tasks, significance of physical, emotional, social - Erickson's 5th crisis of psychosocial theory, sexual Maturity, Intellectual development - Piagets stage of formal operations. Moral Development - Kholbergs Moral Theory. Personality development, Psychosexual Theory - Freud's Genital Period and values interests. • Adulthood (19 to 40 years): Significance of physical, emotional, social - Erickson's 7th crisis of psychosocial theory, intellectual development and personality development. Adjustments Mental Health. Welfare services for aged, recreational interest of the aged 	
UNIT IV:	25
<ul style="list-style-type: none"> • Family relationships and structure in India– Family, definition, function, Compositions and types. Nuclear, joint and extended family system. • Definition and Function of marriage –Marriage Customs and practices in Indian culture, Registration of marriage, marriage counselling: Laws pertaining to marriage and its adoption in different religious group. • Crisis in Family Life –Prolong illness, death, suicide, mental illness and unemployment. Breakup of the family - divorce, separation, Dissection, death of the partner, single parenthood 	

COURSE OUTCOME

Students at the completion of course will be able to:

- Understand principles of child development across life stages, including infancy, childhood, adolescence, and adulthood.
- Apply developmental theories (Freud, Erikson, Piaget, Kohlberg) to analyze physical, emotional, cognitive, and social growth.
- Explore family structure, relationships, and challenges including marriage, crisis, and parenting in the Indian context.

Pedagogy for Course Delivery: The Course Will Be Delivered In The Form Of Lectures And Discussions.

Assessment/ Examination Scheme:

Evaluation Scheme and Mode Will Be As Per the Guidelines Notified By The Siddharth University, Kapilvastu, Siddharth Nagar

Textbooks/ References Books:

1. Papalia, D.E., Olds, S.W., & Feldman, R.D. (2021). *Human Development*. McGraw-Hill Education.
2. Berk, L.E. (2018). *Development Through the Lifespan*. Pearson Education.
3. Rice, F.P. (2001). *Human Development: A Life-Span Approach*. Prentice Hall.
4. Kapadia, K.M. (1981). *Marriage and Family in India*. Oxford University Press.

<u>Record Matrix</u>	
<u>To be Filled By Institution</u>	
Date of Introduction of course:	July 2025 (Proposed)
Date of Last Revision:	Not Applicable
Version*:	1st
Percentage of revision:	Not applicable (New Course)



SIDDHARTH UNIVERSITY

Kapilvastu. Siddharth Nagar (UP)- 272202

Proposed Course for M.Sc. H.Sc.

Course Title: ELECTIVE -ERGONOMICS

Course Code: MHOE 603

Credit Units: 4

Level: Post Graduate

Credit Distribution of the course		
Lecture (L)	Tutorial (T)	Practical (P)
4	-	-

Course Objectives: To enable students to understand the principles of ergonomics and apply them to design efficient, safe, and comfortable work environments.

Pre-requisites: Graduation in Home Science

Course Contents/Syllabus:

Descriptors/Topics	Weightage (%)
UNIT I:	25
<ul style="list-style-type: none"> • Concept of Work : <ol style="list-style-type: none"> a) Classical concepts of work as an essential activity for survival. b) Modern concepts of work - major determinant in relationships of human behavior to develop personal, identify, self esteem, social attitudes, economic security and status symbol. • Ergonomics relating to home and family <ol style="list-style-type: none"> a) Types of work in urban and rural families <ol style="list-style-type: none"> i) Domestic and farm related tasks : Nature and characteristics to traditional bound. ii) Urban families: increased demands on time of the worker, acceptance of techniques or work simplifications. b) Rural homes - Traditional bound. 	
UNIT II:	25
<ul style="list-style-type: none"> • Work environment : Space, Indoor, Climate, Furniture, Lighting. Flooring noise • General Features : <p>a) Special requirements</p> <ol style="list-style-type: none"> i). Anthropometric dimension of workers at work and at rest ii) Elbow room, clearance space for operating equipments. iii) Circulation space in rooms and corridor, floor space, work heights when seated and standing. iv) Bodily attitudes v) Physiological effects of space. <p>b) Indoor and outdoor climate :</p>	

<ul style="list-style-type: none"> i. Temperature, Air movement, Air humidities and general air. ii. Human heat balance, heat exchange between human body and surroundings. iii. Comfort and discomfort, factors affecting comfortable temperature. iv. Ventilation, requirements of air movements. <p>c) Lighting : Adequate of lighting at work place - physiological requirements, day light and artificial lighting, psychological effects of lights and colour.</p> <p>d) Flooring :</p> <ul style="list-style-type: none"> i. Thermal properties of flooring and their effect on physical conditions at work. ii. Accident safety iii. Ease of cleaning <p>e) Noise :</p> <ul style="list-style-type: none"> i. Terms and definitions, source of noise, indoor and outdoor, noise load and noise levels. <p>Effects of noise - physical and psychological and intellectual activities</p>	
UNIT III:	25
<ul style="list-style-type: none"> • Channel of distribution of consumer goods available through <ul style="list-style-type: none"> i. Retail marketing i. Genera stores ii. Whole sale marketing 	
UNIT IV:	25
<ul style="list-style-type: none"> • Consumer aids or marketing devices : <ul style="list-style-type: none"> i. Labeling ii. Packaging iii. Guarantees iv. Branding • Consumer protection law : Definition of law, Types of law, Importance of law 	

COURSE OUTCOME: Students at the completion of course will be able to:

- Understand traditional and modern concepts of work and ergonomics in rural and urban family settings.
- Analyze work environments based on space, lighting, climate, flooring, and noise with ergonomic principles.
- Apply work simplification and space planning techniques using anthropometric data and physical fatigue studies.
- Gain knowledge of consumer rights, marketing channels, and product labeling, packaging, branding, and laws for consumer protection.

Pedagogy for Course Delivery: The Course Will Be Delivered In The Form Of Lectures And Discussions.

Assessment/ Examination Scheme:

Evaluation Scheme and Mode Will Be As Per the Guidelines Notified By The Siddharth University, Kapilvastu, Siddharth Nagar

Textbooks/ References Books:

1. Bridger, R.S. (2017). *Introduction to Human Factors and Ergonomics*. CRC Press.
2. McCormick, E.J. & Sanders, M.S. (1993). *Human Factors in Engineering and Design*. McGraw-Hill.
3. Konz, S. & Johnson, S. (2007). *Work Design: Occupational Ergonomics*. Holcomb Hathaway Publishers.

4. Bridger R S. (1994). Introduction to Ergonomics. McGraw Hill.
5. Dalela S and Saurabh. (1999). Textbook of Work Study and Ergonomics, Standard Publ.
6. Grandgean E. (1978). Ergonomics of the Home. Taylor and Francis.
7. Ian Galer. (1982). Applied Ergonomics Handbook. Butterworths and Co.
8. Panero J and Zelnik M. (1979). Human Dimension and Interior Space. Whitney Library of Design.
9. Singh S. (2007). Ergonomics Interventions for Health and Productivity. Himanshu Publ.

<u>Record Matrix</u>	
<u>To be Filled By Institution</u>	
Date of Introduction of course:	July 2025 (Proposed)
Date of Last Revision:	Not Applicable
Version*:	1st
Percentage of revision:	Not applicable (New Course)



SIDDHARTH UNIVERSITY

Kapilvastu. Siddharth Nagar (UP)- 272202

Proposed Course for M.Sc. H.Sc.

Course title: ELECTIVE - GENDER STUDIES

Course Code: MHOE 603

Credit Units: 4

Level: Post Graduate

Credit Distribution of the course		
Lecture (L)	Tutorial (T)	Practical (P)
4	-	-

Course Objectives: To understanding of gender as a social construct and critically analyze gender roles, relations, and inequalities in various social, cultural, and institutional contexts.

Pre-requisites: Graduation in Home Science

Course Contents/Syllabus:

Descriptors/Topics	Weightage (%)
UNIT I:	25
<ul style="list-style-type: none">Gender concepts, issues and challenges in development;terminologies, Gender roles, gender balance, status, need and scope	
UNIT II:	25
<ul style="list-style-type: none">National policy for empowerment of women since independence;Developmental programmes for women;Women development approaches,Gender budgeting – A tool for empowering women.	
UNIT III:	25
<ul style="list-style-type: none">Gender analysis tools and techniques,Gender frameworks-Harvard Analytical framework, Social relation framework, Naila Kabeer's framework etc	
UNIT IV:	25
<ul style="list-style-type: none">Five year plans and gender development, programmes and schemes for women and children	

COURSE OUTCOME

Students at the completion of course will be able to:

- Understand gender concepts, roles, and issues in development and their relevance in contemporary society.
- Analyze national policies, programs, and approaches for women's empowerment and gender budgeting.
- Understanding various gender analysis tools and frameworks for societal development.

Pedagogy for Course Delivery: The Course Will Be Delivered In The Form Of Lectures And Discussions.

Assessment/ Examination Scheme:

Evaluation Scheme and Mode Will Be As Per the Guidelines Notified By The Siddharth University, Kapilvastu, Siddharth Nagar

Textbooks/ References Books:

1. Kamala Bhasin (2000). *Understanding Gender*. Kali for Women.
2. V. Geetha (2002). *Gender*. Stree Publications.
3. Indu Agnihotri & Vina Mazumdar (1995). *Changing Terms of Political Discourse: Women's Movement in India, 1970s–1990s*. EPW.
4. “Gender and Development: A Practical Guide” by Caroline Moser and Fiona Clark
5. “Gender, Development and Globalization: Economics as if All People Mattered” by Lourdes Benería, Gunseli Berik, and Maria S. Floro
6. “Gender and Development” by Janet Momsen
7. Selected journal articles, policy briefs, and reports related to each unit’s topic.
8. Online resources from reputable organizations such as UN Women, World Bank, and WHO.

<u>Record Matrix</u>	
<u>To be Filled By Institution</u>	
Date of Introduction of course:	July 2025 (Proposed)
Date of Last Revision:	Not Applicable
Version*:	1st
Percentage of revision:	Not applicable (New Course)



SIDDHARTH UNIVERSITY

Kapilvastu. Siddharth Nagar (UP)- 272202

Proposed Course for M.Sc. H.Sc.

Course Title: PRACTICAL

Course Code: MHOL 604

Credit Units: 4 (0+4)

Level: Post Graduate

Credit Distribution of the course		
Lecture (L)	Tutorial (T)	Practical (P)
-	-	4

Course Objectives: To equip students with the practical knowledge on extension management and community nutrition.

Pre-requisites: Graduation in Home Science

Course Contents/Syllabus:

Descriptors/Topics	Weightage (%)
UNIT I:	30
<ul style="list-style-type: none">Understanding principles of managementStudying motivationUnderstanding management processPlanning some activitiesPlanning budget for selected activities	
UNIT II:	30
<ul style="list-style-type: none">Assessment of Nutritional Status of individual or community using Anthropometric assessments, Dietary Survey by 24 hrs recall methods and Clinical Observations.Planning and Preparation of low cost recipes for Protein Calorie Malnutrition, Iron and Folic acid Deficiency, Vitamin A deficiency Complementary Foods (emphases of premixes and ARF) Pregnant and lactation women.Planning a nutrition Health Education activity using various teaching aids.	
UNIT III:	40
<ul style="list-style-type: none">Based on selected electives by the students	

Course Outcomes:

The Students at the completion of course will be able to:

- Understanding management concept in organisation
- Importance of motivation in daily life and in an organisation
- Understanding community concept

Pedagogy for Course Delivery: The Course Will Be Delivered In The Form Of Lectures And Discussions.

Assessment/ Examination Scheme:

Evaluation Scheme and Mode Will Be As Per the Guidelines Notified By the Siddharth University, Kapilvastu, Siddharth Nagar

Textbooks/ References Books:

- Gupta CB. 2001. Management Theory and Practice. Sultan Chand & Sons.
- Indu Grover. 2008. Handbook on Empowerment and Entrepreneurship. Agrotech Public Academy.
- Khanka SS. 1999. Entrepreneurial Development. S. Chand & Co. Singh D. 1995.
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- Mayer, J., Human Nutrition, Charles, C. Thomas, spring field.
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- WHO (1999) Nutrition for Health and Development Progress and Prospects. On the eve of the 21st Century WHO INHD, 99.9 Geneva
- डॉ. सरोजिनी बक्शी "सामुदायिक पोषण" प्रकाशक: किशोरी लाल एंड संस, आगरा

<u>Record Matrix</u>	
<u>To be Filled By Institution</u>	
Date of Introduction of course:	July 2025 (Proposed)
Date of Last Revision:	Not Applicable
Version*:	1st
Percentage of revision:	Not applicable (New Course)



SIDDHARTH UNIVERSITY

Kapilvastu. Siddharth Nagar (UP)- 272202

Proposed Course for M.Sc. H.Sc.

Course Title: PROGRAMME PLANNING AND EVALUATION

Course Code: MHSC - MHOC 611

Credit Units: 4 (4+0)

Level: Post Graduate

Credit Distribution of the course		
Lecture (L)	Tutorial (T)	Practical (P)
4	-	0

Course Objectives: To aware students on programme planning in development with its evaluation.

Pre-requisites: Graduation in Home Science

Course Contents/Syllabus:

Descriptors/Topics	Weightage (%)
Unit I: Programme Planning	25
<ul style="list-style-type: none">Meaning and importance of programme planning in extension.Principles of programme planning – programme development cycle and its components. Terminologies associated with programme planning	
Unit II: Steps and Models of programme planning	25
Steps of Programme planning and models	
Unit III: Monitoring and Evaluation	25
<ul style="list-style-type: none">Evaluation and monitoring - Meaning and definitions, differences between monitoring and evaluationPurpose of evaluation – types of evaluation - self-evaluation, and external evaluation, principles and criteria for evaluation, Phases of evaluation, tools of evaluation – observation sheet, interview schedule, rating scale and check-list etc.	
Unit IV: Programme planning at grassroot level	25
<ul style="list-style-type: none">Abilities of programme planners,Factors affecting programme planning and people's participation,Role of local leaders and agencies in programe planning, implementation and evaluation	

Course Outcomes:

- Gain knowledge on various programme planning models and their application
- Developing understanding on programme and its components
- Monitoring and evaluation of programmes at various levels and various ways
- Effective implementation of programmes

Pedagogy for Course Delivery:

The course will be delivered in the form of lectures and discussions.

Assessment/ Examination Scheme:

Evaluation scheme and mode will be as per the guidelines notified by the Siddharth University, Kapilvastu, Siddharth Nagar

Textbooks/ References Books:

- Anoop Singh Sandhu. 2005. Extension Programme Planning. CBS Publishers & Distributors.
- Ahmed, M. R. (1991). Planning and Designing Social Forestry Project. In Ahmed, M. R. (ed.) Social Forestry and Community Development, pp. 109 - 116. FAO, FTPP.
- Leagans, J.P. (1961). Programme Planning to Meet People's Needs. In: Extension Education in Community Development, Directorate of Extension, Ministry of Food and Agriculture, Government of India, New Delhi.
- Kelsey L.D. and Hearne C.C. (1966). Cooperative Extension Work. New York: Constock Publishing Associates.
- Roling, N. (1988). Extension Science: Information Systems in Agricultural Development, Cambridge University Press.
- Van den Ban, A.W. and Hawkins, H.S. (2002). Agricultural Extension, CBS Publishers and Distributors, New Delhi.

<u>Record Matrix</u>	
<u>To be Filled By Institution</u>	
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Date of Last Revision:	Not Applicable
Version*:	1st
Percentage of revision:	Not applicable (New Course)



SIDDHARTH UNIVERSITY

Kapilvastu. Siddharth Nagar (UP)- 272202

Proposed Course for M.Sc. H.Sc.

Course Title: FOOD PRODUCT DEVELOPMENT

Course Code: MHOC 612

Credit Units: 4

Level: Post Graduate

Credit Distribution of the course		
Lecture (L)	Tutorial (T)	Practical (P)
4	-	-

Course Objectives: To equip students with knowledge and skills for developing innovative food products, from concept to market, considering consumer needs, nutrition, safety, and quality standards.

Pre-requisites: Graduation in Home Science

Course Contents/Syllabus:

Descriptors/Topics	Weightage (%)
Unit I:	25
Sampling techniques <ul style="list-style-type: none">Basic principles of food product development. Sensory properties of food and their role in product development. Functional foods, shelf life of Product.Formulation and evaluation of recipes, their nutritive value and costing per portion.	
Unit II:	25
<ul style="list-style-type: none">Packaging: Functions and types of packaging materials for different productsNutritional labeling:	
Unit III:	25
<ul style="list-style-type: none">Subjective and objective sensory evaluation. Types of sensory tests, Selection and training of judges. Development of score cards and analysis of data	
UNIT IV:	25
<ul style="list-style-type: none">Food safety issues in product development, food quality regulations and standards. Methods of quality control. Modification of developed products for therapeutic use.	

Course Outcomes: Students at the completion of course will be able to:

1. Understand the basic principles of food product development, including the role of sensory properties, functional foods, and shelf life evaluation in designing consumer-acceptable food products.
2. Gain skills in recipe formulation, assessment of nutritive value, portion costing, and modifications for therapeutic purposes.
3. Acquire knowledge of packaging types and nutritional labeling, along with practical training in sensory evaluation methods, judge training, scorecard development, and data analysis.

Pedagogy for Course Delivery:

The course will be delivered in the form of lectures and discussions.

Assessment/ Examination Scheme:

Evaluation scheme and mode will be as per the guidelines notified by the Siddharth University, Kapilvastu, Siddharth Nagar

Textbooks/ References Books:

1. Earle, R., & Anderson, A. (Eds.). (2001). Food Product Development: Maximizing Success. CRC Press.
2. Fuller, G. W. (2016). New food product development: from concept to marketplace. CRC Press.
3. Gordon W Fuller., (2004) New Food Product Development: from Concept to Market place,
4. HalMacfie, (2007) Consumer- led food product development, CRC.
5. Mary Earle & Richard Earle., Food Product Development: Maximizing Success., CRC, Woodhead Publishing Ltd., 2001.
6. डॉ. सी. एल. गर्ग एवं डॉ. बिंदु गर्ग "खाद्य विज्ञान एवं पोषण" – प्रकाशक: आर्य पब्लिकेशन, नई दिल्ली
7. डॉ. वीना सिंह "खाद्य प्रसंस्करण एवं संरक्षण" प्रकाशक: के. के. पब्लिशर्स, मेरठ

<u>Record Matrix</u>	
<u>To be Filled By Institution</u>	
Date of Introduction of course:	July 2025 (Proposed)
Date of Last Revision:	Not Applicable
Version*:	1st
Percentage of revision:	Not applicable (New Course)



SIDDHARTH UNIVERSITY

Kapilvastu. Siddharth Nagar (UP)- 272202

Proposed Course for M.Sc. H.Sc.

Course Title: ELECTIVE - INTERIOR DESIGNING

Course Code: MHOE 613

Credit Units: 4

Level: Post Graduate

Credit Distribution of the course		
Lecture (L)	Tutorial (T)	Practical (P)
4	-	-

Course Objectives: To develop creative and technical skills for planning, designing, and decorating functional and aesthetically appealing interior spaces.

Pre-requisites: Graduation in Home Science

Course Contents/Syllabus:

Descriptors/Topics	Weightage (%)
UNIT I:	25
<ul style="list-style-type: none">Interior design : Current trends in interior design, terminology of interior architecture and structure and its relation to interior design.Residential structural features of architecture : Foundation footing, plinth, beams, columns, walls, slabs, floor, ceiling, window, doors, staircase, ramp, etc.	
UNIT II:	25
<ul style="list-style-type: none">Material and finishes : Wood, glass, plastics, acrylics, metals, emphasis to be given to their characteristics, adaptability and use in interiors, special finishes liking staining melamine's etc.Illumination : Purpose, types of lighting, natural and artificial, reflection and inadequate lighting, lighting stands for various tasks, tumbler and modular switches	
UNIT III:	25
<ul style="list-style-type: none">Services: Services in relation to interiors liking drainage plumbing and electricity.Costing and estimating : Methods of estimating	
UNIT IV:	25
<ul style="list-style-type: none">Accessories and their role in interiors : Various types and their place in interior decoration, paintings, sculpture and pots etcIntroduction to pottery – Principles of pottery, care and precautions, designs and newer technologies or trends	

Course outcomes

Students at the completion of course will be able to:

- Understand principles and trends of interior design and architecture in relation to space planning and

aesthetics.

- Apply elements and principles of design in selection and arrangement of furniture, furnishings, lighting, and accessories.
- Identify and use materials and finishes like wood, metal, plastic, and ceramics with appropriate care and application.
- Gain basic knowledge of interior services, costing, and pottery, including residential structural features and slum area awareness.

Pedagogy for Course Delivery: The Course Will Be Delivered In The Form Of Lectures And Discussions.

Assessment/ Examination Scheme:

Evaluation Scheme and Mode Will Be As Per the Guidelines Notified By The Siddharth University, Kapilvastu, Siddharth Nagar

Textbooks/ References Books:

1. Ballast, D.K. (2014). *Interior Design Reference Manual: Everything You Need to Know to Pass the NCIDQ Exam*. Professional Publications, Inc.
2. Nielson, K. & Taylor, D. (2013). *Interior Design: Techniques and Materials*. Fairchild Books.
3. Pile, J.F. (2007). *Interior Design*. Pearson/Prentice Hall.
4. डॉ. पुष्पा शर्मा – गृह सज्जा एवं आंतरिक साज-सज्जा (*Interior Decoration and Design*)
5. डॉ. रेखा शर्मा – गृह विज्ञान में गृह प्रबंधन एवं सज्जा
6. डॉ. रश्मि गुप्ता – आधुनिक गृह प्रबंधन

<u>Record Matrix</u>	
<u>To be Filled By Institution</u>	
Date of Introduction of course:	July 2025 (Proposed)
Date of Last Revision:	Not Applicable
Version*:	1st
Percentage of revision:	Not applicable (New Course)



SIDDHARTH UNIVERSITY

Kapilvastu. Siddharth Nagar (UP)- 272202

Proposed Course for M.Sc. H.Sc.

Course Title: ELECTIVE - DYEING, PRINTING AND LAUNDRY

Course Code: MHOE 613

Credit Units: 4

Level: Post Graduate

Credit Distribution of the course		
Lecture (L)	Tutorial (T)	Practical (P)
4	-	-

Course Objectives: To impart knowledge of textile fibers, fabric construction, finishes, and laundry processes for effective care and maintenance of textiles.

Pre-requisites: Graduation in Home Science

Course Contents/Syllabus:

Descriptors/Topics	Weightage (%)
UNIT I:	25
<ul style="list-style-type: none"> Dyeing— Principles of dyeing and Mechanism of dyes like – like direct reactive, vat, azoic, sulphur, basic, acid, disperse and natural dyes. Printing — Principles of printing, printing using dyes and pigments on fabric silk, cotton, Polyester & blends, Fixation of prints using various methods, Innovative Printing methods 	
UNIT II:	25
<ul style="list-style-type: none"> Finishes -Classification of finishes, application of mechanical, chemical & specialty Finishes- like –wrinkle free, durable press, flame retardant, water proof, soil & stain release, antibacterial). Introduction to Post Treatment of dyed printed finished fabrics. (Soaping, rinsing, washing and fixation). 	
UNIT III:	25
<ul style="list-style-type: none"> Classification and introduction to laundry process – <ol style="list-style-type: none"> Wet Dry cleaning <ul style="list-style-type: none"> Laundry -Equipment's used for laundry, Drying equipment's Soaps, Detergents, Stiffening agents, Blues, and Bleaching agents. Soaps and Detergents – Definition, chemical nature, manufacture, properties and their cleaning action. 	
UNIT IV:	25

<ul style="list-style-type: none"> • Water – <ol style="list-style-type: none"> a) Hard Water b) Soft Water <p>1. Stain Removal</p> <p>2. Washing, Finishing and storing of different garments</p>	
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Course outcome: Students at the completion of course will be able to:

- Understand the classification, structure, and properties of natural, regenerated, and synthetic textile fibres.
- Gain knowledge of laundry techniques, types of water, soaps, detergents, and their cleaning mechanisms.
- Acquire hands-on skills in fibre testing, laundering, bleaching, and textile care through practical exposure and industrial visits.

Pedagogy for Course Delivery: The Course Will Be Delivered In The Form Of Lectures And Discussions.

Assessment/ Examination Scheme:

Evaluation Scheme and Mode Will Be As Per the Guidelines Notified By The Siddharth University, Kapilvastu, Siddharth Nagar

Textbooks/ References Books:

1. Corbman, B.P. (1985). *Textiles: Fiber to Fabric*. McGraw-Hill.
2. Joseph, M.L. (1972). *Essentials of Textiles*. Holt, Rinehart and Winston.
3. डॉ. उमा श्रीवास्तव – *वस्त्र निर्माण एवं प्रक्षालन प्रक्रिया (Textile Construction and Laundry Process)*.
4. डॉ. ममता सहगल – *वस्त्र विज्ञान (Textile Science)*

<u>Record Matrix</u>	
<u>To be Filled By Institution</u>	
Date of Introduction of course:	July 2025 (Proposed)
Date of Last Revision:	Not Applicable
Version*:	1st
Percentage of revision:	Not applicable (New Course)



SIDDHARTH UNIVERSITY

Kapilvastu. Siddharth Nagar (UP)- 272202

Proposed Course for M.Sc. H.Sc.

Course Title: ELECTIVE - ICT AND COMMUNICATION MEDIA

Course Code: MHOE 613

Credit Units: 4 (4+0)

Level: Post Graduate

Credit Distribution of the course		
Lecture (L)	Tutorial (T)	Practical (P)
2	-	1

Course Objectives: To aware students on newer communication medium and their use.

Pre-requisites: Graduation in Home Science

Course Contents/Syllabus:

Descriptors/Topics	Weightage (%)
Unit I: Basics of communication	25
<ul style="list-style-type: none">Information Communication Technology – meaning, definition, scope and importanceComponents of ICT, role of ICT in development	
Unit II: Models and theories in communication	25
<ul style="list-style-type: none">ICT tools- print and electronic media, e-mail, Internet, use of multimedia, use of mobile phony, video and teleconferencing, computer-assisted instructions, touch screens, micro-computers, web technologies and information kiosks.Networking system of information and challenges in the use of ICT.	
Unit III: Communication approaches	25
<ul style="list-style-type: none">E-learning, information resources, sharing and networking.Types of net work - PAN, LAN, WAN, Internet, AGRINET, AKIS, Indian National Agricultural Research database.Utilization of Internet for promoting Development	
Unit IV: Audio Visual Aids	25
<ul style="list-style-type: none">Various ICT initiatives for development, Problems and prospects of ICTs,Emerging research issues.	

Course Outcomes:

- Gain knowledge newer channels of communication with focus on ICTs
- Scope and importance of ICTs
- Gaining understanding on communication approaches
- Developing understanding on AVAs

Pedagogy for Course Delivery:

The course will be delivered in the form of lectures and discussions.

Assessment/ Examination Scheme:

Evaluation scheme and mode will be as per the guidelines notified by the Siddharth University, Kapilvastu, Siddharth Nagar

Textbooks/ References Books:

- Reddy A : Extension Education, Bapatia, India, Sri Laxmi Press
- Ray, G. L.. Extension Communication and Management. Kalyani Publishers.
- Dahama, O.P. and Bhatnagar, O.P. Education and Communication for Development. Oxford and IBH Publishing Co. Pvt. Ltd.
- Sandhu, A.S. . Textbook on Agricultural Communication: Process and Methods. Oxford and IBH Publishing Co. Pvt. Ltd.
- Chauhan Jitendra (2016): Communication and Extension Management, 2nd edn, Kushal Publications and Distributors.
- Dubey V K and Bishnoi Indira (2009): Extension Education and Communication, First edition., New Age International Publishers, New Delhi.
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- Lal Harmesh, Bhushan Shailendra and Kumar Meenu (2018): Audio-Visual Aids to Educational Technology.
- Ray G L (2017): Extension Communication and Management, 8th edn, Kalyani Publishers, Ludhiana.
- Adhiguru, P. and Mruthyunjaya. (2004). Institutional innovations for using Information and Communication Technology”, Policy Brief 18, National Centre for Agricultural Economics and Policy Research, New Delhi.
- Adhiguru, P., Mruthyunjaya, and P.S. BIRTHAL. (2003). Project on “Innovative institutions for agricultural technology dissemination: Role of Information and Communication Technology”, National Centre for Agricultural Economics and Policy Research, New Delhi.
- Anonymous (2001). Human Development Report, published by UNDP.
- Anonymous (2002), Cyber Extension: Changing the Face of Indian Agriculture, MANAGE, Hyderabad, available at : <http://www.manage.gov.in/managelib/NewEvents/cyberext.htm>
- Anonymous (2002), Directorate of Extension. Background paper for National Workshop on Information and Communication Technology in Agriculture Extension, Directorate of Extension, Department of Agriculture and Cooperation, Ministry of Agriculture, Government of India, New Delhi.
- Bhatia, B.S. (2002). Satcom for Extension Training, Available at: <http://www.worldbank.org/wbi/documents/sn37160/chapter 10-12.pdf>
- Indianinfoonline.(2003).<http://www.indianinfoonline.com/news/news.asp?dat=20395>
- Mchombu, Kingo(1996). “Impact of Information on Rural Development: Background, methodology and progress”. In McConnel, P. (ed.) Making a Difference; Measuring the Impact of Information on the Development. Proceedings of workshop held in Ottawa, Canada, 10-12 July, 1995.
- Rajeswari Pingali (2002). Role of information and communication technology in empowering farmers in India, Workshop on Agricultural Diversification in South Asia, Paro, Bhutan, November 21-24.
- Swaminathan, M.S. (2003). Towards knowledge revolution in rural India: Concept and Operational Plan. Virtual Academy for Food Security and Rural Prosperity. MSSRF, Chennai.
- Unicttaskforce (2003). Harnessing the power of information and communications technology, Available at: www.unicttaskforce.org/community/documents/751836685_Sustainability7%20rev.pdf
- Zijp, Willem. (1994). Improving the Transfer and Use of Agricultural Information –A Guide to Information Technology, World Bank, Washington DC.

<u>Record Matrix</u>	
<u>To be Filled By Institution</u>	
Date of Introduction of course:	July 2025 (Proposed)
Date of Last Revision:	Not Applicable
Version*:	1st
Percentage of revision:	Not applicable (New Course)



SIDDHARTH UNIVERSITY

Kapilvastu. Siddharth Nagar (UP)- 272202

Proposed Course for M.Sc. H.Sc.

Course Title: PRACTICAL

Course Code: MHOL 614

Credit Units: 4 (0+4)

Level: Post Graduate

Credit Distribution of the course		
Lecture (L)	Tutorial (T)	Practical (P)
-	-	4

Course Objectives: To equip students with the practical application of programmes of various duration with monitoring and evaluation techniques and developing few products.

Pre-requisites: Graduation in Home Science

Course Contents/Syllabus:

Descriptors/Topics	Weightage (%)
UNIT I:	25
<ul style="list-style-type: none">• Stepwise development of a new food product, standardization and acceptability• Sensory analysis: Different types of sensory tests for basic tastes and Sensory attributes of products.• Survey on types of convenience foods• Stepwise development of a new food product, standardization and acceptability• Sensory analysis: Different types of sensory tests for basic tastes and Sensory attributes of products.• Survey on types of convenience foods	
UNIT II:	30
<ul style="list-style-type: none">• Sketching of furniture and layout planning for residential spaces.• Drawing house plans for various income groups• Preparation of different decorative items for house.	
UNIT III:	30
<ul style="list-style-type: none">• Dying of different samples by natural and synthetic dyes• Laundering of cotton, silk, wool and synthetics.• Bleaching, whitening and starching of cotton.• Printing of different garments• Visit to a dry cleaning, or a textile mill	
UNIT IV:	15
<ul style="list-style-type: none">• Content analysis of ICT Projects.• Designing extension content.	

<ul style="list-style-type: none"> • Secondary data collection on ICT projects. • Creation of extension blogs. 	
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Course Outcomes:

The Students at the completion of course will be able to:

- To understand programmes and its various components.
- Implementation of programmes at grass root levels
- Development of food products

Pedagogy for Course Delivery: The Course Will Be Delivered In The Form Of Lectures And Discussions.

Assessment/ Examination Scheme:

Evaluation Scheme and Mode Will Be As Per the Guidelines Notified By the Siddharth University, Kapilvastu, Siddharth Nagar

Textbooks/ References Books:

- Anoop Singh Sandhu. 2005. Extension Programme Planning. CBS Publishers & Distributors.
- Ahmed, M. R. (1991). Planning and Designing Social Forestry Project. In Ahmed, M. R. (ed.) Social Forestry and Community Development, pp. 109 - 116. FAO, FTTP.
- Leagans, J.P. (1961). Programme Planning to Meet People's Needs. In: Extension Education in Community Development, Directorate of Extension, Ministry of Food and Agriculture, Government of India, New Delhi.
- Kelsey L.D. and Hearne C.C. (1966). Cooperative Extension Work. New York: Constock Publishing Associates.
- Roling, N. (1988). Extension Science: Information Systems in Agricultural Development, Cambridge University Press.
- Van den Ban, A.W. and Hawkins, H.S. (2002). Agricultural Extension, CBS Publishers and Distributors, New Delhi
- Adhiguru, P. and Mruthyunjaya. (2004). Institutional innovations for using Information and Communication Technology", Policy Brief 18, National Centre for Agricultural Economics and Policy Research, New Delhi.
- Adhiguru, P., Mruthyunjaya, and P.S. BIRTHAL. (2003). Project on "Innovative institutions for agricultural technology dissemination: Role of Information and Communication Technology", National Centre for Agricultural Economics and Policy Research, New Delhi.
- Anonymous (2001). Human Development Report, published by UNDP.
- Anonymous (2002), Cyber Extension: Changing the Face of Indian Agriculture, MANAGE, Hyderabad, available at : <http://www.manage.gov.in/managelib/NewEvents/cyberext.htm>
- Anonymous (2002), Directorate of Extension. Background paper for National Workshop on Information and Communication Technology in Agriculture Extension, Directorate of Extension, Department of Agriculture and Cooperation, Ministry of Agriculture, Government of India, New Delhi.
- Bhatia, B.S. (2002). Satcom for Extension Training, Available at: <http://www.worldbank.org/wbi/documents/sn37160/chapter 10-12.pdf>
- Indianinfo. (2003). <http://www.indianinfo.com/news/news.asp?dat=20395>
- Mchombu, Kingo (1996). "Impact of Information on Rural Development: Background, methodology and progress". In McConnel, P. (ed.) Making a Difference; Measuring the Impact of Information on the Development. Proceedings of workshop held in Ottawa, Canada, 10-12 July, 1995.
- Rajeswari Pingali (2002). Role of information and communication technology in empowering farmers in India, Workshop on Agricultural Diversification in South Asia, Paro, Bhutan, November 21-24.

- Swaminathan, M.S. (2003). Towards knowledge revolution in rural India: Concept and Operational Plan. Virtual Academy for Food Security and Rural Prosperity. MSSRF, Chennai.
- Unicttaskforce (2003). Harnessing the power of information and communications technology, Available at: www.unicttaskforce.org/community/documents/751836685_Sustainability7%20rev.pdf
- Zijp, Willem. (1994). Improving the Transfer and Use of Agricultural Information –A Guide to Information Technology, World Bank, Washington DC.
- Earle, R., & Anderson, A. (Eds.). (2001). Food Product Development: Maximizing Success. CRC Press.
- Fuller, G. W. (2016). New food product development: from concept to marketplace. CRC Press.
- Gordon W Fuller., (2004) New Food Product Development: from Concept to Market place,
- HalMacfie, (2007) Consumer- led food product development, CRC.
- Mary Earle & Richard Earle., Food Product Development: Maximizing Success., CRC, Woodhead Publishing Ltd., 2001.
- डॉ. सी. एल. गर्ग एवं डॉ. बिंदु गर्ग "खाद्य विज्ञान एवं पोषण" – प्रकाशक: आर्य पब्लिकेशन, नई दिल्ली
- डॉ. वीना सिंह "खाद्य प्रसंस्करण एवं संरक्षण" प्रकाशक: के. के. पब्लिशर्स, मेरठ

<u>Record Matrix</u>	
<u>To be Filled By Institution</u>	
Date of Introduction of course:	July 2025 (Proposed)
Date of Last Revision:	Not Applicable
Version*:	1st
Percentage of revision:	Not applicable (New Course)