

SNDT Women's University, Mumbai

Bachelor Of Science Home Science (Human Ecology and Community Science)

B.Sc. In H.Sc. – HE&CS

As Per NEP - 2020

Semester – I & II

Syllabus (W.E.F. Academic Year 2025-26)

Terminologies

Vertical	Full-form/Definition		Related to Major and Minor Courses
Major (Core)	Subject comprising Mandatory and Elective Courses, Major Specific IKS, Vocational Skill Courses, Internship/ Apprenticeship, Field Projects, Research Projects connected to Major	Minimum 50% of total credits corresponding to Three/Four - year UG Degree- Mandatory Courses	Related to the Major
Minor Course	Course from same or different Faculty	Minimum 18-20 Credits to be completed in the first three years of UG Programme	Related to the Minor
OEC	Open Elective Courses/ Generic courses	offered in I and/or II year. Faculty-wise baskets of OEC to be prepared	OEC is to be chosen compulsorily from faculty other than that of the Major
VSC	Vocational Skill Courses, including Hands on Training corresponding to the Major and/or Minor Subject	8-10 credits, to be offered in first three years, wherever applicable vocational courses will include skills based on advanced laboratory practical's of Major	Related to the Majoror Minor
SEC	Skill Enhancement Courses	in I and II year, to be	Related to the Major or Minor any relevant Skill
AEC	Ability Enhancement Courses	08 credits, to be offered in I and II year, English: 04 Credits to be earned in Sem - I, Modern Indian Language of 04 credits to be offered in II year	NA
VEC	Value Education Courses	Understanding India, Environmental science/education, Digital andtechnological solutions, Health & Wellness, Yoga education, sports, and fitness	NA

IKS	Indian Knowledge System	Generic IKS Course: basicknowledge of the IKS to be offered at First Year level	Major-Specific IKS Courses: advanced information about the major, part of the major credit to be offered at second- or third- year level
ΤΓΟ	On-Job Training (Internship/Apprenticeship)		Related to the Major
FP	Field projects		Related to the Major
СС	Co-curricular Courses	Health and Wellness, Yoga education sports, and fitness,Cultural Activities, NSS/NCC and Fine/ Applied/Visual/ Performing Arts	NA
CE	Community Engagement andservice		Related to Major
RP	Research Project	corresponding to the MajorSubject	Related to Major

Program Template

Degree	B.Sc.
Programme	Home Science - Human Ecology and Community Science
Preamble (Brief Introduction to the programme)	 Home-Science is an applied science. It is interdisciplinary in nature as it derives its contents from pure sciences; Social sciences and Humanities to form a discipline. It focuses on better quality of life for individual, family and society through enhancement of resources and productivity. The recent announcement of "Self Reliant India" gives new opportunities through education to create trade, investment and employment through innovation and incubation. The 6 major areas of this specialization are: Communication & Extension, Foods & Nutrition, Human Development, Resource management, Textiles & Clothing and Human Ecology & Community Science. There is scope for career opportunities and higher studies and research in each of the areas. A variety of teaching methods are used with emphasis on practical training.
Programme Specific	After completing this program , learner will-
Outcomes (PSOs)	Acquire knowledge about human ecology and Community Science in the context of five core subjects: Food Science and Nutrition, Human Development, Textile Science, Family Resource Management and Extension Education.
	2. Apply facts and principles to strengthen the chosen profession in sectors like retail, hospitality, health care, child care, care of elderly, food industry, Non-Governmental Organizations (NGOs), infrastructure, banks, educational institutions: Balwadi, teacher training centers, schools, colleges and Universities, training and more.
	3. Use aesthetics to design the product be it a garment, a dish, a prop, an article, office space, home, and many more.

	4.	Participate with government for setting guide-lines and evaluation criteria for running crèche, Anganwadi, Balwadi, Pre- primary schools, training centers for Extension workers, teachers and more such centers where graduates of this discipline are trained.
	5.	Develop basic efficiencies and entrepreneurial skills for extensive career opportunities.
	6.	Empower women citizens with ethics critical thinking, efficient communication skills and social interactions to become agent for sustainable life.
Eligibility Criteria for Programme		10+2 with Arts, Science, Commerce, M.C.V.C. and equivalent board
Intake		120

Structure with Course Title

B.Sc. In Home Science - Human Ecology and Community Science

SN	Courses	Type of Course	Credits	Marks	Int	Ext
	Semester I					
10031001	Introduction to Human Ecology and Community Science – I	Major (Core)	2	50	50	0
		Major (Core)	2	50	50	0
		Major (Core)	2	50	50	0
10431011	Applied Science	OEC	4	100	50	50
10631001	Introduction to Human Ecology and Community Science (Pr)	VSC S1	2	50	50	0
10731001	Professional and Presentation Skills (Pr)	SEC	2	50	0	50
10810111	English For Academic Writing- Paper I (For Students of English Medium)	AEC (English) (Any	2	50	0	50
10810112	English Language and Literature- I (For Students of Non-English medium)	One)				
11051111	Inception of India Knowledge System	IKS (Generic)	2	50	0	50
10952111	Introduction to Indian Constitution	VEC	2	50	0	50
11450121	Basics of National Service Scheme					
11450221	National Cadets Corps. (NCC) Studies- I	CC (Any	2	50	50	0
11450322	Health and Wellness	One)				
11450421	Performing Arts Exploration					
			22	550	300	250

SN	Courses	Type of Course	Credits	Marks	Int	Ext
	Semester II					
20031011	Introduction to Human Ecology and Community Science – II	Major (Core)	2	50	0	50
		Major (Core)	2	50	0	50
		Major (Core)	2	50	0	50
		VSC S2	2	50	50	0
		VSC S3	2	50	50	0
20431011	Human Physiology	OEC	4	100	50	50
20731001	Life Skills (Pr)	SEC	2	50	50	0
20810111 20810112	English For Academic Writing- Paper II (For Students of English Medium) English Language and Literature- II (For Students of Non-English	AEC (English) (Any One)	2	50	0	50
20952111	medium) Environment Awareness	VEC	2	50	0	50
20952111		VLC	2	50	U	50
21450121	Volunteerism and National Service Scheme					
21450221	National Cadets Corps. (NCC) Studies- II	CC (Any	2	50	50	0
21450323	Yoga Education	One)				
21450421	Fine Art	-				
			22	550	250	300

Exit with UG Certificate with 4 extra credits (44 + 4 credits)

Syllabus

Semester I

1.1 Major (Core)

Course Title	Introduction to Human Ecology and Community Science – I (Theory)	
Course Credits	2	
Course	After going through the course, learners will be able to	
Outcomes	1. Understand the concept of Home Science	
	2. Integrate learning across role of Home Science	
	Acquire knowledge about human ecology and Community Science	
	 Appreciate and analyze the scope for career opportunities and higher studies and research in each of the areas. 	
Module 1 (Credi	t 1) - Introduction to Home Science	
Learning Outcomes	After learning the module, learners will be able to	
	 Acquire knowledge about basics of Home Science and it's core subjects Understand relevance of Human Ecology & Community Science in society 	
Content Outline Module 2 (Credi Science		
Learning	After learning the module, learners will be able to	

Outcomes	 Gain in depth understanding about Human Ecology and Community Science Analyze career opportunities in Human Ecology & Community Science 		
Content	Unit1: Introduction to Human Ecology and Community		
Outline	Science		
	 Definition of Human Ecology 		
	Relation with other discipline		
	Scope of Human Ecology and Community Science		
	Relevance to quality life		
	Unit 2: Career opportunities in Human Ecology		
	& Community Science		
	As an entrepreneur		
	Industry		
	Professional practitioner		
	Research & development		
	Government, Semi Government and Private Sector		

Module 1 Introduction to Home Science

• Assignment on relevance of Human Ecology and Community Science to quality life

Module 2 Career opportunities in Home Science and Human Ecology & Community Sciences

 Project and presentation on Career opportunities in Home Science and Human Ecology & Community Sciences

- 1. A Textbook of Home Science. (1990). Rev. Edn Publisher: Orient BlackSwan
- 2. Bhargav Priya (2004). Teaching of Home Science. Commonwealth Publishers
- Jaiswal, A. (2017). Concept of human ecology: Human Ecology PG e-Pathsala, (An Ministry of Human Resource Development Project under its National Mission on Education through ICT (NME-ICT)
- 4. Mullick Premlata. (1995). Textbook of Home Science. Kalyani Publishers
- Human Ecology and Family Sciences Part II Revised Edition February 2023 Publication by the Secretary, National Council of Educational Research and Training

1.4 OEC

Course Title	Applied Science (Theory & Practical)
Course Credits	4 (2+2)
Course	After going through the course, learners will be able to
Outcomes	1.Understand the importance of science in daily life
	2.Develop analytical attitude.
	3.Acquire knowledge to develop scientific way of thinking.
	4.Impart knowledge to apply.
Module 1 (Cre	dit 1) - Applied Chemistry
Learning	After learning the module, learners will be able to
Outcomes	 Inculcate scientific temper in the students and develop scientific, analytical attitude. Develop to understand the importance of knowledge of chemistry with respect to food, textiles, medicine, harmful chemicals & industries.
	 Understand the use and importance of chemistry in day-to- day life.
Content Outline	 Review of Basic Chemistry Important definitions Difference between Organic & Inorganic compounds Functional groups Bohr's model of atom Atomic number & electronic configuration 2) Soaps & Detergents Saponification reaction Cold and hot process of soap making Difference between soaps and detergents Cleansing action 3) Drugs and Pharmaceuticals Properties of good drug Meaning of important terms with e.g. Analgesic, Antipyretic, Antacid, Antibiotic, Diuretic, anti- inflammatory, Laxatives, Sulfa drugs Common drugs- use and side effects of Aspirin, Paracetamol, Sulphanilamide 4) Dyes Definition, important terms like chromophore, Auxochrome,
	 Definition, important terms like chromophore, Advoctione, chromogen Classification based on application e.g. and uses of different dyes in food, textile, medicine, laboratory, etc. & their hazards 5)Polymers Introduction Define-monomer, polymer, polymerization

1	
	Some important polymers and their structure & use
	polyethylene, polyester, polyvinyl chloride
Module 2 (Cree	dit 1) - Applied Biology
Learning	After learning the module, learners will be able to
Outcomes	 Acquire the basic knowledge of the fundamentals of biological sciences.
	 Apply the knowledge of the biological processes to everyday life.
Content Outline	Cell
	 As the basic unit of life
	Types of cells
	Salient features of animal cell
	Introduction to Micro-organism
	• Bacteria-Structure, Classification based on response to O ₂ ,
	nutrition, Importance of bacteria
	• Fungi- Morphology of molds and yeasts, classification,
	beneficial and harmful aspects
	• Virus- Morphology, Classification based on nucleic acid
	content and hosts
	Genetics and Heredity
	Origin of the term gene
	 Chemical basis of heredity- organization of human
	genome, sex determination, monogenic and
	polygenic traits, patterns of inheritance- autosomal,
	recessive and sex-linked inheritance
	 Mutation and its type, abnormalities in chromosome number
	Genetic Engineering and Biotechnology
	Definition of the terms
	 Methodology of gene cloning-in brief
	1. Application of genetic engineering in plants- insects &
	virus-resistant plants, plants with improved characters.
	Application in human medicine- pharmaceuticals, thalassemia
	ontogenesis, interferon, production of growth hormone, human
	insulin ELISA.
Module 3 (Cree	dit 1) - Applied Chemistry (Practical)
Learning	After learning the module, learners will be able to
Outcomes	
	1. Develop in students the ability to work systematically in
	laboratory.
	2. Develop in them the skill for simple chemical procedures.

	 Introduction to chemistry lab & apparatus. Neutralization of strong acid with strong base (HCl & NaOH) Neutralization of weak base with strong acid (Na₂CO₃& H₂SO₄) Neutralization of weak acid with strong base (Oxalic acid & NaOH) Oxidation- reduction reaction (Oxalic acid & KMnO₄) pH determination of various solutions: acid, base and neutral (two household example for each) Preparation of soap bar Viscosity measurement: water, oil, shampoo by Oswald's viscometer
Module 4 (Cree	dit 1) - Applied Biology (Practical)
Learning	After learning the module, learners will be able to
Outcomes	 Acquire knowledge of various micro-organisms and the required skills to study them. Apply this knowledge in day-to-day life.
Content Outline	 Study and care of microscope Observation of motility of bacteria by Hanging drop method (<i>E. coli /</i> <i>Proteus</i>) Observation of bacteria by the simple: monochrome staining method (Hay infusion culture or milk) Gram staining of bacteria in buttermilk To observe common pathogenic bacteria (any 6 – permanent slides) Observation of fungi on different food materials To observe common pathogenic protozoa (permanent slides of <i>Entamoeba histolytica</i> and <i>Plasmodium</i> <i>vivax</i>) Study of medicinally important plants (projects)

Module 1 Applied Chemistry

Assignment / Quiz Module 2 Applied Biology Assignment / Quiz Module 3 Applied Chemistry (Pr) Daily work Journal Performing experiment Module 4 Applied Biology (Pr) Daily work Journal Performing experiment

- 1. George A. (1984): Shreeve's Chemical Process Industries
- 2. Glazer A. Na Ni Baido H (1995) Microbial Biotechnology W.H. Freemen Company.
- 3. K. Venkatraman (1952): The Chemistry of Synthetic Dyes, Vol. I, Academic Press, New York.

- 4. Kent S.A. (1974): Riegel's Handbook of Industrial Chemistry.
- 5. Loewy A. and Sckevilz (1995) Cell Structure and Functions, Hold, New-York
- 6. Nicholl D.S.T. (1994) An Introduction to Genetic Engineering-Cambridge University, Press.
- 7. Pelczar N.S, Chan F.C.S. Krieg N.R.(1998) Microbiology, Tata Mc Grow Hill.
- 8. Person D. (1983): The Chemical Analysis of Food, Churchill Livings Tone, Edunburgh, London, New York.
- 9. Porter K.R., Bonnevile M.A. (1964) Fine Structure of Cells and Tissues, Lea & Blanchard, Philadelphia.
- 10. Prof. V. A. Shenal (1991): Introduction to the Chemistry of Dyestuffs, sevsk Publications.
- 11. Rao C.V. (1994) Foundation to Mol. Biol, R. Chenda. Co. Publisher
- 12. Thomsen E.G. (1985): Modern Cosmetics Universal publishing corp
- 13. Zhdanov L.S. (1980): Physics for the Technician, MIR Publications. Moscow.

1.5. Vocational Skill Course (VSC)

Course Title	Introduction to Human Ecology and Community Science (Practical)			
Course Credits	2			
Course	After going through the course, learners will be able to			
Outcomes	1. Apply and analyze basic skills in textile and clothing			
	2. Apply and analyze basic skills in Food Science and Nutrition			
	3. Evaluate basic skills in the area of Human Ecology and Community Science			
Module 1 (Cree	dit 1) - Skills in Textile and clothing			
Learning	After learning the module, learners will be able to			
Outcomes	 To identify different types of fibers Apply knowledge of care and maintenance of clothes Acquaint with basic stitching skills Apply basic skills for garment finishing 			
Content Outline	 Basic skills in Human Ecology and Community Science Identification of fibers Care and maintenance of clothes Basic Stitching skills Basic skills of garment finishing 			
Module 2 (Cree	Module 2 (Credit 1) - Skills in Food Science and Nutrition			
Learning	After learning the module, learners will be able to			
Outcomes	 Apply knowledge of various methods in cooking Create decorative vegetables and fruit cutting 			
Content Outline	 Cooking methods: Boiling, Baking, Grilling, Roasting, Steaming, Poaching, Broiling, Frying Decorative vegetables and fruit cutting 			

Assignments/Activities towards Comprehensive Continuous Evaluation (CCE):

Module 1 Skills in Textile and clothing

Project on basic stitching Project on garment finishing **Module 2 Skills in Food Science and Nutrition** Preparing and presenting one recipe using cooking method Preparing Decorative vegetables and fruit cutting

- 1. Gohl E.P. and Velensky L.D. (1983) Textile Science, Melbourne: Longman Cheshire Pvt. Ltd.
- 2. Kefgan & Phyllis T. (2000) Individuality in Clothing Selection and Personal
- 3. Mudambi, S.R. and M.V. Rajgopal (2006). Fundamentals of Foods and Nutrition. Wiley Eastern Ltd.

- 4. Shadaksharaswamy, M, Manay, S, (2010): Food facts and Principles, 3rd Edition, New Age International Publishers
- 5. Srilakshmi, B: (2010). Food Science, 5th Edition, New Age International Pvt Ltd Publishers
- 6. Zarapkar K.R. (1999).Zarapkar system of cutting. Navneet Publications (India)Ltd

1.6. Skill Enhancement Course (SEC)

Course Title	Professional and Presentation Skills (Practical)	
Course Credits	2	
Course Outcomes Module 1 (Cr	 The course will enable the students to: 1. Acquire professional skills to pursue in a successful career path 2. Apply knowledge for preparing professional resume, interviews and group discussions 3. Acquire presentation Skills 4. Design and develop effective presentation for professional purposes 5. Function as a better team member for collaborative work 	
Learning Outcomes	This will enable students to: 1. Prepare their resume in an appropriate format	
	 Actively participate and perform in a practice interview Embrace good listening skills Perform appropriately and effectively in group discussions Function manners and etiquette in social and cultural 	
Content Outline	settings Resume Skills Interview Skills Social and Cultural Etiquette Listening Skills Group Discussion Skills Collaborative Skills	
Module 2 (Cr	Module 2 (Credit1) – Presentation Skills	
Learning Outcomes	 This will enable students to: 1. Acquire knowledge related with the purpose and skills of presentation 2. Develop various skills required for presentation 	

	3.Apply presentation skills for personal professional development
	4. Create effective presentation for professional usage.
Content Outline	Purpose Types: Presentations, Skills Stages of presentation Factors affecting presentation Tools for presentation Handling Open Discussion Characteristics of good presenter Ways to improve presentation

<u>Module - 1</u>

Resume writing Mock Interview Group Discussion

Module - 2

Preparing presentation Individual Presentations

- 1. Ellen. M. G and Loewy. D, (2022) "The Essentials of Business Communication" Cengage Learning, Australia
- 2. Locker. K and Kaczmarek. S., (2014) -"Business Communication: Building Criticali.Skills". ISBN-9781259089091
- 3. Murphy. H, Hildebrandt. H, and Thomas. J.(2011) "Effective Business Communication". McGraw-Hill, New York
- 4. Chesebro. J. L and Goss. T.P. (2018): "Professional Communication at Work: Interpersonal Strategies for Career Success". Routledge, US
- 5. Barun K. Mitra, "Personality Development & Soft Skills", Oxford Publishers, Third impression, 2017.

Semester II

2.1 Major (Core)

Course Title	Introduction to Human Ecology and Community Science – II (Theory)
Course	2
Course	After going through the course, learners will be able to
Outcomes	1.understand and analyze the significance of nutrition, health and being, growth and development, education and communication, management suggestions and resources necessary to enhance the life of self, family, community and society.
	2. Develop a holistic understanding of life in the home and outside.
	edit 1) - Introduction to Food Science, Nutrition and Human
Learning	After learning the module, learners will be able to
Outcomes	 1. Understand Meaning, Scope and Area of specialization in Food Science & Nutrition 2. know the meaning, Scope and Area of specialization in Human Development
Content	Unit 1: Meaning, Scope and Area of specialization in Food
Outline	Science & Nutrition
	Food Science
	Nutrition
	Meal Management in Health and DiseaseFood Service Management
	 Food Safety, Sanitation and Hygiene
	 Public Health Nutrition
	Unit 2: Meaning, Scope and Area of specialization in Human
	Early Childhood Care & Education
	Human Development
	Marriage and Family studies
	Guidance and counseling
Module 2 (Cre Management	edit 1) - Introduction to Textile Science, Resource and E x t e n s i o n & Communication
Learning	After learning the module, learners will be able to
Outcomes	1.Understand Meaning, Scope and Area of specialization in Textile science; Resource management and Extension and

Content Outline

Module 1 Introduction to Food Science, Nutrition and Human Development

• Assignment on areas of specialization and its scope

Module 2 Introduction to Textile Science, Resource Management and Extension & Communication

• Assignment on areas of specialization and its scope

References:

- 1. A Textbook of Home Science. (1990) .Rev. Edn Publisher : Orient BlackSwan
- 2. Bhargav Priya and Chand Tara (2018). Principles of Home

Science. Commonwealth Publishers.

- 3. Mullick Premlata. (1995). Textbook of Home Science. Kalyani Publishers
- 4. Sharma S. R. and Kaushik Vijay. (2002). Encyclopedia of Home Science. Anmol Publication PVT. LTD.

2.6 Open Elective Course

Course Title	Human Physiology (Theory & Practical)
Course Credits	4 (2+2)
Course	After going through the course, learners will be able to
Outcomes	1. Understand the basic structure and functions of the human body
	2. Acquainted with common diseases/disorders of each system
Module 1 (Cre	dit 1) - Human Physiology I
Learning	After learning the module, learners will be able to
Outcomes	1. Introduce students to basic terminologies
	2. Understand the basic structure of human body
	3. Understand the functioning of cardio vascular, respiratory, gastro intestinal
	4. Brief knowledge about common diseases affecting each system.
	 To create awareness about interdependence and co- ordination between different systems of the body for normal functioning.
Content	INTRODUCTION
Outline	 General terms- anatomy, physiology, symmetrical arrangement, anatomical position. Median plane / lateral
	plane, internal/ external, superficial /deep, superior/
	inferior, anterior/posterior.
	Basic human tissues.
	Introduction to human skeleton.
	Structure of bone and cartilage.
	 Classification of various types of muscle. BLOOD AND LYMPHATIC SYSTEM
	Physical characteristics of blood
	 Blood volume, composition of plasma and functions of plasma protein
	RBC formation and functions
	 Information about anaemia and thalessemia. Blood groups, their importance , Rh-incompatibility.
	 WBC- types, functions, importance of CBC
	 Platelets and mechanism of coagulation
	• Lymph and lymphatic system, spleen and its functions.
	 HEART Its structure and circulation of blood.
	 Its structure and circulation of blood. Cardiac cycle
	• Information about hypertension & ischemic heart disease

	DECDIDATODY SYSTEM
	RESPIRATORY SYSTEM Respiratory organs-nose, sinuses, larynx, trachea, bronchilung brief structure and functions. Mechanism of respiration,factors affecting efficacy of respiration. Various lung volumesand capacities.Common diseases- TB, asthma, bronchitis, cough, pneumoniasinusitis. GASTRO - INTESTINAL SYSTEM Oral cavity, tonsils, pharynx, oesophagus, stomach smalland large intestine - brief structure and functions.Liver, gall bladder, pancreas structure and functions.Common disorders- Dental caries, vomitinga, constipation.Hyperacidity, diabetes.
Module 2 (Crea	dit 1) - Human Physiology II
Learning	After learning the module, learners will be able to
Outcomes	1. Understand the functioning of excretory system and brief knowledge about common diseases affecting this system.
	2.Know more about the nervous system
	3.Know more about the endocrine system
	4.Have knowledge of reproductive system and importance of reproductive health
Content Outline	 EXCRETORY SYSTEM Structure and function of organs of urinary system (in brief). Mechanism of urine formation Common diseases- urinary tract infection and renal stones. Structure and function of skin Regulation of body temperature Common disorders - acne dandruff and burns. NERVOUS SYSTEM Classification of nervous system Structure and functions of different parts of brain, spinal cord and reflex action. Eye - structure and mechanism of vision Common problems - conjunctivitis, cataract. Ear - structure and mechanism of hearing Common problems - deafness, vertigo, motion sickness ENDOCRINE SYSTEM Listing of endocrine glands and their location Functions of pituitary, thyroid, parathyroid and adrenal.

	REPRODUCTIVE SYSTEM
	FEMALE REPRODUCTIVE SYSTEM • Structure
	Menstrual cycle
	Fertilization
	Breast- Structure, function, importance of breast hygiene
	and breast feeding
	 Physiological changes in pregnancy
	• Importance of ante-natal care.
	MALE REPRODUCTIVE SYSTEM
	• Structure
	 Sex education
	Contraception and infertility
	Sexually transmitted diseases-syphilis, gonorrhoea, AIDS
Module 3 (Crea	dit 1) - Human Physiology I Practical
Learning Outcomes	After learning the module, learners will be able to
Outcomes	1. Introduce the students to human skeleton and enable them to identify various bones in the body
	perform simple clinical tests like estimation of haemoglobin and blood group and blood pressure
Content Outline	 Study of human skeleton and identification of bones. Estimation of hemoglobin Estimation of blood groups, Demonstration of peripheral blood smears. Importance of complete blood count.
	 Measurement of pulse rate and blood pressure. Discussion of normal components of urine. Test for abnormal components like sugar, albumin and acetone and discussion on diseases in which they are found.
Module 4 (Crea	dit 1) - Human Physiology II Practical
Learning	After learning the module, learners will be able to
Outcomes	1. Utilize the knowledge learnt to administer first aid for common emergency situations.
	2. Acquaint the students with the basic principles of home nursing.
Content Outline	 FIRST AID -Definition, aims, qualities of first aider, contents of first aid box.
	 Different types of bandages and bandaging techniques. WOUNDS
	 -Classification, dressing and management of hemorrhage- basic principles and discussion about bleeding from various parts of body.

	 FRACTURE Types, symptoms, management. Sprain and dislocation First Aid for- foreign bodies in eye, ear, nose, skin. First Aid for - fainting, burns, heat stroke, asthma, convulsions, electric shock and heart attack. First Aid for - common poisoning, dog bite, snake bite, bee-sting and scorpion bite. BASIC PRINCIPLES OF HOME NURSING- Measuring body temperature, steam inhalation, body sponging, taking care of bed ridden patient and enema. Cardio pulmonary resuscitation
--	---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

Module 1

Multiple choice questions, Short notes, Display, Quiz

Module 2

Multiple choice questions, Short notes, Display, Quiz, PPT Presentation

Module 3 Practical exam

Module 4 Practical exam

- 1. Guyton, A.C., Hall J.E.- Textbook of Medical Physiology Prism Books Pvt Ltd., Bangalore.
- 2. Concise Medical Physiology Chaudhari.
- 3. API Text Book of Medicine.
- 4. Textbook of Gynaecology Datta.
- 5. Winwood Sear's Anatomy and Physiology for Nurses London, Edward Arnold.
- 6. Wilson -Anatomy and Physiology in Health and Illness, Edinburgh, Churchill Livingstone.
- 7. Chatterjee Chandi Charan -Textbook of Medical Physiology London. W.B. Saunder's company.
- 8. Glynn M. (2013) Hutchinson's Book of Clinical Medicine (23rd ed). Saunders Ltd.
- 9. First Aid St .John's Ambulance Association (2002) (8th Revised edition). Dorling Kindersley Publishers Ltd

2.7 Skill Enhancement Course

Course	Life Skills (Practical)
Title Course	2
Credits	
Course	The course will enable the students to:
Outcomes	1. Identify universal human values
	 Develop life skills Apply life skills consciously to be a good human being
Module 1 (Credit1) – Introduction to Life Skills
Learning	This will enable students to:
Outcomes	1. Understand meaning and significance of life skills
	2. Gain Self Competency and Confidence
	3. Practice Emotional and social Competency
	4. Implement and analyze various techniques for developing life skills
Content	Meaning and significance of life skills
Outline	Life skills identified by WHO: Decision making, creative
	thinking, communication, self-awareness, coping with emotions,
	problem solving, critical thinking, interpersonal skills, empathy,
	coping with stress Techniques for developing life skills
Module 2 (Credit1) –Human values
Learning	This will enable students to:
Outcomes	1. Gain Knowledge about universal human values
	2. Understand the importance of human values in personal, social, professional and national life.
	3. Instill human values in their core personality
	4. Apply human values and bring awareness in their surrounding
Content Outline	Human values (In brief): Love and Compassion, Truth, Non- violence
	, Righteousness, Peace, Service, Renunciation (Sacrifice),
	Constitutional Values, Justice, and Human Rights

Module - 1

Conducting a Case study with predesigned questionnaire and its presentation

Module - 2

Analyzing and presenting a case study by identifying different human values (Recognized personalities who followed and practiced human values)

- 1. R R Gaur, R Sangal, G P Bagaria, 2009, A Foundation Course in Human Values and Professional Ethics.
- 2. Bhatia, R. & Bhatia, A (2015) Role of Ethical Values in Indian Higher Education.
- 3. A Nagraj, 1998, JeevanVidyaEkParichay, Divya Path Sansthan, Amarkantak.
- 4. A N Tripathy, 2003, Human Values, New Age International Publishers.
- 5. Shiv Khera, You Can Win, Macmillan Books, New York, 2003.
- 6. Barun K. Mitra, "Personality Development & Soft Skills", Oxford Publishers, Third impression,
- 7. 2017.
- 8. Larry James, "The First Book of Life Skills"; First Edition, Embassy Books, 2016.
- 9. Shalini Verma, "Development of Life Skills and Professional Practice"; First Edition; Sultan
- 10. Chand (G/L) & Company, 2014.
- 11. Butterfield Jeff, "Soft Skills for Everyone", Cengage Learning India Pvt Ltd; 1 edition, 2011.
- 12. Training in Interpersonal Skills: Tips for Managing People at Work, Pearson Education, India; 6 editions, 2015.
- 13. The Ace of Soft Skills: Attitude, Communication and Etiquette for Success, Pearson Education; 1 edition, 2013.