

SRI PADMAVATI MAHILA VISVAVIDYALAYAM: TIRUPATI (AP)

DEPARTMENT OF HOMESCIENCE

B.Voc. NUTRITION AND HEALTH CARE SCIENCES (CBCS) 2020-21

PROGRAMME OUTCOMES (POs) – COURSE OUTCOMES (COs)

Department of Home Science	After successful completion of 3 years undergraduate program a student should be able to
Programme Outcomes (POs)	PO-01. Application of Nutrition principles for Health Promotion & Disease Prevention
	PO-02. Learning culinary skills in improving food quality, menu & Dietetic planning
	PO-03. Understanding the human anatomy, physiological & metabolic processes
	PO-04. Ability to enhance laboratory analytical skills in the biological samples
	PO-05. Orientation of basic patient care and health care delivery & organization
	PO-06. Foster Extension activities to communicate with the people
	PO-07. First hand practical implications through laboratory/ Field / Institutional Visits
	PO-08. Development of audio-visual aids to organize Nutrition & Health Education
	PO-09. Focus on vulnerable groups viz., Pregnant/Lactating/Children/Geriatric
	PO-10. Acquaint skill of project training and / or report writing
Programme Specific Outcomes (POs)	PSO-01. Progress for further higher Post graduation Studies
	PSO-02. Dietitian
	PSO-03. Medical coder
	PSO-04. Nutrition & Health Care Counselor
	PSO-05. Food quality Inspector
	PSO-06. Supervisor at Food Industries
	PSO-07. Job opportunity in Government/NGO Projects
	PSO-08. Laboratory Technician

	PSO-09. Competitive Exams
	PSO-10. Self-Entrepreneur
COURSE OUTCOMES B.VOC.NUTRITION AND HEALTH CARE SCIENCES SEMESTER-I	
COURSE	OUTCOMES After completion of these courses students will be able to
Foundation Course - 01 Communication And Soft Skills-1	CO-1. Relate English Vocabulary for better communication
	CO-2. Apply knowledge on usage of verbs to communicate properly
	CO-3. Illustrate the essential components of Grammar to enhance Vocabulary
	CO-4. Build up listening skills in English language and better understanding
	CO-5. Evaluate Reading and Writing Skills for Refinement of English language Learning
Voc. NHCS 1.1 Basic Nutrition	CO-1. Plan Balanced Diet using Food groups and application in Standardisation of Food Preparations for Managing Nutritional Adequacy and Deficiencies
	CO-2. Evaluate ABCD Techniques in Nutritional Status Assessment
	CO-3. Identify the Energy Rich Sources and understand the role in body functioning to meet the Basic requirements and Maintaining Energy Balance
	CO-4. Illustrate Protein Rich Foods and acquaint knowledge on the importance in body building with appropriateness in correcting protein deficiencies
	CO-5. Identify Protective Foods and list out Functions
	CO-6. Analyse the role of Water and Electrolyte Balance in maintaining body Homeostasis
Voc. NHCS 1.2 Human Anatomy and Physiology-I	CO-1. Define the Basic Human Anatomical and Physiology Concepts in relation to Growth and Development
	CO-2. Interpret the Blood Group and RH Factor and Estimate the Haemoglobin Value
	CO-3. Develop Skill on preparation of Educational Aids on Human Anatomical Structures and functioning
	CO-4. List out the various techniques of Electro-Encephalograms
	CO-5. Relate structures, functions and comprehend the Physiological and Metabolic process in the human body
Voc. NHCS 1.3 Nutritional Biochemistry-I	CO-1. Model Preparation on cell structure and functions
	CO-2. Elaborate the Macronutrient conceptual knowledge in relation to Physiological Processes
	CO-3. Able to justify the role of various Micronutrients for normal Physiological and Metabolic functions
	CO-4. Outline the Water and Electrolyte Homeostasis and understand role of Buffer system in Digestion
	CO-5. Analyse the chemistry of Nucleic acids and Nucleotides Gene characteristics Transmission
Voc. NHCS 1.4 Microbiology	CO-1. Classify the Microorganisms and compare the Structural and General Characteristics

	CO-2. Examine the microbial identification techniques and discuss on Immunological Tests
	CO-3. Elaborate the mode of Disease Transmission and Control Measures to reduce or prevent spread of diseases
	CO-4. Identify the various causative factors influencing microbial growth and disease causation
	CO-5. Perceive the different types of Specimen Collection Techniques to analyse the pathogenesis
Voc. NHCS 1.5 Health and Hygiene	CO-1. Relate the Concepts of Dimensions and Determinants of Health to understand the Health conditions of the Society
	CO-2. Discuss the Indicators, Levels of Health and utilising the knowledge of Health Care Services to extend Community Services
	CO-3. Evaluate the Hygienic and Sanitation Measures and Explore the Government and Non-Governmental Services to inculcate the hygienic concept at the Gross root level
	CO-4. Summarize the International Health Services to obtain thorough picture on possible Health Care Facilities
	CO-5. Support the community in motivating and creating Awareness on Optimal Health through Suitable Health Education
Voc. NHCS 1.6 Basics of Computer Applications	CO-1. Understanding basic concepts of Computer Applications to know how to infer the Trending Technology
	CO-2. Constructive skills on Disk-Operating Systems in Data interpretation and Presentation
	CO-3. Translate the Internet and Multimedia Applications into the Academics, Research and Extension Services
	CO-4. Choose the Appropriate Statistical Packages in analysing the gathered information or data
	CO-5. Design community nutrition education programme with the application of computers
SEMESTER-II	
HSEng 2.1 General English-I	CO-1. Relate learner to communicate effectively and appropriately in real life situation
	CO-2. Constructive skills on English effectively for study purpose across the curriculum
	CO-3. Create interest in and appreciation of Literature
	CO-4. Justify to integrate the use of the four language skills i.e. Reading, Listening, Speaking
	CO-5. Examine the behavior, skill, or action that a student can demonstrate for the effective communication
Voc. NHCS 2.2 Human Anatomy and Physiology-II	CO-1. Construct Hedonic Rating Scale through understanding the structural and functional features of Sensory Organs
	CO-2. Demonstrate the functioning of Respiratory System through calculating Respiratory Rate
	CO-3. Justify the role of Digestive organs and secreted Juices in the Process of Digestion and Absorption
	CO-4. Examine the Cardiovascular functioning through measuring Blood Pressure, Heart Rate and Pulse Rate
	CO-5. Apply the conceptual knowledge of the Reproductive and Excretory organs to relate their structural and functional attributes

Voc. NHCS 2.3 Nutritional Biochemistry-II	CO-1. Estimate the Blood Glucose Levels, Evaluate Glucose Tolerance Test and assess Regulation of Blood Glucose Levels
	CO-2. List out the Biological Applications of Lipid Metabolism and Recall the Normal and Abnormal Levels
	CO-3. Discuss Protein Constituents especially Haemoglobin , Collagen, Myosin and the Metabolism of Proteins and Amino Acids
	CO-4. Illustrate different types of enzymes, properties, functions and Inhibitory Action
	CO-5. Able to analyse the abnormal urine constituents to predict pathological conditions and Inspect Organ Function Tests
Voc. NHCS 2.4 Community Health	CO-1. Explain the Basic Principles of Primary Health Care, Changing Concepts of Health Care and an insight into Health For All, The Millennium Development Goals
	CO-2. Improve the knowledge on Health Care Delivery to enhance Health Status and Health Problems through Exploring Resources
	CO-3. Define Epidemiology and its Triad to understand about Dynamics of Disease Transmission
	CO-4. Classify the different Existing Systems of Medicine Prevailing in India
	CO-5. Build up Constructive Idea on Job role of Health Team, Health Insurance and Health Programmes of India
Voc. NHCS 2.5 Geriatric Care	CO-1. Explain the the process of ageing and the changes
	CO-2. Improve the knowledge on Introduction to functions of Geriatric Aide
	CO-3. Define Nutritional requirements and common problems among elderly
	CO-4. Demonstrate the the techniques of stress management
	CO-5. Build up Constructive Idea on various Government Programmes and Policies intended to the elderly
Voc. NHCS 2.6 Nutrition During Life Span	CO-1. Design food plans and assess the adequacy of diets to meet the nutritional needs of humans at various stages of life cycle
	CO-2. Analyse nutrition issues and conditions and also recommend nutrition intervention and support to promote the health and wellbeing
	CO-3. Enable Critical Judging of Nutritional and Food Requirements at different Stages of Life Cycle
	CO-4. Demonstrate Weaning Foods and School Lunch Programme and to focus on Supplementary Programmes
	CO-5. Apply Dietary Guidelines in arriving at appropriate Diets for different Age Groups and Physiological Conditions
SEMESTER-III	
Foundation Course – 02 Information & Communication Technology –1	CO-1. Demonstrate the general working operational procedures of a computer
	CO-2. Build up DTP Skills for effective learning in the usage of Computers
	CO-3. Develop an opportunity for understanding of the basic operations of a computer system
	CO-4. Evaluate the basic principles of using Windows operation system
	CO-5. Motivate to learn and practice basic keyboarding and mouse use
Voc. NHCS 3.1	CO-1. Create Awareness on Delivery Stages and elaborating Family

Reproductive Health	Planning Methods and MTP Acts during Hospital Visits
	CO-2. Interview the Reproductive aged adolescent girls and women to identify Menstrual Problems
	CO-3. Appraise the Menstrual Hygiene Practices, Psychological Problems to Adolescence Health
	CO-4. Show the Reproductive Health Strategies at Pre, Peri and Post-Menopausal Stages through Illustrations
	CO-5. Relate the types of Abuses with the Signs and Symptoms and to Find out the Policies and Procedures in Handling Abuses
Voc. NHCS 3.2 Dietetics	CO-1. Define knowledge of research principles and methods associated with nutrition and dietetics Practice
	CO-2. Demonstrate initiative and judgment using a professional, ethical and entrepreneurial approach advocating for excellence in nutrition and dietetics
	CO-3. Plan Dietary Management of Nutritional Deficiency Disorders and Febrile Diseases
	CO-4. Select Suitable Dietary Modifications in the Management of Diseases Concerned to Gastro Intestinal tract and Liver and Biliary System
	CO-5. Independently Design, Plan and Execute Diets with regard to nutrition and dietetics practice
EE Voc. NHCS 3.3 Food and Nutrition Security (External Elective offered)	CO-1. Discuss on Food and Nutrition Security, associated Technologies and the Factors Affecting
	CO-2. Recall the Levels of Food Security and Concerned Public Sector Programmes
	CO-3. Identify the Under Utilized Foods and Apply the Knowledge in Promoting Nutrition and Food Security
	CO-4. Classify the Food Industrial Wastes among the Various Food Processing Units
	CO-5. Prioritize the Utility of Food Waste as Bye products in Bringing Value Addition and to meet the Food and Nutrition Security
Voc. NHCS 3.4 Food Preparation-I	CO-1. Summarize and critically discuss and understand both fundamental and applied aspects of Food Science and nutrition
	CO-2. Discuss Scientific Principles of Cooking Methods, Methods to Retain Nutritive Value
	CO-3. Choose Different Methods of Sensory Evaluation in evaluating the Culinary Preparations
	CO-4. Develop Skills on Cereal and Pulse Cookery and various Food Preparation Techniques and in turn to Conserve Nutritive Value
	CO-5. Examine the Fruit and Vegetable Cookery and to have an insight into different types of Beverages
Voc. NHCS 3.5 Body Care and Wellness	CO-1. Demonstrate the Natural Methods of Fruit therapy, Herbotherapy and Aroma Therapy
	CO-2. Discuss on Hair and Skin Care and to improve the students on Suitable Treatment Methods
	CO-3. Prove the Effectiveness of Pedicure and Manicure Equipment in Hand and Foot Care
	CO-4. Analyse the Relationship of Wellness Measures of Yoga, Exercise, Diet, Healthy Life Style in Promoting Health

	CO-5. Make use of Basic Personnel Grooming Measures for effective client relations and understand the Importance of Good Ethics
Voc. NHCS 3.6 Patient Relation Services-I	CO-1. Develop Soft skills and communication related to patient relation services
	CO-2. Discuss on Patient Behavior and Psychology for proper motivation towards emotional support
	CO-3. Choose suitable Safety and First Aid measures in normal and emergency conditions with special reference to CPR
	CO-4. Analyse Institutional emergencies, Fire safety and security in Hospitals
	CO-5. Make use of learning skills on management of Interdepartmental and Intradepartmental Networking
SEMESTER-IV	
HSEng 4.1 General English-II	CO-1. Relate learner to communicate effectively and appropriately in real life situation
	CO-2. Constructive skills on English effectively for study purpose across the curriculum
	CO-3. Create interest in and appreciation of Literature
	CO-4. Justify to integrate the use of the four language skills i.e. Reading, Listening, Speaking
	CO-5. Examine the behavior, skill, or action that a student can demonstrate for the effective communication
Voc. NHCS 4.2 Therapeutic Nutrition	CO-1. Identify the conditions of Weight Imbalances, associated Complications and the suitable Management Strategies
	CO-2. Assume the Techniques involved in Modifications of Normal Diets to treat Metabolic Disorders
	CO-3. Compare the Acute and Chronic Renal and Pancreas and accordingly Plan Therapeutic Diets
	CO-4. Explain the Measures to overcome the Problems related to Stress and Malabsorption Syndrome
	CO-5. Plan the Dietary Management Techniques for the Management of Inborn Errors of Metabolism and Special Conditions like AIDs/Cancer etc.
Voc. NHCS 4.3 Patient Relation Services-II	CO-1. Determine the Role of different Departments and Managerial Approaches in Orienting Patient Centric Management
	CO-2. Take part in Patient Counselling at various levels both at Individual and Group with special focus on Family Counselling
	CO-3. Develop skills on Hospital Front Office Management Services using different approaches through visiting Hospitals
	CO-4. Build up Suitable Hospital Management Process and understand the Steps and Strategies involved
	CO-5. Define Hospital Acquired Infections, Find out the Sources and Infection Control Policies to deal Risk Management
Voc. NHCS 4.4 Food Preparation-II	CO-1. Demonstrate different types of Milk Products and understand about the Quality Standards
	CO-2. Selection criteria for Flesh Foods and Define Principles in the application of Meat Cookery
	CO-3. Apply Principles of Sugar Cookery by following stages in the preparation of Crystalline and Non-Crystalline Candies

	CO-4. Justify the Role of Fat in various types of Culinary Preparations and Survey the Available Fats and Oils in the Market
	CO-5. List out the various Kitchen Safety Measures and the First Aid Kit at the Kitchen
Voc. NHCS 4.5 Maternal And Child Health Care	CO-1. Discuss on Maternal Health Indicators and Related Legislations and Issues of Maternal Benefits
	CO-2. Outline the Female Reproductive Functioning and Review of Foetal Development
	CO-3. Determine the Signs and Symptoms and Diagnosis of Pregnancy, Management and associated Complications including HIV/AIDS
	CO-4. Apply the knowledge on the Measures of New Born Care and Identify the Babies at immediate need for Care
	CO-5. Examine the National Welfare Programmes for Women, Ethical and Legal Issues in Obstetrics and Gynecology
Voc. NHCS 4.6 Lab Course	CO-1. Analyse the Skills required for Lab Management and Handling Laboratory Reagents
	CO-2. Develop the Skills of Preparation of Buffers, Normal Solutions and Reagents and Care in Preparations
	CO-3. Estimation of Glucose in Biological Fluids, Reducing Sugar-Benedict Test, Protein: Heat and Acetic Acid Test, and Sulfosalicylic Acid, Method, Ketone Bodies-Roth Era's Test.
	CO-4. Appraise the various Chromotography Techniques for Isolation of Lipids from various Samples and Biochemical Assay for Protein Estimations
	CO-5. List out the different Methods of Electrolytes Estimation and Immuno Assays
SEMESTER-V	
Foundation Course – 03 Environmental Studies	CO-1. Build up awareness on Environmental Science as a social responsible citizen
	CO-2. Explain the importance of the ecological system to understand the Ecosystems, Biodiversity and its conservation
	CO-3. Outline the pollution control measures and their role in reducing Environmental Risk Conditions
	CO-4. List out the ways of protecting environment for motivating towards need of Environmental Protection
	CO-5. Interpret the knowledge on Social Issues related to the Environment
Voc. NHCS 5.1 Sports Nutrition	CO-1. Recall the Historical Perspective and Basic Concepts of Sports Nutrition
	CO-2. Develop Skills on Sports, Exercise and Health Related Fitness
	CO-3. Discuss Body Composition and the required Dietary issues to meet the Training and Competitions
	CO-4. Evaluate the Physiological and Metabolic processes and the suitable measures to enhance Exercise Performance
	CO-5. Examine different types of Exercise Regimens and Programmes along with the Fads and Fallacies associated in the Sports Persons
Voc. NHCS 5.2 Introduction To Health Service Management	CO-1. Elaborate Basic Concepts of Community Health, Epidemiology and Population Management
	CO-2. Appraise the Role of Health Information System in providing

	Primary Health Care
	CO-3. Apply the Relevant Knowledge on Clinical Care, Physical and Psychological aspects of Community Health
	CO-4. Illustrate the Various Special Community oriented aspects in providing Preventive and Promote Health Care
	CO-5. Analyse the Knowledge on Planning and Management of Population Policy
Voc. NHCS 5.3 Health Counselling	CO-1. Evaluate the basic concepts and the process of Health Counselling
	CO-2. Develop counselling skills pertaining to the Management of major Health Problems
	CO-3. Discuss about the effective counseling techniques to cope up the behavioural problems
	CO-4. Motive the community on managing the mental health problems and the preventive measures
	CO-5. Illustrate Parenting, Peer counseling and Mass Media influence on Health
Voc. NHCS 5.4 Basic Patient Care	CO-1. Build up the Skills of Basic Patient Care and the methods of Physical Assessment
	CO-2. Discuss the Admission and Discharge Procedures and Record keeping in disseminating the Hospital Services
	CO-3. Assess the Knowledge on importance of Maintaining good Personal and Environmental Hygiene in Health and Disease
	CO-4. Illustrate the Safety needs and Extending the Interpersonal relations to enhance the Health Status in an individual
	CO-5. Develop Constructive Ideas on Physical comforts required for the Patients for comfortable mobility of the Patients
Voc. NHCS 5.5 Patient Relation Services-III	CO-1. Explain the Students on Hospital Administration Procedures and Protocols
	CO-2. Create Awareness on Marketing Management Strategies of Healthcare Organization
	CO-3. List out the techniques of Hospital Accounting and Budgeting
	CO-4. Examine the Process Approach to Quality Management in Hospitals
	CO-5. Determine Biomedical Waste Management and Handling at the Hospital Level
Voc. NHCS 5.6 Seminar	CO-1. Develop the Skill of choosing the appropriate Topic of interest in the field of Health and Nutrition
	CO-2. Motive for Enhancing the Vocabulary and Teaching Skills amongst Students
	CO-3. Create awareness towards the Soft skills by using advanced and Creative Technology in presentation of the Topic
	CO-4. Interpret the Confidence levels in the Students and to enhance the Communication Skills through Seminar
	CO-5. Evaluate for the appropriate Technological Perspectives to meet the Modern Trends and explain the different Strategies to Promote Health and Prevent Diseases
SEMESTER-VI	
Voc. NHCS 6.1 Disease	CO-1. Illustrate the Scope, Concepts, and Definitions related to Public

Prevention and Community Organization	Health Practice development of Public Health Interventions
	CO-2. Create awareness Public Health Interventions in Clinical, Worksite, School Site, and other Community Settings
	CO-3. Identify the Relationships between Physical, Social, and Cultural forces in the Etiology of disease and the Practice of Public Health Prevention
	CO-4. Analyse Current issues and future trends in emerging disease and other health needs with respect to Community Health Promotion
	CO-5. List Out Legislation and Regulations, Fiscal policies, Guidelines, Organizational Policies and Programs related to Healthy Public Policy
Voc. NHCS 6.2 Education & Communication in Health Management	CO-1. Analyse about the effective management Techniques to describe the Communication Process
	CO-2. Illustrate the Techniques of elective communication in extent in the Education Process of Health Management
	CO-3. Develop the Skills of disseminating the effective inter personnel relations with Patients, Families and Co-Workers
	CO-4. Justify the Effective human relations and the basic skills of Counselling and Guidance
	CO-5. Create awareness among the Individuals, groups and community about Health with their Active Participation
Voc. NHCS 6.3 Orientation of Health Care Delivery	CO-1. Discuss about the Evolution of Health Care Delivery Systems in India
	CO-2. Explain about the Current Mechanisms for Financing of Health Care
	CO-3. Illustrate the Role of Accrediting, Licensing, and Regulatory Agencies and their impact on the delivery of Health Care Services
	CO-4. Select Underserved Population and working out for the Frame Work of Orienting Health Care
	CO-5. Examine the Health Care Data, Prepare Health Care Data for Presentation, Verify reliability and Validity of Health Care Data
Voc. NHCS 6.4 Project	CO-1. Design plans with relevant people to achieve the project's goals
	CO-2. Build up links and dependencies, and schedule to achieve deliverables in relation to the Planned Schedule
	CO-3. Influence the Students to enhance Confidence Levels and involve in bringing out positive outcomes
	CO-4. Motivate a strong sense of connectivity and communication skills to implement the tasks with the target groups.
	CO-5. Create ability in the aforementioned skills and knowledge sets in multiple combinations to solve problems and complete projects
Voc. NHCS 6.5 Internship	CO-1. Develop an in-depth skills of the practical aspects of knowledge and skills acquired during the course in the relevant subject/subjects
	CO-2. Demonstrate hands on experience for higher proficiency in their selected area of expertise
	CO-3. Analyse their analytical abilities for situation and analysis and bringing about improvements
	CO-4. Create Awareness on Job experience, as an understudy in a Hospitals/Beauty Parlours, Clinical Laboratories, Community Health Centers and Health Care Organization
	CO-5. Interpret the knowledge on the systems and procedures and learn

	to make decisions considering the Organization as an Integral Unit
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Voc.NHCS 1.2 Human Anatomy and Physiology-I	CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
	CO1.2.1	L	M	H	H	H	H	H	M	L	H
	CO1.2.2	L	L	H	H	H	H	H	M	L	H
	CO1.2.3	M	L	H	H	H	H	H	M	L	H
	CO1.2.4	L	L	H	H	H	H	H	M	M	H
	CO1.2.5	L	L	H	H	H	H	H	M	L	H

Voc.NHCS 1.3 Nutritional Biochemistry-I	CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
	CO1.3.1	L	L	H	H	H	H	H	M	L	H
	CO1.3.2	M	L	H	H	H	H	H	M	L	H
	CO1.3.3	L	L	H	H	H	H	H	M	M	H
	CO1.3.4	L	M	H	H	H	H	H	M	L	H
	CO1.3.5	L	L	H	H	H	H	H	M	L	H

Voc.NHCS 1.4 Microbiology	CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
	CO1.4.1	M	L	H	H	H	H	H	M	L	H
	CO1.4.2	L	M	H	H	H	H	H	M	M	H
	CO1.4.3	M	L	H	H	H	H	H	M	L	H
	CO1.4.4	L	L	H	H	H	H	H	M	L	H

	CO1.4.5	L	M	H	H	H	H	H	M	M	H
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Voc.NHCS 1.5 Health and Hygiene	CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
	CO1.5.1	H	H	L	H	H	H	H	H	H	M
	CO1.5.2	H	H	M	H	H	H	H	H	H	M
	CO1.5.3	H	H	L	H	H	H	H	H	H	M
	CO1.5.4	H	H	L	H	H	H	H	H	H	M
	CO1.5.5	H	H	M	H	H	H	H	H	H	M

Voc.NHCS 1.6 Basic of Computer Applications	CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
	CO1.6.1	H	M	H	L	H	H	M	H	L	H
	CO1.6.2	H	M	H	L	H	H	M	H	L	H
	CO1.6.3	H	L	M	L	H	H	L	H	L	H
	CO1.6.4	H	M	H	L	H	H	M	H	L	H
	CO1.6.5	H	L	H	H	H	H	H	H	L	H

Voc.NHCS 2.1 General English-I	CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
	CO2.1.1	H	M	L	L	H	H	M	H	L	H
	CO2.1.2	H	M	L	L	H	H	M	H	L	H

	CO2.1.3	H	L	L	L	H	H	L	H	L	H
	CO2.1.4	H	M	L	L	H	H	M	H	L	H
	CO2.1.5	H	L	L	L	H	H	H	H	L	H

Voc.NHCS 2.2	CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
Human Anatomy and Physiology-II	CO2.2.1	L	M	H	H	H	H	H	M	L	H
	CO2.2.2	L	L	H	H	H	H	H	M	L	H
	CO2.2.3	M	L	H	H	H	H	H	M	L	H
	CO2.2.4	L	L	H	H	H	H	H	M	M	H
	CO2.2.5	L	L	H	H	H	H	H	M	L	H

Voc.NHCS 2.3	CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
Nutritional Biochemistry – II	CO2.3.1	L	L	H	H	H	H	H	M	L	H
	CO2.3.2	M	L	H	H	H	H	H	M	L	H
	CO2.3.3	L	L	H	H	H	H	H	M	M	H
	CO2.3.4	L	M	H	H	H	H	H	M	L	H
	CO2.3.5	L	L	H	H	H	H	H	M	L	H

	CO2.6.5	H	H	M	H	H	H	H	H	H	M
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FC02- Information and Communication Technology	CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
	COFC02.1	H	M	H	L	H	H	M	H	L	H
	COFC02.2	H	M	H	L	H	H	M	H	L	H
	COFC02.3	H	L	M	L	H	H	L	H	L	H
	COFC02.4	H	M	H	L	H	H	M	H	L	H
	COFC02.5	H	L	H	H	H	H	H	H	L	H

Voc.NHCS 3.1 Reproductive Health	CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
	CO3.1.1	L	L	M	L	H	H	H	H	H	H
	CO3.1.2	L	L	M	L	H	H	H	H	H	H
	CO3.1.3	L	L	M	L	H	H	H	H	H	H
	CO3.1.4	L	L	M	L	H	H	H	H	H	H
	CO3.1.5	L	L	M	L	H	H	H	H	H	H

Voc.NHCS 3.2 Dietetics	CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
	CO3.2.1	H	H	H	H	M	M	M	M	H	H
	CO3.2.2	H	H	H	H	M	M	M	M	H	H

	CO3.2.3	H	H	H	H	M	M	M	M	H	H
	CO3.2.4	H	H	H	H	M	M	M	M	H	H
	CO3.2.5	H	H	H	H	M	M	M	M	H	H

EEVoc.NHCS 3.3 Food and Nutrition Security (External Elective)	CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
	CO3.3.1	H	M	L	M	L	H	H	H	L	H
	CO3.3.2	H	M	L	M	L	H	H	H	L	H
	CO3.3.3	H	M	L	M	L	H	H	H	L	H
	CO3.3.4	H	M	L	M	L	H	H	H	L	H
	CO3.3.5	H	M	L	M	L	H	H	H	L	H

M

Voc.NHCS 3.4 Food Preparation – I	CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
	CO3.4.1	H	H	L	H	L	M	H	M	M	H
	CO3.4.2	H	H	L	H	L	M	H	M	M	H
	CO3.4.3	H	H	L	H	L	M	H	M	M	H
	CO3.4.4	H	H	L	H	L	M	H	M	M	H
	CO3.4.5	H	H	L	H	L	M	H	M	M	H

Voc.NHCS 3.5	CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
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Body care and Wellness	CO3.5.1	L	L	L	L	L	H	H	L	L	H
	CO3.5.2	L	L	L	L	L	H	H	L	L	H
	CO3.5.3	L	L	L	L	L	H	H	L	L	H
	CO3.5.4	L	L	L	L	L	H	H	L	L	H
	CO3.5.5	L	L	L	L	L	H	H	L	L	H

Voc.NHCS 3.6 Patient Relation Services-I	CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
	CO3.6.1	M	M	L	M	H	H	H	H	H	H
	CO3.6.2	M	M	L	M	H	H	H	H	H	H
	CO3.6.3	M	M	L	M	H	H	H	H	H	H
	CO3.6.4	M	M	L	M	H	H	H	H	H	H
	CO3.6.5	M	M	L	M	H	H	H	H	H	H

Voc.NHCS 4.1 General English-II	CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
	CO4.1.1	H	M	L	L	H	H	M	H	L	H
	CO4.1.2	H	M	L	L	H	H	M	H	L	H
	CO4.1.3	H	L	L	L	H	H	L	H	L	H
	CO4.1.4	H	M	L	L	H	H	M	H	L	H
	CO4.1.5	H	L	L	L	H	H	H	H	L	H

Voc.NHCS 4.2 Therapeutic Nutrition	CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
	CO4.2.1	H	H	H	H	M	M	M	M	H	H
	CO4.2.2	H	H	H	H	M	M	M	M	H	H
	CO4.2.3	H	H	H	H	M	M	M	M	H	H
	CO4.2.4	H	H	H	H	M	M	M	M	H	H
	CO4.2.5	H	H	H	H	M	M	M	M	H	H

Voc.NHCS 4.3 Patient Relation Services -II	CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
	CO4.3.1	M	M	L	M	H	H	H	H	H	H
	CO4.3.2	M	M	L	M	H	H	H	H	H	H
	CO4.3.3	M	M	L	M	H	H	H	H	H	H
	CO4.3.4	M	M	L	M	H	H	H	H	H	H
	CO4.3.5	M	M	L	M	H	H	H	H	H	H

Voc.NHCS 4.4 Food Preparation -II	CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
	CO4.4.1	H	H	L	H	L	M	H	M	M	H
	CO4.4.2	H	H	L	H	L	M	H	M	M	H
	CO4.4.3	H	H	L	H	L	M	H	M	M	H

	CO4.4.4	H	H	L	H	L	M	H	M	M	H
	CO4.4.5	H	H	L	H	L	M	H	M	M	H

Voc.NHCS 4.5 Maternal and Child Health Care	CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
	CO4.5.1	M	M	L	M	H	H	H	H	H	H
	CO4.5.2	M	M	L	M	H	H	H	H	H	H
	CO4.5.3	M	M	L	M	H	H	H	H	H	H
	CO4.5.4	M	M	L	M	H	H	H	H	H	H
	CO4.5.5	M	M	L	M	H	H	H	H	H	H

Voc.NHCS 4.6 Lab Course	CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
	CO4.6.1	M	L	H	H	H	H	H	M	L	H
	CO4.6.2	L	M	H	H	H	H	H	M	M	H
	CO4.6.3	M	L	H	H	H	H	H	M	L	H
	CO4.6.4	L	L	H	H	H	H	H	M	L	H
	CO4.6.5	L	M	H	H	H	H	H	M	M	H

FC03 – Environmental	CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
	COFC03.1	M	L	L	L	H	H	M	H	L	H

Studies	COFC03.2	M	L	L	L	H	H	M	H	L	H
	COFC03.3	M	L	L	L	H	H	M	H	L	H
	COFC03.4	M	L	L	L	H	H	M	H	L	H
	COFC03.5	M	L	L	H	H	H	M	H	L	H

Voc.NHCS 5.1 Sports Nutrition	CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
	CO5.1.1	H	H	M	H						
	CO5.1.2	H	H	M	H						
	CO5.1.3	H	H	M	H						
	CO5.1.4	H	H	M	H						
	CO5.1.5	H	H	M	H						

Voc.NHCS 5.2 Introduction to Health Service Management	CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
	CO5.2.1	M	M	L	M	H	H	H	H	H	H
	CO5.2.2	M	M	L	M	H	H	H	H	H	H
	CO5.2.3	M	M	L	M	H	H	H	H	H	H
	CO5.2.4	M	M	L	M	H	H	H	H	H	H
	CO5.2.5	M	M	L	M	H	H	H	H	H	H

Voc.NHCS 5.3 Health Counselling	CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
	CO5.3.1	M	M	L	M	H	H	H	H	H	H
	CO5.3.2	M	M	L	M	H	H	H	H	H	H
	CO5.3.3	M	M	L	M	H	H	H	H	H	H
	CO5.3.4	M	M	L	M	H	H	H	H	H	H
	CO5.3.5	M	M	L	M	H	H	H	H	H	H

Voc.NHCS 5.4 Basic Patient Care	CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
	CO5.4.1	M	M	L	M	H	H	H	H	H	H
	CO5.4.2	M	M	L	M	H	H	H	H	H	H
	CO5.4.3	M	M	L	M	H	H	H	H	H	H
	CO5.4.4	M	M	L	M	H	H	H	H	H	H
	CO5.4.5	M	M	L	M	H	H	H	H	H	H

Voc.NHCS 5.5 Patient Relation Services-III	CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
	CO5.5.1	M	M	L	M	H	H	H	H	H	H
	CO5.5.2	M	M	L	M	H	H	H	H	H	H
	CO5.5.3	M	M	L	M	H	H	H	H	H	H
	CO5.5.4	M	M	L	M	H	H	H	H	H	H

	C05.5.5	M	M	L	M	H	H	H	H	H	H
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Voc.NHCS 5.6 Seminar	CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
	C05.6.1	H									
	C05.6.2	H									
	C05.6.3	H									
	C05.6.4	H									
	C05.6.5	H									

Voc.NHCS 6.1 Disease Prevention and Organization	CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
	C06.1.1	M	M	L	M	H	H	H	H	H	H
	C06.1.2	M	M	L	M	H	H	H	H	H	H
	C06.1.3	M	M	L	M	H	H	H	H	H	H
	C06.1.4	M	M	L	M	H	H	H	H	H	H
	C06.1.5	M	M	L	M	H	H	H	H	H	H

Voc.NHCS 6.2 Education & Communication in Health	CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
	C06.2.1	M	M	L	M	H	H	H	H	H	H
	C06.2.2	M	M	L	M	H	H	H	H	H	H

Management	CO6.2.3	M	M	L	M	H	H	H	H	H	H
	CO6.2.4	M	M	L	M	H	H	H	H	H	H
	CO6.2.5	M	M	L	M	H	H	H	H	H	H

Voc.NHCS 6.3 Orientation of Health Care Delivery	CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
	CO6.3.1	M	M	H	M	H	H	H	H	H	H
	CO6.3.2	M	M	H	M	H	H	H	H	H	H
	CO6.3.3	M	M	H	M	H	H	H	H	H	H
	CO6.3.4	M	M	H	M	H	H	H	H	H	H
	CO6.3.5	M	M	H	M	H	H	H	H	H	H

Voc.NHCS 6.4 Project	CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
	CO6.4.1	H	M	H	M	H	M	H	M	M	H
	CO6.4.2	H	M	H	M	H	M	H	M	M	H
	CO6.4.3	H	M	H	M	H	M	H	M	M	H
	CO6.4.4	H	M	H	M	H	M	H	M	M	H
	CO6.4.5	H	M	H	M	H	M	H	M	M	H

Voc.NHCS 6.5	CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
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Internship	CO6.5.1	H	H	H	M	H	M	H	M	M	H
	CO6.5.2	H	H	H	M	H	M	H	M	M	H
	CO6.5.3	H	H	H	M	H	M	H	M	M	H
	CO6.5.4	H	H	H	M	H	M	H	M	M	H
	CO6.5.5	H	H	H	M	H	M	H	M	M	H