KHYBER MEDICAL UNIVERSITY

GENERIC BS NURSING CURRICULUM

YEAR THREE STUDY GUIDE
(SEMESTER-II)

16 Weeks Activity Planner

2025-26

CENTRAL CURRICULUM & ASSESSMENT COMMITTE FOR NURSING, REHABILITATION SCIENCES & ALLIED HEALTH SCIENCES

Contents

Vision & Mission

KMU VISION

Khyber Medical University will be the global leader in health sciences, academics and research for the efficient and compassionate health care provision

KMU MISSION

Khyber Medical University aims to promote professional competence through learning and innovation for providing comprehensive quality health care to the nation.

CENTRAL CURRICULUM COMMITTEE

Opened new door, for the beginning of new era under the supervision of Prof Dr. Zia ul Haq, VC Khyber Medical University and Dr. Brekhna Jamil Director IHPE&R the Central Curriculum & Assessment Committee has been formulated. This is first step taken to change the dynamics of Allied Health Sciences and Nursing Education in Pakistan. Committee by using a craft man approach has developed study guide which will provide pathways for other to follow and KMU will preserve the leadership in providing quality education across Pakistan and will be a reference point of quality in future. Committee has developed curricula to promote inter-professional learning, enhancing and improving the quality of life for people by discovering, teaching and applying knowledge related to Nursing, rehabilitation Sciences & Allied Health sciences. High-quality education is relevant to patient needs and the changing patterns of skills that are demanded by modern health care and aligning assessment and providing quality training to students will definitely be the outcome which will strengthen and enhance quality of Health System across Pakistan.

The Central Curriculum & Assessment Committee is as follows:

Dr. Brekhna Jamil	Chairperson	Director Institute of Health Professions Education & Research, KMU
Prof. Dr. Zia Ul Islam	Member	Professor ENT
Dr. Danish Ali Khan	Member	Director/ Principal Northwest Institute of Health Sciences
Sardar Ali	Member	Assistant Professor Institute of Nursing Khyber Medical University
Muhammad Asif Zeb	Member	Lecturer Institute of Paramedical Sciences Khyber Medical University
Nazish A Qadir	Member	Lecturer Institute of Physical Medicine & Rehabilitation Khyber Medical University
Syed Amin Ullah	Member	Assistant Director Academics Khyber Medical University

Program Introduction and Overview

INTRODUCTION

The B.S (Generic) Nursing Programme aspires to produce graduate nurses to work in an ever changing complex health care delivery system and to attain their true potentials in becoming competent, caring, and inquisitive members of the multidisciplinary health care teams for improving the health status of individuals, families and the society at large. The mission of B.S Nursing Programme is to prepare graduates with evidence-based knowledge and practices in the field of nursing to acquire the maximum level of traits and attributes necessary to be well educated, skilled, and righteous nursing professional through dedicated faculty, sufficient resources and well-planned curriculum.

BSN program is comprised of 134 credit hours spread over a minimum of four years duration. The broader framework of the BSN program is given below:

Credit Hours	134
Program Duration	4-6 Years (Extendable to Another 1 Year in Special Cases)
Semester Duration	16-18 Weeks (1-2 Weeks for Examination)
Summer Semester Credit Hours	Maximum 8 (For Remedial/Deficiency/Failure/Repetition of Courses)
Summer Semester Duration	8-9 Weeks
Attendance	75 %
3 Credit Hours (Theory)	3 Classes (1-Hour Each) OR 2 Classes (1.5-Hour Each) OR 1 Class (3-Hours)
1 Credit Hour (Practical /Laboratory/Field)	3-Hours

By the end of the Programme the learners will be able:

1. To develop nursing graduates skilled with progressive theoretical as well as practical knowledge and skills
2. To educate nurses working with different capacities and various roles in health care institutions/organizations
3. To train nurses for giving care with leadership, management, problem solving and decision making skills
4. To Integrate logics and reasoning in complex situations or settings while providing holistic care to patients
5. To prepare nurses with analytical, critical thinking and research skills to promote evidenced based care

Teaching Strategies

- Interactive Sessions — Cognitive Domain
- Lectures — Cognitive Domain
- Small Group Discussion (SGDs-PBL,CBL, TBL) — Cognitive Domain/Affective Domain
- Role Plays — Affective Domain
- Practical/Video Demonstrations — Psychomotor Domain

Learning Domains Assessment

- Cognitive Domain — C1-C6 — (MCQs=Final Exam SAQs/SEQs=May Be in Mid Term Exam)*
- Psychomotor Domain — P1-P4 — (OSPE/Practical Demonstrations)
- Affective Domain — A1-A5 — (OSPE/OSCE)

Note: OSPE/OSCE will be conducted in the Subject of Fundamentals of Nursing-II and Anatomy & Physiology–II in Year-I, Semester-II.

SEVEN SEMESTER SUBJECTS BS NURSING PROGRAM

S. No	Subjects	Credit Hours	Duration
1	NU-621 Fundamentals of Nursing-II	4 (2+1+1)	16 weeks
2	NU-622 Anatomy & Physiology – II	2 (2.5+0.5)	16 weeks
3	NU-623 Theoretical Basis of Nursing	2 (2+0)	16 weeks
4	NU-624 Applied Nutrition	2 (2+0)	16 weeks
5	NU-625 Quantitative Reasoning–I	3 (3+0)	16 weeks
6	NU-626 Islamic Studies /Ethics	2 (2+0)	16 weeks

NU-621 Fundamentals of Nursing-II

Course Description

This course introduces learners to different concepts of nursing practice with emphasis on identifying the patient needs, developing communication skills and use of the nursing process. Learners will gain knowledge related to theoretical concepts, values, and norms of the profession, while learning skills for providing basic nursing care to patients in hospital settings. Gordon's Functional Health Pattern (FHPs) will be used to assess patient needs.

Learning Objectives

Cognitive Domain

By the end of this course, students should be able to;

1. Plan care for the patient by utilizing functional health patterns.
2. Examine values conflict and resolution in nursing care situations.
3. Apply the nursing process and critical thinking skills to deliver safe nursing care to clients/ individuals with alterations in following physiological health patterns.
4. Apply the knowledge derived from Humanities, Natural, and Behavioral Sciences, while providing nursing care to clients.
5. Identifies professional, ethical, and legal principles relevant to the practice of a registered nurse.

Psychomotor Domain

By the end of this course, students should be able to;

1. Develop NCP (Nursing Care Plans) based on priority patients' problem by following all its steps.
2. Document the nursing notes on patient's chart.
3. Provide mouth care to an unconscious patient.
4. Administer clean enema and suppositories to the patient.
5. Take vital signs of the patient.
6. Demonstrate pain assessment of an adult patient admitted in hospital.
7. Develop a balanced diet plan for a patient with proteins deficiency.
8. Assist in Urinary Catheterization.
9. Perform to collect and test the urine sample through dipstick.
10. Demonstrate strategies to promote and ensure safety measures during sleep.
11. Follow correct steps and professional norm while performing IV Canulation.
12. Demonstrate interviews to collect patient data related to sexual functioning and disorders
13. Demonstrate therapeutic communication techniques with patient and their families during death and dying processes.
14. Utilize different comfort strategies and devices in patients' care.
15. Demonstrate stress management skills to reduce patient stress and anxiety.
16. Administer parenteral (I/V,I/M,I/D,S/C) medications to hospitalized patients

By the end of this course, students should be able to;

1. Follow the specified and professional norms of IL, SGD and LGD in the entire phases of teaching and learning process.
2. Demonstrated professional attributes and use the socially acceptable language during academic and clinical interaction with teachers, colleagues and patients.
3. Demonstrate ethically competent decisions when confronted with ethical, social or moral concerns related to professional or personal life in classroom, labs and clinical settings.

TABLE OF SPECIFICATIONS

TOS: NU-621: Fundamentals of Nursing 4 (2+1+1)

S.No	Weeks	Contents	Learning Outcome	Domain C	Domain P	Domain A	MIT's	Time/Hours	Assessment	No of Items
Topic: Nursing Process										
1	Week-1	Nursing Process	Define nursing process.	C2	--	--	Interactive Lecture/SGD	2	MCQs	5
2		Purposes/Components	Describe the purposes and components of nursing process.	C2	--	--				
3		Requirements	Discuss the requirements for effective use of the nursing process.	C2	--	--				
4		Functional Health	Apply the functional health approach to the nursing process.	C3	--	--				
5		Assessment Phase	Describe the assessment phase of the nursing process.	C2	--	--				
6		Assessment Skills	Discuss the purpose and skills required of assessment in nursing practice.	C2	--	--				
7		Major Activities	Differentiate the three major activities involved in nursing assessment.	C4	--	--				
8		Data Collection Process	Describe the process of data collection.	C2	--	--				
9		Nursing Diagnosis	Define diagnosis in relation to the nursing process.	C1	--	--				
10		Components	Explain the components of a nursing diagnosis.	C2	--	--				
11		Nursing/Medical Diagnosis	Differentiate between a nursing diagnosis and medical diagnosis.	C4	--	--				
12		Clinical Skills	Relate the clinical skills needed to make nursing diagnoses.	C4	--	--				
13		Diagnosis Formulation	Formulate nursing diagnoses according to NANDA list.	C5	--	--				
14		Outcome and Planning	Define outcome identification and planning.	C1	--	--				
15		Purposes of Planning	Explain the purposes of outcome identification and planning.	C2	--	--				
16		NCP Components	Describe the components of the nursing plan of care.	C2	--	--				
17		Practical	Develop NCP based on priority patients' problem by following all its steps.	--	P4	--	Demo	6	OSPE	5
18			Follow the ethical standards while developing the nursing care plan.	--	--	A5			Formative	
19	Week-2	Implementation/Evaluation	Define implementation and evaluation.	C2	--	--	Interactive Lecture/SGD	2	MCQs	5
20		Purposes of Evaluation	Discuss the purposes of implementation and evaluation.	C2	--	--				
21		Clinical Skills of Evaluation	Describe clinical skills needed to implement the nursing plan of care.	C2	--	--				
22		Nurses Activities	Describe activities the nurse carries out in evaluation of nursing process.	C2	--	--				
23		Client Record Purposes	Describe the purposes of the client record.	C2	--	--				
24		Documentation Guidelines	Discuss the principles and guidelines of charting or documentation.	C2	--	--				
25		Confidentiality	Explain the importance of confidentiality in the documenting and reporting.	C2	--	--				
26		Critical Thinking Skills	Discuss critical thinking skills with its importance and characteristics in nursing.	C2	--	--				
27		Factors affecting Thinking	Classify the major factors that affect thinking.	C4	--	--				
28		Critical Thinking Strategies	Assess ways to develop critical thinking skills especially as applied to nursing.	C5	--	--				
29		Personal Goals	Plan personal goals for developing critical thinking skills.	C4	--	--				
30		Practical	Document the nursing notes on patient's chart.	--	P4	--	Demo	6	OSPE	5
31			Follow correct and professional pattern of documenting patient findings	--	--	A5	Role Play		Formative	

Topic: Concept of Value and Belief										
32	Week-3	Value and Belief Pattern	Define value and belief pattern.	C1	--	--	Interactive Lecture/SGD	2	MCQs	5
33		Values and Behaviors	Explain how behaviors related to values.	C2	--	--				
34		Sources of Nursing Values	Identify sources of professional nursing values.	C1	--	--				
35		Cultural Perspectives	Apply cultural and developmental perspective when identifying values.	C3	--	--				
36		Conflict and Resolution	Examine values conflict and resolution in nursing care situations.	C5	--	--				
37		Practical	Provide Sitz bath and mouth care to an unconscious patient.	--	P4	--	Demo	6	OSPE	5
38			Follow professional norms in Sitz bath or mouth care of an unconscious client	--	--	A5	Role Play		Formative	
Topic: Self Concept and Self Perception										
39	Week-4	Self-Perception/Concept	Define self-perception and self-concept pattern.	C1	--	--	Interactive Lecture/SGD	2	MCQs	5
40		Functions of Self Concept	Describe the functions of self and self-concept.	C2	--	--				
41		Self-Concept in Life Span	Discuss how self-concept develops throughout the life span.	C2	--	--				
42		Factors of Self Concept	Discuss factors that can affect self-concept.	C2	--	--				
43		Altered Self-concept	Identify possible manifestation of altered self-concept.	C1	--	--				
44		Nursing Process	Apply nursing process for a person with an altered self-concept.	C3	--	--				
45		Practical	Demonstrate strategies to promote patient positive self-concept or body image	--	P4	--	Demo	6	OSPE	5
46			Maintain ethical norms in promoting patient positive self-concept/body image	--	--	A5	Role Play		Formative	
Topic: Concept and Management of Pain										
47	Week-5	Pain and Its Types	Describe pain and its different types.	C2	--	--	Interactive Lecture/SGD	2	MCQs	5
48		Physiological Changes	Discuss the process and physiological changes of pain.	C2	--	--				
49		Pain Theories	Describe the different theories of pain theory.	C2	--	--				
50		Practical	Take vital signs of the patient.	--	P4	--	Demo	6	OSPE	5
51			Provide morally acceptable care during any change in client vital signs.	--	--	A5	Role Play		Formative	
52	Week-6	Non-Pharma Management	Discuss the non-pharmacologic interventions of pain management.	C2	--	--	Interactive Lecture/SGD	2	MCQs	5
53		Pharmacological Management	Evaluate the pharmacological interventions for pain management.	C6	--	--				
54		Nursing Process	Apply nursing process for pain management.	C3	--	--				
55		Practical	Demonstrate pain assessment of an adult patient admitted in hospital.	--	P4	--	Demo	6	OSPE	5
56			Maintain the professional standards during pain assessment of the patient.	--	--	A5	Role Play		Formative	
Topic: Concept of Nutrition and Dietary Pattern										
57	Week-7	Nutrition and Metabolism	Define nutrition and metabolic pattern.	C1	--	--	Interactive Lecture/SGD	2	MCQs	5
58		Essential Nutrients	Review essential nutrients and examples of good dietary sources for each.	C2	--	--				
59		Nutrients Digestion Process	Review digestion, absorption, metabolism of carbohydrates, fats, & proteins.	C2	--	--				
60		Nutritional considerations	Discuss nutritional considerations across the life span.	C2	--	--				
61		Factors affecting Nutrition	Enlist factors that can affect dietary pattern.	C1	--	--				
62		Altered Nutrition Signs	Describe manifestations of altered nutrition.	C2	--	--				
63		Nursing Interventions	Apply nursing process to client with altered nutrition to promote nutrition.	C3	--	--				
64			Develop a balanced diet plan for a patient with proteins deficiency.	--	P4	--	Demo		OSPE	

65		Practical	Follow ethical norms to develop diet plan for patient with protein deficiency.	--	--	A5	Role Play	6	Formative	5
Topic: Elimination Pattern										
66	Week-8	Elimination Pattern	Define elimination pattern.	C1	--	--	Interactive Lecture/SGD	2	MCQs	5
67		Fecal Elimination Problems	Discuss common problems of fecal elimination.	C2	--	--				
68		Nursing Interventions	Identify nursing interventions for common problems of fecal elimination.	C1	--	--				
69		Practical	Assist in Urinary Catheterization.	--	P4		Demo	6	OSPE	5
70			Follow the standard guidelines during the process of catheterization.	--	--	A5	Role Play		Formative	
71	Week-9	Urinary Problems	Discuss common problems of Urinary Elimination.	C2	--	--	Interactive Lecture/SGD	2	MCQs	
72		Nursing Interventions	Recommend nursing interventions for common urinary problems.	C5	--	--				
73		Factors affecting Urination	Describe factors that can alter urinary function.	C2	--	--				
74		Nursing Care	Apply nursing process for a patient with altered elimination pattern.	C3	--	--				
75		Practical	Perform to collect and test the urine sample through dipstick.	--	P3	--	Demo	6	OSPE	5
76			Provide proper instruction to the patient while collecting the urine sample.	--	--	A5	Role Play		Formative	
Topic: Concept of Sleep										
77	Week-10	Rest and Sleep	Define rest and sleep pattern.	C1	--	--	Interactive Lecture/SGD	2	MCQs	5
78		Relater Terms Definitions	Define terms related to rest and sleep.	C1	--	--				
79		Characteristics	Compare the characteristics of sleep and rest.	C4	--	--				
80		Sleep Types	Discuss the characteristics of two kinds of sleep.	C2	--	--				
81		Functions of Sleep	Enumerate the functions of sleep.	C1	--	--				
82		Factors affecting Sleep	Discuss factors affecting sleep.	C2	--	--				
83		Common Sleep Disorders	Identify common sleep disorders.	C1	--	--				
84		Sleep Promotion Condition	Evaluate conditions necessary to promote sleep.	C5	--	--				
85		Nursing Process	Discuss nursing process for a patient to promote sleep.	C2	--	--				
86		Practical	Demonstrate strategies to promote and ensure safety measures during sleep.	--	P4	--	Demo	6	OSPE	5
87			Take proper care of patients needs during rest and sleep.	--	--	A5	Role Play		Formative	
Topic: Human Reponses to Illness										
88	Week-11	Illness/Sickness/Disease	Define the terms illness, sickness and disease.	C1	--	--	Interactive Lecture/SGD	2	MCQs	5
89		Illness and Diseases Types	Discuss types of illnesses and diseases.	C2	--	--				
90		Human Responses	Explain the human behaviors and responses to illness and hospitalization.	C2	--	--				
91		Acute/ Chronic Illnesses	Identify the examples of acute and chronic illnesses.	C1	--	--				
92		Nursing Care	Apply nursing process related to various illnesses and diseases.	C3	--	--				
93		Practical	Perform IV Canulation on dummy.	--	P4	--	Demo	6	OSPE	5
94			Follow correct steps and professional norm while performing IV Canulation.	--	--	A5	Role Play		Formative	
Topic: Concept of Sexuality										
95	Week-12	Reproductive System	Review anatomy and physiology of the male and female reproductive system	C2	--	--				
96		Normal Sexual Pattern	Describe normal sexual pattern.	C2	--	--				
97		Sexuality and Life Cycle	Relate sexuality to all stages of life cycle.	C4	--	--				

98		Factors Affecting Sexuality	Identify factors that effects sexual functioning.	C1	--	--	Interactive Lecture/SGD	2	MCQs	5
99		Common Risks/Alteration	Describe common risks and alteration in sexuality.	C2	--	--				
100		Nursing Process	Apply the nursing process in relation to sexual functioning and disorders.	C3	--	--				
101		Practical	Demonstrate interview to collect sexual functioning and disorders related data	--	P2	--	Demo	6	OSPE	5
102			Follow the ethical norms while collecting sexuality related data of the patient	--	--	A5	Role Play		Formative	
Topic: Concept of Loss & Grieving and Death and Dying										
103	Week-13	Physiological signs of Death	Assess the physiological signs of death.	C5	--	--	Interactive Lecture/SGD	2	MCQs	5
104		Beliefs and Attitude	Evaluate beliefs and attitude about death in relation to age.	C5	--	--				
105		Dying Patient Needs	Discuss ways of helping dying patient to physical, spiritual, emotional needs	C2	--	--				
106		Body Care after Death	Discuss care of the body after death.	C2	--	--				
107		Legal Implications	Discuss the legal implications of death.	C2	--	--				
108		Nurses Role	Describe how a nurse meets a dying patient's needs of comfort.	C2	--	--				
109		Caring Factors	Discuss important factors in caring for the body after death.	C2	--	--				
110		Practical	Demonstrate therapeutic communication techniques with patient and their families during death and dying processes.	--	P3	--	Demo	6	OSPE	5
111			Listen patient & family concerns attentively and respect their needs properly.	--	--	A5	Role Play		Formative	
112	Week-14	Body Changes after Death	List changes that occur in the body after death.	C1	--	--	Interactive Lecture/SGD	2	MCQs	5
113		Loss and Grieving	Define terms related to loss and grieving.	C1	--	--				
114		Kubler-Ross' Theory	Discuss Kubler-Ross' theory to assess grieving behaviors.	C2	--	--				
115		Grief Manifestations	Identify common manifestations of grief.	C1	--	--				
116		Effects of Multiple Losses	Discuss the effects of multiple losses on the grief process.	C2	--	--				
117		Nursing Process	Apply the nursing process to grieving clients.	C3	--	--				
118		Practical	Utilize different comfort strategies and devices in patients' care.	--	P4	--	Demo	6	OSPE	5
119			Maintain ethical norms when caring and comforting patient with devices.	--	--	A5	Role Play		Formative	
Topic: Concepts of Stress & Coping										
120	Week-15	Coping, Stress, Tolerance	Define coping stress tolerance pattern.	C1	--	--	Interactive Lecture/SGD	2	MCQs	5
121		Concepts of Stress	Differentiate the concepts of stress as a stimulus, response, and transaction.	C4	--	--				
122		Physiological/Psychological	Identify physiological and psychological manifestations of stress.	C1	--	--				
123		Factors affecting Coping	Discuss Factors affecting coping pattern during hospitalization.	C2	--	--				
124		Types of Coping	Describe various types of coping pattern.	C2	--	--				
125		Nursing Process	Apply the nursing process related to coping stress pattern.	C3	--	--				
126		Practical	Demonstrate stress management skills to reduce patient stress and anxiety.	--	P4	--	Demo	6	OSPE	5
127			Follow professional standards in educating patient for stress management.	--	--	A5	Role Play		Formative	
Topic: Medication (Oral & Parental)										
128		Medication Related Terms	Define medication, drug, prescription orders and other related terms.	C1	--	--				
129		Routes of Medications	Describe various routes of medication administration.	C2	--	--				
130		Oral and Parenteral Routes	Explain oral and parenteral routes (I/V, I/M, S/C, I/D of medication in detail.	C2	--	--				

131	Week-16	Timings and Formula	Learn timings and formula to calculate dosages of oral/parenteral medication	C1	--	--	Interactive Lecture/SGD	2	MCQs	5
132		Rights and Legal Aspects	Discuss the rights and legal aspects of medication administration.	C2	--	--				
133		Factors affect Medications	Explain the factors affecting the medication action and administration.	C2	--	--				
134		Effects of Medication	Discuss different effects of medications.	C2	--	--				
135		Practical	Administer parenteral (I/V,I/M,I/D,S/C) medications to hospitalized patients.	--	P2	--	Demo	6	OSPE	5
136			Explain purpose & procedure of medication administration to client properly.	--	--	A5	Role Play		Formative	

Recommended Books/References

1. Craven, R. F., & Hirnle, C. J. (2000). Fundamentals of Nursing: Human Health and Function. (3rd ed.). New York Lippincott.
2. Erb, G. K., B. (2000). Fundamentals of Nursing: Concepts, Process and Practice (5th Ed.) Addison: Wesley.
3. Carpenito-Moyet, L. J. (2009). Nursing care plans & documentation: nursing diagnoses and collaborative problems. Lippincott Williams & Wilkins.
4. Potter, P. A & Perry, A. G. (2003). Basic Nursing: Essentials for Practice (5th Ed.) St. Louis: Mosby
5. Smeltzer, S. C., & Bare, B. G. (2000). Textbook of medical-surgical nursing (9th Ed.). Philadelphia: Lippincott.
6. Delaune, S. C., & Ladner, P. K. (2002). Fundamentals of Nursing: Standards and Practice. (2nd Ed.) Canada: Delmar
7. Sole, M. L., Lamborn, M. L., & Hartshorn, J. C. (2001). Introduction to critical care nursing (3rd Ed). New York: Saunders.
8. Tradewell, G. M., & Trolti, J. C. (1998). Adult health nursing. Philadelphia: Mosby.
9. Wraa, C. (1998). Emergency nursing: Principles and practice London: Mosby.

NU-622 Anatomy & Physiology–II 3 (2+1)

Course Description

This course is a continuation of Anatomy & Physiology I, introduces learners to the structures and functions of the human body. Anatomy and Physiology will provide a better understanding and integration of theoretical knowledge to clinical practices in nursing care situations.

Learning Objectives

Cognitive Domain

By the end of this course, students should be able to;

1. Describe the structures and functions of various systems of the human body.
2. Discuss the role of homeostasis in maintaining normal body functioning.
3. Relate the basic anatomy & physiology concepts to the nursing care of clients.

Psychomotor Domain

By the end of this course, students should be able to;

1. Demonstrate the ability to label the anatomical landmarks of organs of different systems.
2. Identify the organs or parts of various body systems.
3. Demonstrate ability to located organs and parts of various body systems.
4. Demonstrate to describe various organ s and parts of body systems.

Affective Domain

By the end of this course, students should be able to;

1. Follow the specified and professional norms of IL, SGD and LGD in the entire phases of teaching and learning process.
2. Demonstrated professional attributes and use the socially acceptable language during academic interaction with teachers and colleagues.
3. Demonstrate ethically competent decisions when confronted with ethical, social or moral concerns related to professional or personal life in classroom settings.

TABLE OF SECIFICATIONS

TOS: NU-622: Anatomy & Physiology-II 3 (2+1)

S.No	Weeks	Contents	Learning Outcome	Domain C	Domain P	Domain A	MIT's	Time/Hours	Assessment	No of Items
Topic: Respiratory System										
1	Week-1	Respiration System	Describe respiratory system.	C2	--	--	Interactive Lecture/SGDs	2	MCQs	4
2		Process of Respiration	Describe the process of respiration and breathing.	C2	--	--				
3		Upper Respiratory Tract	Discuss upper respiratory tract structures including nose, pharynx, & larynx	C2	--	--				
4		Lower Respiratory Tract	Discuss lower respiratory tract structures (trachea, bronchial tree and lung)	C2	--	--				
5		Practical	Identify the various parts of upper respiratory tract in model or chart.	--	P4	--	Demo	3	OSPE	3
6			Handle upper respiratory tract model carefully while identifying its parts	--	--	A5			Formative	
7	Week-2	Pulmonary Ventilation	Discuss pulmonary ventilation.	C2	--	--	Interactive Lecture/SGDs	2	MCQs	4
8		Respiration	Differentiate external respiration and internal respiration.	C4	--	--				
9		Nervous Control	Discuss nervous control of respiration.	C2	--	--				
10		Volumes and Capacities	Explain the lung volumes & capacities.	C2	--	--				
11		Practical	Locate the parts of lungs in a human model.	--	P4	--	Demo	3	OSPE	3
12			Follow the professional norms to handle the lung model and charts.	--	--	A5	Role Play		Formative	
Topic: Urinary System										
13	Week-3	Urinary System	Describe the Urinary System.	C2	--	--	Interactive Lecture/SGDs	2	MCQs	3
14		Organs of Urinary System	List the organs of Urinary system.	C1	--	--				
15		Kidneys Anatomy	Discuss kidneys external and internal anatomy and physiology.	C2	--	--				
16		Practical	Identify the organs of urinary system in a human model or chart.	--	P4	--	Demo	3	OSPE	3
17			Ensure safe handling of urinary system model while identifying its parts.	--	--	A5	Role Play		Formative	
18	Week-4	Urine Formation	Describe the role of each component of nephron in terms of filtration, selective reabsorption and secretion involved in the formation of urine.	C2	--	--	Interactive Lecture/SGDs	2	MCQs	3
19		Water/Electrolyte Balance	Discuss the role of kidney in maintaining water and electrolyte balance.	C2	--	--				
20		Ureters/Bladder/Urethra	Discuss the structure and functions of ureters, urinary bladder and urethra.	C2	--	--				
21		Process of Micturation	Relate and explain the process of Micturation.	C4	--	--				
22		Practical	Identify landmarks and parts of the kidneys in a human model or chart.	--	P4	--	Demo	3	OSPE	3
23			Follow the professional norms to Identify landmarks and parts kidneys in model	--	--	A5	Role Play		Formative	
Topic: Nervous System										
24	Week-5	Nervous System	Describe Nervous system.	C2	--	--	Interactive Lecture/SGDs	2	MCQs	3
25		Organization	Discuss organization of Nervous system.	C2						
26		Structure and Function	Explain the structure and function of neuron and neuroglia.	C2	--	--				
27		Nerve and Its Types	Discuss the nerve and its different types.	C2	--	--				
28		Practical	Locate parts hind and mid brain in a human model.	--	P4	--	Demo	3	OSPE	3
29			Handle the brain model sagely and adroitly in the anatomy lab.	--	--	A5	Role Play		Formative	

30	Week-6	Meninges	Describe the three meninges covering the brain and spinal cord.	C2	--	--	Interactive Lecture/SGDs	2	MCQs	3
31		Brain Ventricles	Identify the ventricles of the brain.	C1	--	--				
32		Cerebrospinal Fluid (CSF)	Explain formation, circulation, reabsorption, functions of CSF.	C2	--	--				
33		Practical	Locate parts of fore brain in the brain in a lab model or chart.	--	P4	--	Demo	3	OSPE	3
34			Follow the lab guidelines properly to handle the brain models or charts.	--	--	A5	Role Play		Formative	
35	Week-7	Cerebrum	Discuss the functional areas of the cerebrum.	C1	--	--	Interactive Lecture/SGDs	2	MCQs	3
36		Brain Stem	Summarize the structure and function of brain stem including (mid brain, pons and medulla oblongata).	C2	--	--				
37		Practical	Label the structure of cerebrum in terms of lobes, sulci and gyrus.	--	P4	--	Demo	3	OSPE	3
38			Follow ethical norms while naming the structures of brain lobes, sulci and gyrus	--	--	A5	Role Play		Formative	
39	Week-8	Cerebellum	Discuss the structure and function of cerebellum.	C2	--	--	Interactive Lecture/SGDs	2	MCQs	3
40		Spinal Cord Structure	Discuss the general and gross sectional structure of the spinal cord.	C2	--	--				
41		Reflex Arc	Describe reflex arc and reflex action.	C2						
42		Spinal Nerves and Plexus	Explain the distribution of the spinal nerves and spinal plexus.	C2	--	--				
43		Practical	Label the structure of brain stem.	--	P4		Demo	3	OSPE	3
44			Follow the professional standards while naming the structures of brain.	--	--	A5	Role Play		Formative	
45	Week-9	Cranial Nerves	Discuss cranial nerves in terms of central and peripheral connection.	C2	--	--	Interactive Lecture/SGDs	2	MCQs	3
46		Functions	Interpret the various functions of the cranial nerves.	C3	--	--				
47		Autonomic Nervous System	Define autonomic nervous system	C1						
48			Discuss the sympathetic and Para sympathetic nervous system.	C2	--	--				
49		Sensory Nervous System	Discuss the sensory nervous system.	C2	--	--				
50		Practical	Name or label the cranial nerves.	--	P4	--	Demo	3	OSPE	3
51			Maintain professional integrity while naming or describing the cranial nerves	--	--	A5	Role Play		Formative	
Topic: Special Senses										
52	Week-10	Ear Structure	Describe the external, middle and internal structures of ear.	C2	--	--	Interactive Lecture/SGD	2	MCQs	3
53		Functions	Explain the functions of external, middle and internal ear.	C2	--	--				
54		Transmission	Discuss the transmission of sound through the ear.	C2	--	--				
55		Physiology of Hearing	Describe the physiology of hearing and Balance.	C2	--	--				
56		Practical	Identify and name the various parts of the ear in a lab model.	--	P4	--	Demo	3	OSPE	3
57			Follow instruction properly while handling ear model for labeling of its part.	--	--	A5	Role Play		Formative	
58	Week-11	Eye Structure	Discuss the eye structure related to vision.	C2	--	--	Interactive Lecture/SGD	2	MCQs	3
59		Accessory Eye Structures	Discuss the accessory eye structures related to vision.	C2	--	--				
60		Image Formation	Discuss image formation by relating refraction, accommodation and constriction of pupil.	C2	--	--				
61		Adaptation	Explain the process of dark adaptation and light adaptation.	C2	--	--				
62		Practical	Identify the various parts of eye in a human model or chart.	--	P4	--	Demo	3	OSPE	3
63			Properly use the eye model for identifying its various structures.	--	--	A5	Role Play		Formative	
Topic: Endocrine System										
64		Endocrine System	Describe endocrine system.	C2	--	--				

65	Week-12	Endocrine Glands	Identify Endocrine glands and Endocrine tissues present in the body.	C1	--	--	Interactive Lecture/SGD	2	MCQs	3
66		Hormones/Cells/Organ	Discuss types of Hormones, target cells, target organ.	C2	--	--				
67		Mechanism of Action	Explain Mechanism of Action of Hormone (protein and steroids).	C2	--	--				
68		Practical	Label different endocrine glands and its tissues on a human model		P4	--	Demo	3	OSPE	3
69			Follow professional norms while locating different structures in a model.	--	--	A5	Role Play		Formative	
70	Week-13	Location and Structure	Discuss the location and structure of pituitary gland.	C2	--	--	Interactive Lecture/SGD	2	MCQs	3
71		Hypothalamic Hormones	Discuss hypothalamic hormones role in regulation of pituitary secretions.	C2	--	--				
72		Function of Hormones	Explain function of hormones secreted by anterior/posterior pituitary gland	C2	--	--				
73		Practical	Locate structures/hormones of thyroid, parathyroid, pineal, adrenal & pancreas	--	P4	--	Demo	3	OSPE	3
74			Maintain professional standards while locating different structures in a model	--	--	A5	Role Play		Formative	
Topic: Reproductive System										
75	Week-14	Reproduction	Define Reproduction.	C1	--	--	Interactive Lecture/SGD	2	MCQs	3
76		Reproductive System	Describe the Reproductive System.	C2	--	--				
77		Functions	List the function of male and female reproductive system.	C1	--	--				
78		Organs	Categorize female reproductive organs into essential and accessory organs	C2	--	--				
79		Practical	Label the structures of male reproductive system through a model.	--	P4	--	Demo	3	OSPE	3
80			Follow the professional norms while locating or describing reproductive organs.	--	--	A5	Role Play		Formative	
81	Week-15	External Genitalia (VULVA)	Discuss the location and structure of Female External Genitalia (VULVA)	C2	--	--	Interactive Lecture/SGD	2	MCQs	3
82		Internal Genitalia	Describe the location, Structure & function of Female Internal Genitalia	C2	--	--				
83		Reproductive Cycles	Discuss the Female Reproductive Cycles (ovarian and menstrual cycles)	C2	--	--				
84		Practical	Label stages of female reproductive cycles on model.	--	P4	--	Demo	3	OSPE	3
85			Maintain the professional standards describing reproductive cycle model.	--	--	A5	Role Play		Formative	
86	Week-16	Male Reproductive Organs	Categorize male reproductive organs into essential and accessary organs	C1	--	--	Interactive Lecture/SGD	2	MCQs	3
87		Structure and Function	Discuss the structure and function of testis and accessory organs	C2	--	--				
88		Practical	Label structures involved in male/female reproductive system with a model	--	P4	--	Demo	3	OSPE	3
89			Follow professional norms while locating and describing reproductive organs.	--	--	A5	Role Play		Formative	

Recommended Books/References

1. Guyton, A. C. (2001). Medical Physiology (10th Ed) Washington: Kirokawa.
2. Ross & Wilson. (2000) Anatomy & Physiology in Health & Illness. Edinburgh: Churchill 8th Edition.
3. Tortora, G. J. (2000). Principles of Human Anatomy and Physiology (3rd Ed). New York: Happer & Row.

NU-623: Theoretical Basis of Nursing 2 (2+0)

Course Description

This course is designed to provide a professional basis for nursing practice. The objectives of theoretical basis of nursing are discussed in terms of their significance to the practice of professional nursing. An overview of current theories of nursing is also presented. The aim is to enable learner's nurses to examine current conceptual models in nursing and the relationship of empirical data and existing theories to the nursing practice. .

Learning Objectives

Cognitive Domain

By the end of this course, students should be able to;

1. Discuss the structure and function of nursing theory, its need, and the purpose of development.
2. Describe the historical context of nursing theoretical development.
3. Discuss the systematic development, description, and evaluation of theory.
4. Explain the relationship among theory, research, and practice.
5. Apply & examine the application of selected conceptual models and theories in nursing practice.

Affective Domain

By the end of this course, students should be able to;

4. Follow the specified and professional norms of IL, SGD and LGD in the entire phases of teaching and learning process.
5. Demonstrated professional attributes and use socially acceptable language during academic interaction with teachers, colleagues, patients and families etc.
6. Demonstrate ethically competent decisions when confronted with ethical, social or moral concerns related to professional or personal life in all settings.

TABLE OF SECIFICATIONS

TOS: NU-623-Theoretical Basis of Nursing 2 (2+0)

S.No	Weeks	Contents	Learning Outcome	Domain			MIT's	Time/Hours	Assessment	No of Items
				C	P	A				
Topic: An introduction to Nursing Theory										
1	Week-1	Structure and Function	Discuss the structure and function of nursing theory.	C2	--	--	Interactive Lecture/SGD	2	MCQs	4
2		Need and Purpose	Relate the need and the purpose of development of nursing theories.	C4	--	--				
3		Historical Context	Describe the historical context of nursing theoretical development.	C2	--	--				
4		Concepts/Components	Explain the relevant concepts and components of Nursing theory.	C2	--	--				
Topic: Relationship among Theory and Research and Practice of Nursing										
5	Week-2	Level of Theories	Discuss different level of theories.	C2	--	--	Interactive Lecture/SGD	2	MCQs	3
6		Systematic Development	Discuss systematic development, description and evaluation of theory.	C2	--	--				
7		Relationship	Explain the relationship among theory, research, and practice.	C2	--	--				
8		Theoretical Evolution	Discuss Nursing Theoretical evolution.	C2	--	--				
Topic: Categories of Selected Nursing Theories (Need /Problem-Oriented Theories)										
9	Week-3	Environmental Theory	Discuss environmental theory.	C2	--	--	Interactive Lecture/SGD	2	MCQs	3
10		Assumptions	Explain the assumptions of environmental theory.	C2	--	--				
11		Concepts/Metaparadigm	Discuss the major concepts and metaparadigm of Nightingale's Theory	C2	--	--				
12		Application in Nursing	Discuss the applications of Nightingale's Theory.	C2	--	--				
Topic: Need /Problem-Oriented Theories										
13	Week-4	Abdellah Theory	Discuss Faye Glenn Abdellah theory.	C2	--	--	Interactive Lecture/SGD	2	MCQs	3
14		Assumptions	Enlist the assumptions of Faye Glenn Abdellah theory.	C1	--	--				
15		Concepts/Metaparadigm	Discuss major concepts/metaparadigm of Faye Glenn Abdellah theory.	C2						
16		21 Nursing Problems	Explain 21 nursing problems identified in Faye Glenn Abdellah theory	C2	--	--				
17		Application in Nursing	Discuss the applications of Faye Glenn Abdellah theory in nursing	C2	--	--				
Topic: Need /Problem-Oriented Theories										
18	Week-5	Theoretical Background	Discuss the theoretical background of Virginia Henderson's theory	C2	--	--	Interactive Lecture/SGD	2	MCQs	3
19		Assumptions	Identify the assumptions background of Virginia Henderson's theory.	C1	--	--				
20		14 Basics Needs	Discuss Virginia Handerson's 14 basics needs of the patient.	C2	--	--				
21		Application in Nursing	Apply nursing process on Virginia Henderson's theory.	C3	--	--				
22		Comparison to Maslow's	Compare V. Henderson's theory with Maslow's need hierarchy theory.	C4	--	--				
23		Characteristics	Identify the characteristics of Virginia Henderson's theory.	C1	--	--				
24		Strengths/Weaknesses	Identify strengths and weaknesses of Virginia Henderson's theory.	C1	--	--				
Topic: Need /Problem-Oriented Theories										
25		Assumptions	Discuss assumptions of Orem nursing theory.	C2	--	--				

26	Week-6	Orem Theory	Explain Dorothea Orem theory.	C2	--	--	Interactive Lecture/SGD	2	MCQs	3
27		Major Domain	Discuss major domains of Orem nursing theory.	C2	--	--				
28		Strengths/Weaknesses	Describe the Strengths and Weakness of Orem theory.	C2	--	--				
29		Application in Nursing	Apply Orem theory in nursing practice.	C3	--	--				
Topic: Need /Problem-Oriented Theories										
30	Week-7	Lydia E Hall Theory	Describe the Lydia E Hall theory briefly.	C2	--	--	Interactive Lecture/SGD	2	MCQs	4
31		Assumptions	Discuss assumptions, concepts and metaparadigms of L.E Hall theory.	C2	--	--				
32		Metaparadigms	Discuss the metaparadigms of Lydia E Hall theory.	C2	--	--				
33		Care, Core and Cure	Explain care, core and cure in Lydia E Hall theory.	C2	--	--				
34		Application in Nursing	Explain the application of Lydia E Hall theory in nursing practice.	C2	--	--				
Topic: Need /Problem-Oriented Theories										
35	Week-8	Jean Watson	Discuss a brief overview to Jean Watson work.	C2	--	--	Interactive Lecture/SGD	2	MCQs	3
36		Watson Theory Element	Explain the Elements of Watson's theory.	C2	--	--				
37		Nursing Process Relation	Relate Watson's theory and nursing process.	C4	--	--				
38		Strengths & Limitations	Explain the strengths and limitations of jean Watson theory.	C2	--	--				
39		Application in Nursing	Relate the application of Watson theory in nursing.	C4	--	--				
Topic: Categories of Selected Nursing Theories (Interaction Oriented Theory)										
44	Week-9	Interpersonal Theory	Briefly discuss Interpersonal Relation Theory.	C2	--	--	Interactive Lecture/SGD	2	MCQs	3
41		Assumptions	Explain the assumptions of Interpersonal Relation Theory.	C2	--	--				
42		Concepts/Metaparadigm	Discuss major concepts and Metaparadigm of Peplau's Theory.	C2	--	--				
43		Application in Nursing	Discuss applications of Interpersonal Relation Theory in Nursing care.	C2	--	--				
44		Limitations	Discuss the limitations of Interpersonal Relation Theory.	C2	--	--				
45		Orlando Theory	Discuss the Ida Jean Orlando theory and its major concepts.	C2	--	--				
46		Application in Nursing	Relate the application of Orlando theory in nursing practice.	C4	--	--				
Topic: Interaction Oriented Theory										
47	Week-10	Ernestine Wiedenbach	Describe the biography and work of Ernestine Wiedenbach	C2	--	--	Interactive Lecture/SGD	2	MCQs	3
48		Theory and Concepts	Discuss the Ernestine Wiedenbach theory and its important concepts.	C2	--	--				
49		Application in Nursing	Relate the application of Ernestine Wiedenbach theory in nursing.	C4	--	--				
50		Imogene M. King	Describe the biography and work of Imogene M. King	C2	--	--				
51		Imogene King Theory	Discuss the Imogene M. King theory and its important concepts	C2	--	--				
52		Application in Nursing	Relate the application of Imogene M. King theory in nursing practice.	C4	--	--				
Topic: Interaction Oriented Theory										
53	Week-11	Humanistic Nursing Theory	Discuss Paterson Zderad Humanistic Nursing Theory and its concepts	C2	--	--	Interactive Lecture/SGD	2	MCQs	3
54		Clinical Relevance	Discuss the clinical relevance of humanistic nursing theory in nursing	C2	--	--				
55		Modeling/Role-Modeling	Discuss Erickson, Tomlin &Swain theory of Modeling and Role-Modeling	C2	--	--				
56		Application in Nursing	Discuss application of Modeling and Role-Modeling theory in nursing.	C2	--	--				
57		Nursing as Caring	Discuss theory of Nursing as Caring by Anne Boykin and S.Schoenhofer.	C2	--	--				
58		Theory Application	Explain The application of theory of Nursing as Caring.	C2	--	--				

Topic: Categories of Selected Nursing Theories (System Oriented Theory)										
59	Week-12	Dorothy E Johnson Work	Describe the theoretical work of Dorothy E Johnson concisely.	C2	--	--	Interactive Lecture/SGD	2	MCQs	3
60		Behavioral System	Discuss the Johnson Behavioral System Model and its components.	C2	--	--				
61		Key Aspects of BSM	Explain the key aspects Behavioral System Model	C2	--	--				
62		Relevance/Application	Discuss the relevance and application of Behavioral System Model.	C2	--	--				
63		Strengths & Limitations	Explain the strengths and limitations of Behavioral System Model.	C2	--	--				
Topic: System Oriented Theory										
64	Week-13	Callista Roy biography	Define biographical sketch of Callista Roy	C1	--	--	Interactive Lecture/SGD	2	MCQs	3
65		Roy's Adaptation Model	Describe Roy's Adaptation Model and its relevant concepts	C2	--	--				
66		Philosophy of RAM	Summarize the philosophical underpinnings and assumptions of RAM	C6	--	--				
67		Propositions/Metaparadigm	Discuss the propositions and metaparadigm of RAM	C2	--	--				
68		Strength & Weaknesses	Compare strength & weaknesses of RAM.	C4	--	--				
69		Application	Relate application of Roy's Adaptation Model in nursing	C4	--	--				
Topic: System Oriented Theory										
70	Week-14	Neuman Systems Model	Discuss the Neuman Systems Model.	C2	--	--	Interactive Lecture/SGD	2	MCQs	3
71		Assumptions/Core Concept	Understand major assumptions/core concepts of the theory.	C2	--	--				
72		Metaparadigms	Explain metaparadigm of the Neuman Systems Model.	C2	--	--				
73		Importance	Relate the importance of Neuman Systems Model to nursing practice	C4	--	--				
74		Transcultural Theory	Discuss Madeleine M Leininger Transcultural Nursing Theory.	C2	--	--				
75		Concepts/Metaparadigms	Explain concepts and metaparadigms of Transcultural Nursing Theory	C2	--	--				
76		Application in Nursing	Relate the importance of Transcultural Nursing Theory to nursing.	C4	--	--				
Topic: Categories of Selected Nursing Theories (Energy Filed Theories)										
77	Week-15	Unitary Human Beings	Understand the Martha E Rogers Science of Unitary Human Beings	C2	--	--	Interactive Lecture/SGD	2	MCQs	3
78		Rogers's Theory	Explain assumptions, metaparadigm, and principles of Rogers's theory.	C2	--	--				
79		Application in Nursing	Relate the application of Rogers's theory in nursing practice.	C4	--	--				
80		Human Becoming Theory	Discuss Human Becoming Theory of Nursing by Rosemarie Rizzo Parse	C2	--	--				
81		Application in Nursing	Discuss the importance and application of Human Becoming Theory	C2	--	--				
Topic: Energy Filed Theories										
82	Week-16	Margaret Newman Theory	Understand the Margaret Newman theory and its concepts.	C2	--	--	Interactive Lecture/SGD	2	MCQs	3
83		Relevance in Nursing	Explain relevance of Margaret Newman theory to nursing practice.	C2	--	--				
84		Patricia Benner Theory	Discuss Patricia Benner theory briefly with its five stages.	C2	--	--				
85		Scope in Nursing	Relate Patricia Banner theory within the scope of nursing practice.	C4	--	--				

Recommended Books/References

1. George, J. (2002). Nursing theories the base for professional nursing practice. Upper Saddle River, NJ: Prentice Hall.
2. Orem, D. (2002). Nursing: Concepts of practice (6th Ed.). St. Louis, MO: Mosby.
3. Reed, P., Shearer, N. & Nicoli, L.H. (2004). Perspectives on Nursing Theory, (4th Edition). Philadelphia: Lippincott

NU-624-Applied Nutrition 2 (2+0)

Course Description

This course is intended to furnish the learners in application of knowledge of nutrition in the prevention & treatment of diet related diseases, both in the community and hospital settings. It further enhances the learners' understanding in managing nutritional needs of patients with chronic and long term diseases.

Learning Objectives

Cognitive Domain

By the end of this course, students should be able to;

1. Describe the role of Diet for the prevention & management of diseases.
2. Apply the knowledge of nutrition in the management of nutritional needs of patients with chronic and long-term diseases.
3. Plan a healthy balanced diet based on available resources and nutritional needs for the health, growth of the family members of different ages.

Psychomotor Domain

By the end of this course, students should be able to;

1. Counsel the patients for diet specific to the diseases.
2. Demonstrate the role of nurse in patient education regarding nutritional needs.
3. Develop diet plans specific to patient needs.

Affective Domain

By the end of this course, students should be able to;

1. Follow the specified and professional norms of IL, SGD and LGD in the entire phases of teaching and learning process.
2. Demonstrated professional attributes and use the socially acceptable language during interaction with teachers, colleagues, patients, and families etc.
3. Demonstrate ethically competent decisions when confronted with ethical, social or moral concerns related to professional or personal life in all settings.

Recommended Books/References

1. Koh, E. T., & Owen, W. L. (2000). Introduction to nutrition and health research. Springer Science & Business Media.
2. Calder, P. C. (Ed.). (2002). Nutrition and immune function (Vol. 1). CABI.
3. Mahan, L. K. (2004). Krause's food, nutrition, & diet therapy (Vol. 11). S. Escott-Stump (Ed.). Philadelphia: Saunders.
4. Peckenpaugh, N. J. (2013). Nutrition Essentials and Diet Therapy-E-Book. Elsevier Health Sciences.
5. Marotz, L. R. (2014). Health, safety, and nutrition for the young child. Cengage Learning.
6. Barasi, M. (2003). Human nutrition: a health perspective. CRC press.
7. Ross, A. C., Caballero, B., Cousins, R. J., & Tucker, K. L. (2020). Modern nutrition in health and disease. Jones & Bartlett Learning.
8. Mela, D. (Ed.). (2005). Food, diet and obesity. Elsevier.
9. Boushey, C. J., Coulston, A. M., Rock, C. L., & Monsen, E. (Eds.). (2001). Nutrition in the
10. Prevention and Treatment of Disease. Elsevier.
11. Carr, T., & Descheemaeker, K. (Eds.). (2008). Nutrition and health. John Wiley & Sons

TABLE OF SECIFICATIONS
TOS: NU-624: Applied Nutrition 2 (2+0)

S.No	Weeks	Contents	Learning Outcome	Domain C	Domain P	Domain A	MIT's	Time/Hours	Assessment	No of Items
Topic: An introduction to Nutrition										
1	Week-1	Nutrition and Importance	Discuss nutrition and its importance in different diseases.	C2	--	--	Interactive Lecture/SGDs	2	MCQs	4
2		Nutrients Types/Sources	Explain the types and sources of nutrients.	C2	--	--				
3		Factors	Discuss factors affecting nutritional requirements.	C2	--	--				
4		Role of Healthy Diet	Relate the role of healthy and balanced diets in different ages.	C4	--	--				
Topic: Maternal Nutrition										
5	Week-2	Maternal nutrition	Define the basic concepts of maternal nutrition.	C1	--	--	Interactive Lecture/SGDs	2	MCQs	3
6		Nutritional need	Discuss the nutritional need in pregnancy and lactation.	C2	--	--				
7		Importance	Relate the importance the pre-pregnancy diet.	C4	--	--				
8		Pregnancy	Evaluate the pregnancy during adolescence.	C5	--	--				
9		Risk factors	Discuss the nutritional risk factors during pregnancy.	C2	--	--				
10		Concerns during Pregnancy	Identify concerns during pregnancy (weight gain, feeding twins, DM)	C1	--	--				
11		Iron deficiency	Relate the prevalence of Iron deficiency anemia in Pakistani women.	C4	--	--				
Topic: Nutritional Consideration in Infancy and Preschool Years										
12	Week-3	Nutrition for children	Discuss importance of nutrition during infancy and preschool ages.	C2	--	--	Interactive Lecture/SGDs	2	MCQs	3
13		Feeding Options	Identify best feeding options for infants in different conditions in Pakistan.	C1	--	--				
14		Nutritional Disorders	Enlist nutritional disorders among children in infancy and preschool years.	C1	--	--				
15	Week-4	Risk Factors/Prevention	Discuss nutritional risk factors and strategies to prevent them in infancy	C2	--	--	Interactive Lecture/SGDs	2	MCQs	3
16		Weaning	Explain weaning, prelacteal feeds, and food introduce with quantity and type in infancy.	C2	--	--				
17		Counseling	Discuss how to counsel the mothers regarding nutritional care of their children in infancy and preschool ages.	C2						
Topic: Weight Management										
18	Week-5	Weight Management	Explain the concept of appropriate body weight management.	C2	--	--	Interactive Lecture/SGDs	2	MCQs	3
19		Chronic Diseases	Discuss relation of excess body weight to development of chronic diseases.	C2	--	--				
20		Energy Balance	Explain the concept of energy balance of an individual.	C2	--	--				
21		Body Mass Index	Understand the body mass index calculations.	C2	--	--				
22		BMR	Calculate BMR and correlate BMR, total energy expenditure with weight	C3						
23		Role of Diet	Explain the role of diet in weight management.	C2	--	--				
24	Week-6	Factors	Identify factors responsible to gain weight among people in Pakistan	C1	--	--				
25		Role of Exercise	Relate the role of exercise in weight management	C4	--	--				

26		Behavior Modification	Explain the role of behavior modification techniques in weight management	C2	--	--	Interactive Lecture/SGDs	2	MCQs	3
27		Counseling	Discuss how to counsel patient regarding weight management properly	C2	--	--				
Topic: Enteral and Parenteral Nutrition										
28	Week-7	Definitions	Define Enteral and Parenteral nutrition	C1	--	--	Interactive Lecture/SGDs	2	MCQs	4
29		Differentiation	Differentiate between enteral and parenteral nutrition	C4	--	--				
30		Indications	Discuss the indications for enteral and parenteral nutrition	C2	--	--				
31	Week-8	Characteristics	Identify the characteristics, nutritional composition and concentration of formula feedings.	C3	--	--	Interactive Lecture/SGDs	2	MCQs	3
32		Complications	Relate the complications associated with enteral and parenteral feeding	C4	--	--				
Topic: Nutritional Consideration in the Prevention and Management of Cardiovascular Diseases										
33	Week-9	Hypertension Risk Factors	Identify the risk factors for the development of hypertension.	C1	--	--	Interactive Lecture/SGDs	2	MCQs	3
34		Risk Factors	Relate the risk factors for the development of coronary artery disease.	C4	--	--				
35		Nurse Role in Dietary Management	Discuss role of a nurse in dietary management of hypertension and patient with hyperlipidemia.	C2	--	--				
36	Week-10	Dietary Modification	State dietary modifications for low cholesterol diet, low saturated and low sodium diet.	C1	--	--	Interactive Lecture/SGDs	2	MCQs	3
37		Counseling	Discuss needs and counseling of patients on the dietary modification of coronary artery disease.	C2	--	--				
Topic: Nutritional Management of in Liver Diseases										
38	Week-11	Diet in Gallstones	Describe the role of diet in the management of Gallstones.	C2	--	--	Interactive Lecture/SGDs	2	MCQs	3
39		Diet in Liver Diseases	Discuss the role of diet management in liver disease, mainly hepatitis, cirrhosis and encephalopathy.	C2	--	--				
40	Week-12	Role of the Nurse	Identify the role of the nurse in dietary management of liver diseases.	C1	--	--	Interactive Lecture/SGDs	2	MCQs	3
41		Beliefs and Practices	Discuss beliefs and practices related to diet in liver disease in community.	C2	--	--				
Topic: Nutritional Management of Renal Disease										
42	Week-13	Nutritional Risk Factors	Identify nutritional risk factors for nephrolithiasis and renal failure.	C1	--	--	Interactive Lecture/SGDs	2	MCQs	3
43		Role of a Diet	Discuss the role of a diet in etiology, prevention and management of nephrolithiasis and renal failure and during dialysis.	C2	--	--				
44		Diet in Hemodialysis	Relate the role of proper diet during the procedure of hemodialysis.	C4	--	--				
45	Week-14	Nephritic/Nephrotic Diet	Describe nutritional management in nephritic and Nephrotic syndrome.	C2	--	--	Interactive Lecture/SGDs	2	MCQs	3
46		Iron Deficiency Anemia	Assess the iron deficiency anemia and Iron sources among renal patients.	C6	--	--				
Topic: Nutritional Prevention and Management of Type II Diabetes Mellitus										
47	Week-15	Prevalence	Describe the prevalence of type II DM in Pakistan.	C2	--	--	Interactive Lecture/SGDs	2	MCQs	3
48		Importance	Discuss the importance of diet in the control of Diabetes Mellitus.	C2	--	--				
49		Dietary Factors	Describe dietary factors associated with the disease.	C2	--	--				
50	Week-16	Weight Gain	Explain the role of weight gain in the Etiology of type II DM	C2	--	--	Interactive Lecture/SGDs	2	MCQs	3
51		Nurse Role	Identity the role of nurse in prevention and management of type II DM	C1	--	--				

NU-625 Quantitative Reasoning–I 3 (3+0)

Course Description

This course has been designed to enable nursing students to apply the essential mathematical, statistical and analytical skills necessary for effective decision making and problem solving in academic as well as in their clinical practices. This course emphasizes the application of quantitative reasoning to real-world nursing scenarios and practices, adopting rationalization, critical thinking and logical skills.

Course Learning Outcomes

By the end of this course, students should be able to;

1. Perform basic mathematical operations and solve equations relevant to nursing practice.
2. Understand conversion and calculation using fractions, decimals, percentages, ratios, and proportions in clinical contexts.
3. Analyze and interpret the basics of geometry and its application in health care.
4. Develop critical thinking and problem-solving skills using mathematical concepts.
5. Perform medication calculations using proportional reasoning and verify dosage accuracy.
6. Apply statistical reasoning including sampling, measures of central tendency, dispersion, and probabilities to real-world scenarios.
7. Integrate quantitative reasoning skills in evidence-based clinical and practical contexts.
8. Apply the learned concepts of quantitative and analytical reasoning in real world nursing practices.

Affective Domain

By the end of this course, students should be able to;

1. Follow the specified and professional norms of IL, SGD and LGD in the entire phases of teaching and learning process.
2. Demonstrated professional attributes and use socially acceptable approach during academic interaction with teachers, colleagues, patients and families etc.
3. Demonstrate ethically competent decisions when confronted with ethical, social or moral concerns related to professional or personal life in all settings.

Recommended Books/References

1. Rosen, K. H. (2019). Discrete mathematics and its applications (8th Ed.). McGraw-Hill Education.
2. Burzynski, D., & Ellis, W. (2008). Fundamentals of Mathematics. OpenStax CNX. https://open.umn.edu/opentextbooks/textbooks/154
3. Madison, B. L., & Bressoud, D. M. (n.d.). Quantitative reasoning for the information age. Addison-Wesley Pub. Co.
4. Zaslow, E. (2020). Quantitative reasoning: Thinking in numbers. Cambridge University Press.
5. Sevilla, A., & Somers, K. (2012). Quantitative reasoning: Tools for today's informed citizen (2nd Ed.). Wiley.
6. Chatfield, C. (1983). Statistics for technology: A course in applied statistics (3rd ed.). Chapman & Hall.
7. Lock, R. H., Lock, P. F., Morgan, K. L., Lock, E. F., & Lock, D. F. (2020). Statistics: Unlocking the power of data (3rd Ed.). Wiley.
8. Bueno de Mesquita, E., & Fowler, A. (2021). Thinking clearly with data: A guide to quantitative reasoning and analysis. Princeton University Press.
9. Bennett, J. O., & Briggs, W. L. (2019). Using and understanding mathematics: A quantitative reasoning approaches (7th Ed.). Pearson.
10. Sandra G. S. Cynthia M. M. Fundamentals of Mathematics for Nursing. (2004) (a handbook for nurses and midwives) Part A and Part B.
11. "Quantitative Reasoning: Tools for Today's Informed Citizen" by Bernard L. Madison, Lynn and Arthur Steen.
12. Statistics.: Unlocking the Power of Data" by Robin H. Lock, Patti Frazer Lock, Kari Lock Morgan, and Eric F. Lock

TOS: NU-625 Quantitative Reasoning–I 3 (3+0)

S.No	Weeks	Contents	Learning Outcome	Domain C	Domain P	Domain A	MIT's	Time/Hours	Assessment	No of Items
Topic: : Introduction to Quantitative Reasoning										
1	Week-1	Reasoning	Describe reasoning and its types.	C2	--	--	Interactive Lecture/SGDs	3	MCQs	4
2		Quantitative Reasoning	Discuss quantitative and analytical reasoning.	C2	--	--				
3		Induction and Deduction	Differentiate between inductive and deductive reasoning	C4	--	--				
4		Key Skills	Discuss the key skills required in quantitative reasoning.	C2	--	--				
5		Stages	Explain the stages or steps of quantitative reasoning process.	C2	--	--				
6		Significance in Nursing	Relate significance of quantitative reasoning in nursing practices.	C4	--	--				
7		Application	Apply the concepts quantitative reasoning in real world scenarios.	C3	--	--				
Topic: Numerical Literacy (Basic Operations)										
8	Week-2	Mathematics Basic Review	Review the basic mathematical and numerical operations.	C2	--	--	Interactive Lecture/SGDs	3	MCQs	4
9		Numerical Operations	Perform addition, subtraction, multiplication, and division with whole numbers, fractions, and decimals.	C3	--	--				
10		Types of Numbers	Understand different types of numbers and their applications in daily life	C2	--	--				
11		Number Classification	Classify the real (whole, integer, rational, irrational) numbers.	C4	--	--				
12		Practical Application	Demonstrate practical application of basic operations in nursing.	C3	--	--				
Topic: Fractions, Decimals, and Percentages										
13	Week-3	Fraction/Decimal/Percentage	Discuss the concepts of fraction, decimal and percentage with examples.	C2	--	--	Interactive Lecture/SGDs	3	MCQs	4
14		Calculations	Calculate numbers with fractions, decimals, and percentages.	C3	--	--				
15		Fundamental Operations	Apply four fundamental operations to fraction, decimal and percentage.	C3	--	--				
16		Applications	Apply fraction, decimal and percentage calculations in clinical scenarios	C3	--	--				
Topic: Rate, Ratios and Proportions										
17	Week-4	Rate/Ratios/Proportion	Define rate, ratios and proportion.	C1	--	--	Interactive Lecture/SGDs	3	MCQs	4
18		Examples	Discuss ratio and proportion with proper examples.	C2	--	--				
19		Direct & Inverse Proportion	Differentiate between direct and inverse proportion.	C4	--	--				
20		Word Problems	Solve word problems related to ratio and proportions.	C3	--	--				
21		Application in Nursing	Apply the concepts of rate, ratios and proportion in nursing situations	C3	--	--				
Topic: Measurement and Conversion										
22	Week-5	Significance	Discuss the Significance of converting units and measurements in nursing.	C	--	--	Interactive Lecture/SGDs	3	MCQs	4
23		Measurement Systems	Understand measurement systems (metric/household/apothecary)	C2	--	--				
24		Units of Measurement	Convert quantities in different measurement systems (e.g. metric, imperial)	C3	--	--				
25		Units Conversion	Explain common units of measurement (length, weight, volume, time etc.)	C2	--	--				
26		Conversion Practice	Practice conversion of different measurement from smaller to larger units.	C3	--	--				
27		Area Calculation	Calculate area or perimeter of figures (square, rectangle, triangle, and circle)	C3	--	--				

28	Week-6	Volume Computation	Compute volume for simple solids and interpret real-world applications.	C3			Interactive Lecture/SGD	3	MCQs	4
29		Volume and Weight	Discuss the equivalents of SI and British system.	C2	--	--				
30		Conversion	Discuss the equivalents of SI Units of Volume and Weight.	C3	--	--				
31		Units Conversion	Convert weight, volume and length from one unit to another SI unit.	C3	--	--				
32		Discrepancies	Explain the discrepancies that exist in conversions.	C2	--	--				
33		Solutions	Solve the simple word problem based on various measurement systems	C3	--	--				
Topic: Basics of Geometry										
34	Week-7	Basics of Geometry	Understand the basics of geometry (lines, angles, circles, polygons etc.)	C2	--	--	Interactive Lecture/SGD	3	MCQs	4
35		Shapes and Properties	Identify geometric shapes and their key properties.	C1						
36		Angles	Understand and use concepts of angles and their measures.	C2	--	--				
37		Calculation	Use geometry to compute distances or spatial relationships.	C3						
38			Discuss exponents, factoring and simplifying algebraic expressions;	C2	--	--				
39		Equations/Inequalities	Represent algebraic and graphical solutions of linear and quadratic equations and inequalities.	C3	--	--				
40		Geometric Reasoning	Practice simple clinical or spatial scenarios using geometric reasoning.	C3	--	--				
Topic: Set Operations										
41	Week-8	Sets and Elements	Define sets and elements within sets.	C1	--	--	Interactive Lecture/SGD	3	MCQs	4
42		Set Operations	Perform set operations including union, intersection, difference, complement	C3	--	--				
43		Venn Diagrams	Represent sets using Venn diagrams and set notation.	C3	--	--				
44		Relations and Functions	Distinguish between set relations and functions.	C4	--	--				
45		Problem Solution	Solve problems involving set operations and set relationships.	C3	--	--				
46		Set Interpretation	Analyze and interpret data using set concepts.	C4	--	--				
Topic: Data and Measurement										
47	Week-9	Data	Discuss data, variables and its classification.	C2	--	--	Interactive Lecture/SGD	3	MCQs	4
48		Differentiation	Differentiate between quantitative and qualitative data.	C4	--	--				
49		Sources of Data	Enlist the common sources of data.	C1	--	--				
50		Discrete/Continuous Data	Distinguish between discrete and continuous data.	C4	--	--				
51		Measurement Scale	Identify appropriate measurement scales for clinical data.	C1	--	--				
52		Health Care Practices	Relate data types and sources in healthcare practices.	C4	--	--				
Topic: Descriptive Statistical Computation										
53	Week-10	Central Tendency	Discuss measure of central tendency and its importance in health care data	C2	--	--	Interactive Lecture/SGD	3	MCQs	4
54		Mean/Mode/Median	Calculate and interpret measures of central tendency(mean/mode/median)	C3	--	--				
55		Variability/Dispersion	Explain measures of variability and dispersion.	C2	--	--				
56		Range/Variance/SD	Calculate range, variance, and standard deviation.	C3	--	--				
57		Distribution Table	Construct and interpret frequency distributions tables.	C6	--	--				
58		Application	Apply descriptive statistics to healthcare datasets.	C3	--	--				
59		Central Tendency	Discuss measure of central tendency and its importance in health care data	C2	--	--				
Topic: Graphical Representation of Data and Measurements										
60		Graphical Presentation	Explain significance of graphical presentation of data & measurements.	C2	--	--				

61	Week-11	Graphs Types	Identify different types of graphs.	C1	--	--	Interactive Lecture/SGD	3	MCQs	4
62		Data Presentation	Explain and practice tabular and graphical presentation of data	C2	--	--				
63		Graph Construction	Construct and interpret various graphs with different numerical data set	C6	--	--				
64		Practice	Perform hands-on exercises with real data sets.	C3	--	--				
Topic: Fundamental Concepts of Population, Sample and Probabilities										
65	Week-12	Population and Sample	Define the concepts of population and sample.	C1	--	--	Interactive Lecture/SGD	2	MCQs	4
66		Examples	Differentiate between population and sample using illustrative examples relevant to healthcare settings.	C4	--	--				
67		Rationale	Explain rationale of using sample instead of population, focusing on practical considerations such as efficiency and feasibility in data collections.	C2	--	--				
68		Types	Discuss the types and procedures of selecting the samples.	C2	--	--				
69		Sample Size	Calculate the sample sizes for different population and data sets.	C3	--	--				
70		Probability	Discuss basic concept of probability.	C2	--	--				
71		Calculation/Interpretation	Understand, calculate and interpret different probability distributions.	C2	--	--				
72		Application	Apply probability concepts to clinical scenarios.	C3	--	--				
73		Practice	Practice quantitative reasoning exercises using basic statistical concepts.	C3	--	--				
Topic: Application of Reasoning in Clinical Practice (Drug Calculations)										
74	Week-13	Measurement Systems	Discuss drug measurements systems.	C2	--	--	Interactive Lecture/SGD	3	MCQs	4
75		Conversions	Explain the equivalent of each system and its conversions.	C2	--	--				
76		Drug Terminologies	Explain drugs terminology and prescription abbreviations.	C2	--	--				
77		Dosage Calculations	Calculate doses based on patient weight and age.	C3	--	--				
78		Lab Interpretations	Interpret common lab results (CBC, Electrolytes, and RFTs etc.)	C4	--	--				
79	Week-14	Basic Drug Conversion	Understand conversions of basic drugs used in patient management.	C2	--	--	Interactive Lecture/SGD	3	MCQs	4
80		Sold Medications	Solve problems on oral medications by using formula for solid medications.	C3	--	--				
81		Liquid Medications	Solve word problems on oral meds by using formula for liquid medications.	C3	--	--				
82		Subcutaneous Medicine	Calculate simple problems for medicine administered by subcutaneous way	C3	--	--				
83	Week-15	Intramuscular Injections	Calculate problems for medications administered by intramuscular injection	C3	--	--	Interactive Lecture/SGD	3	MCQs	4
84		Intravenous Infusion	Calculate problems for medications administered by Intravenous infusion.	C3	--	--				
85		Infusion Rates	Calculate intravenous infusion rates by using formulae for ml per hour.	C3	--	--				
86		Drops/Minute	Calculate intravenous infusion rates by using formulae for drops per minute	C3						
87		Pediatric Dosage	Adjust pediatric doses using weight-based calculations.	C3	--	--				
88		Quantitative Reasoning	Integrate quantitative reasoning skills in drug calculations and practices.	C3	--	--				
Topic: Logical Reasoning in General Practices and Situations										
89	Week-16	Logical Reasoning	Discuss analytical and logical reasoning in daily life or general situations.	C2	--	--	Interactive Lecture/SGD	3	MCQs	4
90		Practical Tips	Discuss the practical tips to solve logical reasoning questions.	C2	--	--				
91		Logical Reasoning	Practice analytical and logical reasoning situations with examples.	C3	--	--				
92		Geometric Figures Series	Practice analytical exercise regarding geometric figures and their series	C3	--	--				
93		Number Puzzles	Learn and practice number puzzles, pattern and sequence questions.	C3	--	--				
94		Missing/Random Number	Practice datasets with missing & random number or alphabet exercises	C3	--	--				

NU-626 Islamic Studies 2 (2+0)

Course Description

This course is intended to enable the students to learn basic information about Islam, Islamic civilization, prayers, worships, beliefs, Islamic Law & Jurisprudence, Islam and science, social political and economic systems, teachings of Holy Quran and Hadith. The course would further enhance the skill of the students for understanding of issues related to faith and religious ways of life

Learning Objectives

Cognitive Domain

By the end of this course, students should be able to;

1. Discuss basic information about Islamic Studies
2. Explain Islamic Civilization
3. Discuss how to perform prayers and other worships
4. Explain the issues related to faith and religious life.
5. Discuss the teachings of Holy Quran and Hadith
6. Explain the Islamic law, civilization, social, economic and political system
7. Relate the concepts of science and Islam

Affective Domain

By the end of this course, students should be able to;

4. Follow the specified and professional norms of IL, SGD and LGD in the entire phases of teaching and learning process.
5. Demonstrated professional attributes and use the socially acceptable language during academic and clinical interaction with teachers, colleagues and patients.
6. Demonstrate ethically competent decisions when confronted with ethical, social or moral concerns related to professional or personal life in all settings.

Recommended Books/References

1. Hameed Ullah Muhammad, "Emergence of Islam" , IRI, Islamabad
2. Hameed Ullah Muhammad, "Muslim Conduct of State"
3. Hameed Ullah Muhammad, 'Introduction to Islam
4. Mulana Muhammad Yousaf Islahi,"
5. Hussain Hamid Hassan, "An Introduction to the Study of Islamic Law" leaf Publication Islamabad, Pakistan.
6. Ahmad Hasan, "Principles of Islamic Jurisprudence" Islamic Research Institute, International Islamic University, Islamabad (1993)
7. Mir Wali Ullah, "Muslim Jurisprudence and the Quranic Law of Crimes" Islamic Book Service (1982)
8. z H.S. Bhatia, "Studies in Islamic Law, Religion and Society" Deep & Deep Publications New Delhi (1989)
9. Dr. Muhammad Zia-ul-Haq, "Introduction to Al Sharia Al Islamia" Allama Iqbal Open University, Islamabad (2001)

TABLE OF SECIFICATIONS

TOS: NU-626: Islamic Studies 2(2+0)

S.No	Weeks	Contents	Learning Outcome	Domain C	Domain P	Domain A	MIT's	Time/Hours	Assessment	No of Items
Topic: Introduction to Quranic Studies										
1	Week-1	Basic Concepts	Understand the Basic Concepts of the Holy Quran.	C2	--	--	Interactive Lecture/SGDs	2	MCQs	3
2		History-Holy Quran	Discuss the History of the Revelation of Holy Quran.	C2	--	--				
3		Uloom-ul-Quran	Discuss the concepts of Uloom-ul-Quran.	C2	--	--				
4	Week-2	Surah Al-Baqra	Learn the Verses of Surah Al-Baqra Related to Faith (Verse No-284-286)	C1	--	--	Interactive Lecture/SGDs	2	MCQs	3
5		Surah Al-Hujrat	Understand Verses of Surah Al-Hujrat Related to Adab Al-Nabi (Verse:1-18)	C2	--	--				
6	Week-3	Surah Al-Mumanoon	Learn Verses of Surah Al-Mumanoon Believers Characteristics (Verse: 1-11)	C1	--	--	Interactive Lecture/SGDs	2	MCQs	3
7		Surah al-Furqan	Understand Verses of Surah al-Furqan Related to Social Ethics (Verse:63-77	C2	--	--				
8	Week-4	Surah Al-Inam	Study the Verses of Surah Al-Inam Related to Ihkam (Verse No-152-154)	C1	--	--	Interactive Lecture/SGDs	2	MCQs	3
9		Surah Al-Ihzab	Understand Verses of Surah Al-Ihzab (Adab al-Nabi) (Verse-6, 21, 40, 56, 57, 58)	C2	--	--				
10	Week-5	Surah Al-Hashar	Discuss Verses of Surah Al-Hashar (18,19,20)-Thinking and Day of Judgment	C2	--	--	Interactive Lecture/SGDs	2	MCQs	3
11		Surah Al-Saf	Learn the Verses of Surah Al-Saf Related to Tafakar,Tadabar (Verse:1,14)	C1	--	--				
Topic: Seerat of Holy Prophet (SAW)-I										
12	Week-6	Life of Holy Prophet	Learn about the Life of Muhammad Bin Abdullah (Before Prophet Hood)	C1	--	--	Interactive Lecture/SGDs	2	MCQs	3
13			Discuss the Life of Holy Prophet (S.A.W) in Makkah	C2	--	--				
14			Relate Important Lessons Derived from the life of Holy Prophet in Makkah	C4	--	--				
Topic: Seerat of Holy Prophet (SAW)-II										
15	Week-7	Life of Holy Prophet	Discuss the Life of Holy Prophet (S.A.W) in Madina.	C2	--	--	Interactive Lecture/SGDs	2	MCQs	3
16			Explain the Important Events of Life Holy Prophet in Madina.	C2	--	--				
17			Evaluate Important Lessons Derived from life of Holy Prophet in Madina.	C5	--	--				
Topic: Introduction to Sunnah										
18	Week-8	Hadith	Define the Basic Concepts of Hadith.	C1	--	--	Interactive Lecture/SGDs	2	MCQs	3
19			Describe the History of Hadith.	C2	--	--				
20			Explain the Kinds of Hadith.	C2	--	--				
21			Discuss Uloom –ul-Hadith.	C2	--	--				
22			Distinguish the Sunnah and Hadith.	C4	--	--				
23		Sunnah	Explain the Legal Position of Sunnah.	C2	--	--				
Topic: Introduction to Islamic Law and Jurisprudence										
24	Week-9	Islamic Law	Define the Basic Concepts of Islamic Law and Jurisprudence.	C1	--	--	Interactive	2	MCQs	3
25		History/Importance	Discuss the History and Importance of Islamic Law and Jurisprudence.	C2						

26	Week-10	Sources	Explain the Sources of Islamic Law & Jurisprudence.	C2	--	--	Lecture/SGD			
27		Differences	Understand the Nature of Differences in Islamic Law.	C2	--	--				
28		Islam & Sectarianism	Distinguish Islam and Sectarianism.	C4	--	--				
Topic: Islamic Culture and Civilization										
29	Week-11	Basic Concepts	Define the Basic Concepts of Islamic Culture and Civilization.	C1	--	--	Interactive Lecture/SGDs	2	MCQs	3
30		Historical Development	Understand the Historical Development of Islamic Culture and Civilization.	C2	--	--				
31		Characteristics	Discuss the Characteristics of Islamic Culture and Civilization.	C2	--	--				
32		Contemporary Issues	Evaluate the Islamic Culture and Civilization and Contemporary Issues.	C5	--	--				
Topic: Islam and Science										
33	Week-12	Islam and Science	Define the Basic Concepts of Islam and Science.	C1	--	--	Interactive Lecture/SGDs	2	MCQs	3
34		Muslims and Science	Relate the Contributions of Muslims in the Development of Science	C4	--	--				
35		Quran and Science	Discuss the concepts of Quran and Science	C2	--	--				
Topic: Islamic Economic System										
36	Week-13	Basic Concepts	Define the Basic Concepts of Islamic Economic System.	C1	--	--	Interactive Lecture/SGDs	2	MCQs	3
37		Wealth Distribution	Explain the Means of Distribution of wealth in Islamic Economics.	C2	--	--				
38		Concept of Riba	Discuss the Islamic Concept of Riba.	C2	--	--				
39		Trade & Commerce	Relate the Islamic Ways of Trade and Commerce.	C4	--	--				
Topic: Political System Of Islam										
40	Week-14	Political System	Define the Basic Concepts of Islamic Political System.	C1	--	--	Interactive Lecture/SGDs	2	MCQs	3
41		Sovereignty	Discuss the Islamic Concept of Sovereignty.	C2	--	--				
42		Basic Institutions	Describe the Basic Institutions of Government in Islam.	C2	--	--				
Topic: Islamic History										
43	Week-15	Khlaft-E-Rashida	Discuss the Period of Khlaft-E-Rashida.	C2	--	--	Interactive Lecture/SGDs	2	MCQs	3
44		Ummayyads	Evaluate the Period of Ummayyads.	C5	--	--				
45		Abbasids	Discuss the Period of Abbasids.	C2	--	--				
Topic: Social System Of Islam										
46	Week-16	Social System	Define the Basic Concepts of Social System of Islam.	C1	--	--	Interactive Lecture/SGDs	2	MCQs	3
47		Elements of Family	Discuss the Elements of Family.	C2	--	--				
48		Ethical Values	Relate Ethical Values in Islam.	C4	--	--				

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