



KHYBER MEDICAL UNIVERSITY

GENERIC B.SC NURSING CURRICULUM

YEAR TWO STUDY GUIDE

(SEMESTER 3)

16 Weeks Activity Planner

2022-23

**CENTRAL CURRICULUM & ASSESSMENT COMMITTEE FOR
NURSING, REHABILITATION SCIENCES & ALLIED HEALTH SCIENCES**

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Introduction



KMU VISION

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

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 IH-PE&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 pre-serve the leadership in providing quality education across Pakis9tan and will be a reference point of quality in future. Committe 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 will 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. Syed Hafeez Ahmad	Member	Addl. Controller of Examination Khyber Medical University
Dr. Danish Ali Khan	Member	Deputy Dean Medical Profession- al Education Department Alliance Healthcare (PVT) LTD
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



INTRODUCTION

The B.S (Generic) Nursing Programme aspires to prepare nurses in a multidisciplinary environment enabling them 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 health care teams for improving the health status of individuals, families and the society at large.

B.S Nursing is a 4-years programme that prepares graduates to provide safe, competent and compassionate nursing care grounded in theory and professional standards. The curriculum is based on the concepts of relational practice, leadership, critical nursing inquiry and ethics of care. The curriculum further gives an opportunity to the students to acquire a good deal of experience to work at various levels of health organizations including basic health units, rural health centers, community clinics, specialized and tertiary health care settings.

OBJECTIVES

By the end of this program, students should be able to:

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



THIRD SEMESTER SUBJECTS

S.No	Subjects	Duration
1	NU-201 ADULT HEALTH NURSING-I 8(4-4)	16 weeks
2	NU-202 PATHOPHYSIOLOGY-I 2(1.75-.25)	16 weeks
3	NU-203 HEALTH ASSESSMENT-I 2(1-1)	16 weeks
4	NU-204 PHARMACOLGY-I 2(2-0)	16 weeks
5	NU-205 MATHEMATICS 1(1-0)	16 weeks
6	NU-206 ENGLISH-III 2(2-0)	16 weeks



3rd Semester



NU-201 ADULT HEALTH NURSING-I 8(4-4)

Course Description

This course aimed to furnish learners with the knowledge and skills to care for an adult patient admitted to the hospital with a disease condition. It emphasizes on effective utilization of nursing process to provide care to the client and facilitate them in restoration of optimum health. Assessment Tool has been utilized for recognizing the responses towards disease process on individuals and their families and plan care accordingly. Specific nursing skills and procedures necessary to care for ill patients are included. Learners are exposed to the variety of clinical settings to integrate theory into practice under supervision.

Cognitive Domain

By the end of this subject, students should be able to:

1. Discuss the disease process, medical and surgical management, including patient's education for client's experiencing Hematology, Immunological Genitourinary, Gastrointestinal, Fluid, Electrolyte and Acid Base Balance and Imbalance, Cellular adaptation and aberrant cell growth disorders.
2. Discuss the purposes, indications and the nursing care of clients undergoing medical, surgical and diagnostic procedures related to the above-mentioned disorders.
3. Utilize nursing process when caring for adult clients and their families related to above-mentioned disorders.
4. Integrate knowledge of pathophysiology, nutrition & pharmacology for clients experiencing above-mentioned disorders
5. Begin to recognize the need for integrating research-based information in the care of clients.

Skills Domain

By the end of this subject, students should be able to:

1. Demonstrate Clinical skills as per nursing guideline for Adult Patients.
2. Demonstrate Clinical skills for assessing and managing patients with GIT Disorders.
3. Demonstrate Clinical skills for assessing and managing patients with electrolyte Imbalances Disorders.
4. Demonstrate Clinical skills for assessing and managing patients with genitourinary tract Disorders.
5. Demonstrate Clinical skills for assessing and managing patients with Respiratory Disorders.
6. Demonstrate Clinical skills for assessing and managing patients with hematology Disorders.
7. Demonstrate Clinical skills for assessing and managing patients with immunological Disorders.
8. Demonstrate awareness of the importance of legal and ethical issues in nursing practice.

Affective Domain

By the end of this subject, students should be able to:

1. Follow the specified norms of the IL, SGD teaching & learning.
2. Demonstrate the humbleness and use the socially acceptable language during academic and social interactions with human models, colleagues and teachers.
3. Demonstrate ethically competent decisions when confronted with an ethical, social or moral problem related to professional or personal life.

TOS -NU 201 ADULT HEALTH NURSING-I 8(4-4)

S.No	Weeks	Content	Learning Outcomes	Domain			MIT's	Hours	Assesment	No of Items
				C	P	A				
TOPIC: GASTROINTESTINAL-GIT DISORDERS (DISORDERS OF MOUTH AND ESOPHAGUS)										
1	Week-1	Gastrointestinal System	Review the anatomy and physiology of Gastrointestinal System	C2			Interactive Lecture/SGD	2	MCQ's	2
2		Stomatitis	Discuss the causes, pathophysiology and manifestations of Stomatitis	C2						
3			Discuss the diagnostic, medical and surgical management of Stomatitis	C2						
4			Apply nursing process with ADPIE Format of care provided to clients with Stomatitis	C3						
5			Develop a teaching plan for a client experiencing disorder of Stomatitis	C5						
6			Oral Cancer/Tumor	Discuss the causes, pathophysiology and manifestations of Oral Cancer/Tumor	C2					
7		Discuss the diagnostic, medical and surgical management of Oral Cancer/Tumor		C2						
8		Apply nursing process with ADPIE Format of care to clients with Oral Cancer/Tumor		C3						
9		Develop a teaching plan for a client experiencing disorder of Oral Cancer/Tumor		C5						
10		Gland Disorders	Discuss the causes, pathophysiology and manifestations of Salivary Gland Disorders	C2						
11			Discuss the diagnostic, medical and surgical management of Salivary Gland Disorders	C2						
12			Apply nursing process with ADPIE Format of care to client of Salivary Gland Disorder	C3						
13			Develop a teaching plan for a client experiencing disorder of Salivary Gland Disorders	C5						
14			Discuss the causes, pathophysiology and manifestations of Salivary Gland Disorders	C2						
15		Gastro Esophageal Reflux Disorder	Discuss diagnostic, medical, surgical management of Gastro Esophageal Reflux Disorder	C2						
16			Apply nursing process with ADPIE to the clients with Gastro Esophageal Reflux Disorder	C3						
17			Develop a teaching plan for a client experiencing of Gastro Esophageal Reflux Disorder	C5						

18	Week-1	Hiatal Hernia	Discuss the causes, pathophysiology and manifestations of Hiatal Hernia	C2			Interactive Lecture/SGD	2	MCQ's	2
19			Discuss the diagnostic, medical and surgical management of Hiatal Hernia	C2						
20			Apply nursing process with ADPIE Format of care to clients with Hiatal Hernia	C3						
21			Develop a teaching plan for a client experiencing disorder of Hiatal Hernia	C5						
22		Achalasia	Discuss the causes, pathophysiology and manifestations of Achalasia	C2						
23			Discuss the diagnostic, medical and surgical management of Achalasia	C2						
24			Apply nursing process with ADPIE Format of care to clients with Achalasia	C3						
25			Develop a teaching plan for a client experiencing disorder of Achalasia	C5						
26		Diverticula	Discuss the causes, pathophysiology and manifestations of Diverticula	C2						
27			Discuss the diagnostic, medical and surgical management of Diverticula	C2						
28			Apply nursing process with ADPIE Format of care to clients with Diverticula	C3						
29			Develop a teaching plan for a client experiencing disorder of Diverticula	C5						
30		Esophageal Cancer/Tumor	Discuss the causes, pathophysiology and manifestations of Esophageal Cancer/Tumor	C2						
31			Discuss the diagnostic, medical and surgical management of Esophageal Cancer/Tumor	C2						
32			Apply nursing process with ADPIE Format of care to clients with Esophageal Cancer/Tumor	C3						
33			Develop a teaching plan for a client experiencing disorder of Esophageal Cancer/Tumor	C5						
34	Practical	Demonstrate to take history of the patient with Gastrointestinal Disorders		P5		Demo	11	OPSE	5	
35		Maintain the ethical standards during taking history of the patient admitted with GI problems			A	Role Play		Formative Assessment		
TOPIC: GASTROINTESTINAL-GIT DISORDERS (DISORDERS OF STOMACH)										

36	Week-2	Gastritis	Discuss the causes, pathophysiology and manifestations of Gastritis	C2			Interactive Lecture/SGD	4	MCQ's	5
37			Discuss the diagnostic including gastric analysis, medical and surgical management of Gastritis	C2						
38			Apply nursing process with ADPIE Format of care to clients with Gastritis	C3						
39			Develop a teaching plan for a client experiencing disorder of Gastritis	C5						
40		Ulcer Disease	Discuss the causes, pathophysiology and manifestations of Ulcer Disease	C2						
41			Discuss the diagnostic, medical and surgical management of Ulcer disease	C2						
42			Apply nursing process with ADPIE Format of care to clients with Ulcer Disease	C3						
43			Develop a teaching plan for a client experiencing disorder of Ulcer Disease	C5						
44		Gastric Carcinoma	Discuss the causes, pathophysiology and manifestations of Gastric Carcinoma	C2						
45			Discuss the diagnostic, medical and surgical management of Gastric Carcinoma	C2						
46			Apply nursing process with ADPIE Format of care to clients with Gastric Carcinoma	C3						
47			Develop a teaching plan for a client experiencing disorder of Gastric Carcinoma	C5						
48	Practical	Demonstrate to Insert NG (Nasogastric)Tube under supervision		P3		Demo	11	OPSE	5	
		Properly explain the procedure and purpose of NG Tube insertion to the patient			A	Role Play		Formative Assessment		
TOPIC: GASTROINTESTINAL-GIT DISORDERS (DISORDERS OF SMALL AND LARGE INTESTINE)										

49	Week-3	Irritable Bowel Syndrome	Discuss the causes, pathophysiology and manifestations of Irritable Bowel Syndrome	C2			Interactive Lecture/SGD	2	MCQ's	2
50			Discuss the diagnostic, medical and surgical management of Irritable Bowel Syndrome	C2						
51			Apply nursing process with ADPIE Format of care to clients with Irritable Bowel Syndrome	C3						
52			Develop a teaching plan for a client experiencing disorder of Irritable Bowel Syndrome	C5						
53		Hernias	Discuss the causes, pathophysiology and manifestations of Hernias	C2						
54			Discuss the diagnostic, medical and surgical management of Hernias	C2						
55			Apply nursing process with ADPIE Format of care to clients with Hernias	C3						
56			Develop a teaching plan for a client experiencing disorder of Hernias	C5						
57		Intestinal Obstruction	Discuss the causes, pathophysiology and manifestations of Intestinal Obstruction	C2						
58			Discuss the diagnostic, medical and surgical management of Intestinal Obstruction	C2						
59			Apply nursing process with ADPIE Format of care to clients with Intestinal Obstruction	C3						
60			Develop a teaching plan for a client experiencing disorder of Intestinal Obstruction	C5						
61	Hemorrhoids	Discuss the causes, pathophysiology and manifestations of Hemorrhoids	C2							
62		Discuss the diagnostic, medical and surgical management of Hemorrhoids	C2							
63		Apply nursing process with ADPIE Format of care to clients with Hemorrhoids	C3							

64	Week-3	Hemorrhoids	Develop a teaching plan for a client experiencing disorder of Hemorrhoids	C5			Interactive Lecture/SGD	2	MCQ's	2
65		Colorectal Cancer	Discuss the causes, pathophysiology and manifestations of Colorectal Cancer	C2						
66			Discuss the diagnostic, medical and surgical management of Colorectal Cancer	C2						
67			Apply nursing process with ADPIE Format of care to clients with Colorectal Cancer	C3						
68			Develop a teaching plan for a client experiencing disorder of Colorectal Cancer	C5						
69		Appendicitis	Discuss the causes, pathophysiology and manifestations of Appendicitis	C2						
70			Discuss the diagnostic, medical and surgical management of Appendicitis	C2						
71			Apply nursing process with ADPIE Format of care to clients with Appendicitis	C3						
72			Develop a teaching plan for a client experiencing disorder of Appendicitis	C5						
73		Practical	Demonstrate feeding among the patients with NG (Naso-gastric) tube		P4					
74	Maintain the ethical norms when explain the purpose of tube feeding to the patient				A	Role Play	Formative Assessment			

75	Week-4	Peritonitis	Discuss the causes, pathophysiology and manifestations of Peritonitis	C2			Interactive Lecture/SGD	2	MCQ's	2
76			Discuss the diagnostic, medical and surgical management of Peritonitis	C2						
77			Apply nursing process with ADPIE Format of care to clients with Peritonitis	C3						
78			Develop a teaching plan for a client experiencing disorder of Peritonitis	C5						
79		Ulcerative Colitis	Discuss the causes, pathophysiology and manifestations of Ulcerative Colitis	C2						
80			Discuss the diagnostic, medical and surgical management of Ulcerative Colitis	C2						
81			Apply nursing process with ADPIE Format of care to clients with Ulcerative Colitis	C3						
82			Develop a teaching plan for a client experiencing disorder of Ulcerative Colitis	C5						
83		Chron's Disease	Discuss the causes, pathophysiology and manifestations of Chron's Disease	C2						
84			Discuss the diagnostic, medical and surgical management of Chron's Disease	C2						
85			Apply nursing process with ADPIE Format of care to clients with Chron's Disease	C3						
86			Develop a teaching plan for a client experiencing disorder of Chron's Disease	C5						

87	Week-4	Anorectal Abscess	Discuss the causes, pathophysiology and manifestations of Anorectal Abscess				Interactive Lecture/SGD	2	MCQ's	2
88			Discuss the diagnostic, medical and surgical management of Anorectal Abscess							
89			Apply nursing process with ADPIE Format of care to clients with Anorectal Abscess							
90			Develop a teaching plan for a client experiencing disorder of Anorectal Abscess							
91		Anal Fissure	Discuss the causes, pathophysiology and manifestations of Anal Fissure							
92			Discuss the diagnostic, medical and surgical management of Anal Fissure							
93			Apply nursing process with ADPIE Format of care to clients with Anal Fissure							
94			Develop a teaching plan for a client experiencing disorder of Anal Fissure							
95		Anal Fistula	Discuss the causes, pathophysiology and manifestations of Anal Fistula							
96			Discuss the diagnostic, medical and surgical management of Anal Fistula							
97			Apply nursing process with ADPIE Format of care to clients with Anal Fistula							
98			Develop a teaching plan for a client experiencing disorder of Anal Fistula							
99	Practical	Provide ostomy care to the patient		P4		Demo	11	OPSE	5	
100		Provide morally acceptable care while caring the patient with an ostomy			A	Role Play		Formative Assessment		
TOPIC: GASTROINTESTINAL-GIT DISORDERS (HEPATOBILIARY SYSTEM DISORDERS)										



101	Week-5	Pancreatitis	Discuss the causes, pathophysiology and manifestations of Pancreatitis	C2			Interactive Lecture/SGD	2	MCQ's	2
102			Discuss the diagnostic, medical and surgical management of Pancreatitis	C2						
103			Apply nursing process with ADPIE Format of care to clients with Pancreatitis	C3						
104			Develop a teaching plan for a client experiencing disorder of Pancreatitis	C5						
105		Pancreatic Pseudocyst/ Abscess	Discuss the causes, pathophysiology and manifestations of Pancreatic Pseudocyst/Abscess	C2						
106			Discuss the diagnostic, medical and surgical management of Pancreatic Pseudocyst/Abscess	C2						
107			Apply nursing process with ADPIE of care to clients with Pancreatic Pseudocyst/Abscess	C3						
108			Develop a teaching plan for a client experiencing disorder of Pancreatic Pseudocyst/Abscess	C5						
109		Pancreatic Carcinoma	Discuss the causes, pathophysiology and manifestations of Pancreatic Carcinoma	C2						
110			Discuss the diagnostic, medical and surgical management of Pancreatic Carcinoma	C2						
111			Apply nursing process with ADPIE Format of care to clients with Pancreatic Carcinoma	C3						
112			Develop a teaching plan for a client experiencing disorder of Pancreatic Carcinoma	C5						



113	Week-5	Hepatic Abscess	Discuss the causes, pathophysiology and manifestations of Hepatic Abscess	C2			Interactive Lecture/SGD	2	MCQ's	2
114			Discuss the diagnostic, medical and surgical management of Hepatic Abscess	C2						
115			Apply nursing process with ADPIE Format of care to clients with Hepatic Abscess	C3						
116			Develop a teaching plan for a client experiencing disorder of Hepatic Abscess	C5						
117	Week-5	Cancer of Liver	Discuss the causes, pathophysiology and manifestations of Cancer of Liver	C2			Interactive Lecture/SGD	2	MCQ's	2
118			Discuss the diagnostic, medical and surgical management of Cancer of Liver	C2						
119			Apply nursing process with ADPIE Format of care to clients with Cancer of Liver	C3						
120			Develop a teaching plan for a client experiencing disorder of Cancer of Liver	C5						
121	Week-5	Practical	Provide nursing care to client undergoing Upper/lower GI (Gastro Intestinal) endoscopies/biopsies		P4		Demo	11	OPSE	5
122			Maintain the professional norms while caring the patients undergoing endoscopies and biopsies			A	Role Play		Formative Assessment	
TOPIC: GASTROINTESTINAL-GIT DISORDERS (HEPATOBILIARY SYSTEM DISORDERS)										



123	Week-6	Cirrhosis of Liver	Discuss the causes, pathophysiology and manifestations of Cirrhosis of Liver	C2			Interactive Lecture/SGD	2	MCQ's	2
124			Discuss the diagnostic, medical and surgical management of Cirrhosis of Liver	C2						
125			Apply nursing process with ADPIE Format of care to clients with Cirrhosis of Liver	C3						
126			Develop a teaching plan for a client experiencing disorder of Cirrhosis of Liver	C5						
127		Cholecystitis	Discuss the causes, pathophysiology and manifestations of Cholecystitis	C2						
128			Discuss the diagnostic, medical and surgical management of Cholecystitis	C2						
129			Apply nursing process with ADPIE Format of care to clients with Cholecystitis	C3						
130			Develop a teaching plan for a client experiencing disorder of Cholecystitis	C5						
131			Discuss the causes, pathophysiology and manifestations of Cholelithiasis	C2						
132			Discuss the diagnostic, medical and surgical management of Cholelithiasis	C2						
133	Apply nursing process with ADPIE Format of care to clients with Cholelithiasis	C3								
134	Develop a teaching plan for a client experiencing disorder of Cholelithiasis	C5								



135	Week-6	Cancer of Gall Bladder	Discuss the causes, pathophysiology and manifestations of Cancer of Gall Bladder	C2			Interactive Lecture/SGD	2	MCQ's	2
136			Discuss the diagnostic, medical and surgical management of Cancer of Gall Bladder	C2						
137			Apply nursing process with ADPIE Format of care to clients with Cancer of Gall Bladder	C3						
138			Develop a teaching plan for a client experiencing disorder of Cancer of Gall Bladder	C5						
139	Practical		Prepare a patient undergoing for the procedure of Liver Biopsy/Barium studies Paracentesis		P3		Demo	11	OPSE	5
140			Follow professional norms while preparing a patient for undergoing biopsy/Barium/Paracentesis			A	Role Play		Formative Assessment	
TOPIC: FLUID, ELECTROLYTE, AND ACID BASE BALANCE & IMBALANCES										
141	Week-7	physical examination	Analyze the client's status on the basis of physical examination findings	C3			Interactive Lecture/SGD	4	MCQ's	5
142		fluid imbalances	Identify clients at risk for fluid imbalances, acidosis and alkalosis	C1						
143		acidosis/alkalosis	Use laboratory data and clinical s/s to determine presence of fluid imbalances/acidosis/alkalosis	C3						
144			Apply appropriate nursing care to client with fluid volume deficit/excess & acidosis and alkalosis	C3						
145			Develop teaching plan to care fluid volume excess/deficit, respiratory/metabolic acidosis/alkalosis	C5						
146		Practical		Administer intravenous medications to the hospitalized patients		P4				
147	Follow the professional norms while explaining purpose of medication administration to the patient					A	Role Play	Formative Assessment		
TOPIC: GENITOURINARY TRACT (GUT) DISORDERS										

147	Week-8	Genitourinary Tract	Review the anatomy& physiology of Genitourinary Tract	C2			Interactive Lecture/SGD	4	MCQ's	5
148		Urinary Tract Infections	Discuss the causes, pathophysiology and manifestation of Urinary Tract Infections	C2						
149			Discuss the diagnostic, medical and surgical management of Urinary Tract Infections	C2						
150			Apply nursing process with ADPIE Format of care to clients with Urinary Tract Infections	C3						
151			Develop a teaching plan for a client experiencing disorder of Urinary Tract Infections	C5						
152			Renal Abscess and Tuberculosis	Discuss the causes, pathophysiology and manifestation of Renal Abscess and Tuberculosis	C2					
153		Discuss the diagnostic, medical and surgical management of Renal Abscess and Tuberculosis		C2						
154		Apply nursing process with ADPIE Format of care to client with Renal Abscess/Tuberculosis		C3						
155		Develop a teaching plan for a client experiencing disorder of Renal Abscess /Tuberculosis		C5						
156		Glomerulonephritis (Immunologic)	Discuss causes, pathophysiology and manifestation of Glomerulonephritis (Immunologic)	C2						
157			Discuss the diagnostic, medical and surgical management of Glomerulonephritis	C2						
158			Apply nursing process with ADPIE Format of care to clients with Glomerulonephritis	C3						
159			Develop a teaching plan for a client experiencing disorder of Glomerulonephritis	C5						
160		Practical	Perform to insert urinary catheterization among patients with genitourinary tract disorders		P2					
161	Explain the procedure and purpose of urinary catheterization to the patients properly				A	Role Play	Formative Assessment			

162	Week-9	Hydroureter and Hydronephrosis	Discuss causes, patho and s/s of Urethral Strictures, Hydroureter and Hydronephrosis	C2			Interactive Lecture/SGD	2	MCQ's	2
163		Urethral Strictures/ Hydroureter/Nephrosis	Discuss diagnostic/medi/ surgical management of Urethral Strictures/Hydroureter/Nephrosis	C2						
164			Apply nursing process (ADPIE) to care client wi Urethral Strictures, Hydroureter/Nephrosis	C3						
165			Develop teaching plan for a client with Urethral Strictures, Hydroureter and Hydronephrosis	C5						
166		Urinary Incontinence/ Retention /Calculi	Discuss the causes, patho and s/s of Urinary Incontinence/ Retention / Urinary Calculi	C2						
167			Discuss diagnostic/medical/surgical management of Urinary Incontinence/ Retention /Calculi	C2						
168			Apply nursing process (ADPIE) to care clients with Urinary Incontinence/ Retention / Ur.Calculi	C3						
169			Develop a teaching plan for a client experiencing Urinary Incontinence/ Retention / Ur.Calculi	C5						
170		Acute & Chronic Renal Failure	Discuss the causes, pathophysiology and manifestation of Acute & Chronic Renal Failure	C2						
171			Discuss the diagnostic, medical and surgical management of Acute & Chronic Renal Failure	C2						
172			Apply nursing process with ADPIE Format of care to clients with Acute & Chronic Renal Failure	C3						
173			Develop a teaching plan for a client experiencing disorder of Acute & Chronic Renal Failure	C5						
174		Bladder and Renal Cell Carcinoma	Discuss causes, pathophysiology and manifestation of Urinary Bladder and Renal Cell Carcinoma	C2						
175			Discuss the diagnostic, medical and surgical management of Bladder and Renal Cell Carcinoma	C2						
176			Apply nursing process with (ADPIE) to care clients with Bladder and Renal Cell Carcinoma	C3						
177			Develop a teaching plan for a client experiencing disorder of Bladder and Renal Cell Carcinoma	C5						
178	Practical	Perform to take care of the urinary catheter		P4		Demo	11	OPSE	5	
179		Follow the professional standards during care of catheter			A	Role Play		Formative Assessment		
TOPIC: REPRODUCTIVE DISORDERS										

180	Week-10	Female reproductive system	Review the anatomy & physiology of female reproductive system	C2			Interactive Lecture/SGD	2	MCQ's	2
181			Discuss function of ligaments and pelvic floor muscles in maintaining position of pelvic organs	C2						
182			Discuss alteration in estrogen and progesterone levels as a cause of dysfunctional menstrual cycle	C2						
183		Reproductive Tract Infections	Discuss the causes, pathophysiology and manifestation of Reproductive Tract Infections	C2						
184			Discuss the diagnostic, medical and surgical management of Reproductive Tract Infections	C2						
185			Apply nursing process with ADPIE Format of care to clients with Reproductive Tract Infections	C3						
186			Develop a teaching plan for a client experiencing disorder of Reproductive Tract Infections	C5						
187		Menstrual Disorders	Discuss the causes, pathophysiology and manifestation of Menstrual Disorders	C2						
188			Discuss the diagnostic, medical and surgical management of Menstrual Disorders	C2						
189			Apply nursing process with ADPIE Format of care to clients with Menstrual Disorders	C3						
190			Develop a teaching plan for a client experiencing disorder of Menstrual Disorders	C5						
191		Dysfunctional Uterine Bleeding	Discuss the causes, pathophysiology and manifestation of Dysfunctional Uterine Bleeding	C2						
192			Discuss the diagnostic, medical and surgical management of Dysfunctional Uterine Bleeding	C2						
193			Apply nursing process with (ADPIE) to care clients with Dysfunctional Uterine Bleeding	C3						
194	Develop a teaching plan for a client experiencing disorder of Dysfunctional Uterine Bleeding		C5							

195	Week-10	Menopause and Endometriosis	Discuss the causes, pathophysiology and manifestation of Menopause and Endometriosis	C2			Interactive Lecture/SGD	2	MCQ's	2
196			Discuss the diagnostic, medical and surgical management of Menopause and Endometriosis	C2						
197			Apply nursing process with ADPIE Format of care to clients with Menopause and Endometriosis	C3						
198			Develop a teaching plan for a client experiencing disorder of Menopause and Endometriosis	C5						
199		Pelvic Inflammatory Disease	Discuss the causes, pathophysiology and manifestation of Pelvic Inflammatory Disease	C2						
200			Discuss the diagnostic, medical and surgical management of Pelvic Inflammatory Disease	C2						
201			Apply nursing process with ADPIE Format of care to clients with Pelvic Inflammatory Disease	C3						
202			Develop a teaching plan for a client experiencing disorder of Pelvic Inflammatory Disease	C5						
203	Practical	Prepare a client for undergoing Ultrasound or CT (Computed Tomography) scan/X-rays		P4		Demo	11	OPSE	5	
204		Follow ethical norms while preparing patient for Ultrasound or CT(Computed Tomography) scan			A	Role Play		Formative Assessment		

205	Uterine Prolapse/ Cystocele/ Rectocele/ Fistulas	Discuss causes, patho and manifestation of Uterine Prolapse/ Cystocele/ Rectocele/ Fistulas	C2			Interactive Lecture/SGD	4	MCQ's	5
206		Discuss diagnostic/medical/surgical management of U.Prolapse/ Cystocele/ Rectocele/ Fistulas	C2						
207		Apply nursing process (ADPIE) to care clients with U. Prolapse/ Cystocele/ Rectocele/ Fistulas	C3						
208		Develop a teaching plan for a client of Uterine Prolapse/ Cystocele/ Rectocele/ Fistulas	C5						
209	Ectopic Pregnancy and Abortion	Discuss the causes, pathophysiology and manifestation of Ectopic Pregnancy and Abortion	C2						
210		Discuss the diagnostic, medical and surgical management of Ectopic Pregnancy and Abortion	C2						
211		Apply nursing process with ADPIE to care clients with Ectopic Pregnancy and Abortion	C3						
212		Develop a teaching plan for a client experiencing disorder of Ectopic Pregnancy and Abortion	C5						
213	Hydatidiform Mole/ Ovarian Cyst, Tumor, & Cancer	Discuss causes, patho and manifestations of Hydatidiform Mole/Ovarian Cyst, Tumor, & Cancer	C2						
214		Discuss diagnostic/med/ surgical management of H.Mole/ Ovarian Cyst/Tumor/Cancer	C2						
215		Apply nursing process with ADPIE to care clients with H.Mole/Ovarian Cyst/Tumor/Cancer	C3						
216		Develop a teaching plan for a client experiencing of H.Mole/Ovarian Cyst/Tumor/Cancer	C5						
217	Infertility	Discuss the causes, pathophysiology and manifestation of Infertility	C2						
218		Discuss the diagnostic, medical and surgical management of Infertility	C2						
219		Apply nursing process with ADPIE to care clients with Infertility	C3						
220		Develop a teaching plan for a client experiencing disorder of Infertility	C5						
221	Uterine Tumor/ Fibroids	Discuss the causes, pathophysiology and manifestation of Uterine Tumor/ Fibroids	C2						
222		Discuss the diagnostic, medical and surgical management of Uterine Tumor/ Fibroids	C2						
223		Apply nursing process with ADPIE to care clients with Uterine Tumor/ Fibroids	C3						
224		Develop a teaching plan for a client experiencing disorder of Uterine Tumor/ Fibroids	C5						

225	Week-11	Practical	Develop a Nursing Care Plan (NCP) to the sick adult patient admitted with reproductive disorders		P4		Demo	11	OPSE	5
226			Follow the professional norms while Planning care of the patient with reproductive disorders			A	Role Play		Formative Assessment	
227	Week-12	Breast Cancer	Discuss the causes, pathophysiology and manifestation of Breast Cancer	C2			Interactive Lecture/SGD	2	MCQ's	2
228			Discuss the diagnostic, medical and surgical management of Breast Cancer	C2						
229			Apply nursing process with ADPIE to care clients with Breast Cancer	C3						
230			Develop a teaching plan for a client experiencing disorder of Breast Cancer	C5						
231		Male reproductive system	Discuss the structure & function of male reproductive system	C2						
232		Benign Prostate Hypertrophy	Discuss the causes, pathophysiology and manifestation of Benign Prostate Hypertrophy	C2						
233			Discuss the diagnostic, medical and surgical management of Benign Prostate Hypertrophy	C2						
234			Apply nursing process with ADPIE to care clients with Benign Prostate Hypertrophy	C3						
235			Develop a teaching plan for a client experiencing disorder of Benign Prostate Hypertrophy	C5						
236		Erectile Dysfunction	Discuss the causes, pathophysiology and manifestation of Erectile Dysfunction	C2						
237			Discuss the diagnostic, medical and surgical management of Erectile Dysfunction	C2						
238			Apply nursing process with ADPIE to care clients with Erectile Dysfunction	C3						
239	Develop a teaching plan for a client experiencing disorder of Erectile Dysfunction		C5							

240	Prostate and Testicular Cancer	Discuss the causes, pathophysiology and manifestation of Prostate and Testicular Cancer	C2			Interactive Lecture/SGD	2	MCQ's	2
241		Discuss the diagnostic, medical and surgical management of Prostate and Testicular Cancer	C2						
242		Apply nursing process with ADPIE to care clients with Prostate and Testicular Cancer	C3						
243		Develop a teaching plan for a client experiencing disorder of Prostate and Testicular Cancer	C5						
244	Infertility	Discuss the causes, pathophysiology and manifestation of Infertility	C2						
245		Discuss the diagnostic, medical and surgical management of Infertility	C2						
246		Apply nursing process with ADPIE to care clients with Infertility	C3						
247		Develop a teaching plan for a client experiencing disorder of Infertility	C5						
248	Practical	Provide nursing care to the patient undergoing for Cystoscopy/IVP (Intravenous pyelography)		P4		Demo	11	OPSE	5
249		Maintain the professional norms while preparing patient undergoing for Cystoscopy/IVP			A	Role Play		Formative Assessment	
TOPIC: HEMATOLOGY DISORDERS									

250	Week-13	hemolytic disease	Describe the pathogenesis of hemolytic disease of the newborn	C5			Interactive Lecture/SGD	2	MCQ's	2
251		lymph proliferative disorders	Discuss lymph proliferative disorders associated with Hodgkin and non-Hodgkin's lymphomas	C2						
252		Thrombocytopenia	Discuss the mechanism of drugs induced and Idiopathic Thrombocytopenia	C2						
253		Sickle Cell Anaemia	Discuss the causes, pathophysiology and manifestation of Sickle Cell Anaemia	C3						
254			Discuss the diagnostic, medical and surgical management of Sickle Cell Anaemia	C5						
255			Apply nursing process with ADPIE to care clients with Sickle Cell Anaemia	C2						
256			Develop a teaching plan for a client experiencing disorder of Sickle Cell Anaemia	C2						
257		Immuno-hemolytic Anaemia	Discuss the causes, pathophysiology and manifestation of Immuno-hemolytic Anaemia	C3						
258			Discuss the diagnostic, medical and surgical management of Immuno-hemolytic Anaemia	C5						
259			Apply nursing process with ADPIE to care clients with Immuno-hemolytic Anaemia							
260			Develop a teaching plan for a client experiencing disorder of Immuno-hemolytic Anaemia							
261		Iron Deficiency Anaemia	Discuss the causes, pathophysiology and manifestation of Iron Deficiency Anaemia							
262			Discuss the diagnostic, medical and surgical management of Iron Deficiency Anaemia							
263			Apply nursing process with ADPIE to care clients with Iron Deficiency Anaemia							
264	Develop a teaching plan for a client experiencing disorder of Iron Deficiency Anaemia									



265	Week-13	Vitamin B 12 and Folic Acid Deficiency Anaemia	Discuss causes, pathophysiology and s/s of Vitamin B 12 and Folic Acid Deficiency Anaemia				Interactive Lecture/SGD	2	MCQ's	2
266			Discuss diagnostic/medical/surgical management of Vit. B 12 and Folic Acid Deficiency Anaemia							
267			Apply nursing process (ADPIE) to care clients with Vit. B 12 and Folic Acid Deficiency Anaemia							
268			Develop a teaching plan for a client experiencing Vit. B 12 and Folic Acid Deficiency Anaemia							
269		Aplastic Anaemia	Discuss the causes, pathophysiology and manifestation of Aplastic Anaemia							
270			Discuss the diagnostic, medical and surgical management of Aplastic Anaemia							
271			Apply nursing process with ADPIE to care clients with Aplastic Anaemia							
272			Develop a teaching plan for a client experiencing disorder of Aplastic Anaemia							
273	Practical	Demonstrate to take blood sample for pathological lab tests		P4		Demo	11	OPSE	5	
274		Follow the ethical consideration during taking blood sample of the patient			A	Role Play		Formative Assessment		



275	Polycythemia	Discuss the causes, pathophysiology and manifestation of Polycythemia	C2			Interactive Lecture/SGD	2	MCQ's	2
276		Discuss the diagnostic, medical and surgical management of Polycythemia	C2						
277		Apply nursing process with ADPIE to care clients with Polycythemia	C3						
278		Develop a teaching plan for a client experiencing disorder of Polycythemia	C5						
279	Leukemia	Discuss the causes, pathophysiology and manifestation of Leukemia	C2						
280		Discuss the diagnostic, medical and surgical management of Leukemia	C2						
281		Apply nursing process with ADPIE to care clients with Leukemia	C3						
282		Develop a teaching plan for a client experiencing disorder of Leukemia	C5						
283	Hodgkin and non-Hodgkin's Lymphomas	Discuss causes, pathophysiology and manifestation of Hodgkin and non-Hodgkin's Lymphomas	C2						
284		Discuss diagnostic, medical & surgical management of Hodgkin and non-Hodgkin's Lymphomas	C2						
285		Apply nursing process with ADPIE to care clients with Hodgkin and non-Hodgkin's Lymphomas	C3						
286		Develop a teaching plan for a client experiencing Hodgkin and non-Hodgkin's Lymphomas	C5						



287	Autoimmune/Thrombotic/ Thrombocytopenic Purpura	Discuss causes, patho and s/s of Autoimmune and Thrombotic Thrombocytopenic Purpura	C2			Interactive Lecture/SGD	2	MCQ's	2
288		Discuss diagnostic/med/surg management of Autoimmune/Thrombotic/Thrombocytopenic Purpura	C2						
289		Apply nursing process (ADPIE) to care of Autoimmune/Thrombotic Thrombocytopenic Purpura	C3						
290		Develop a teaching plan for a client of Autoimmune and Thrombotic Thrombocytopenic Purpura	C5						
291	Disseminated Intravascular Coagulation	Discuss causes, pathophysiology and s/s of DIC- Disseminated Intravascular Coagulation	C2						
292		Discuss diagnostic/medical/surgical management of DIC Disseminated Intravascular Coagulation	C2						
293		Apply nursing process (ADPIE) to care clients with DIC Disseminated Intravascular Coagulation	C3						
294		Develop a teaching plan for a client experiencing DIC Disseminated Intravascular Coagulation	C5						
295	Practical	Demonstrate to transfuse blood under supervision to the patient with anemia & blood disorders		P2		Demo	11	OPSE	5
296		Follow the ethical considerations during the procedure of blood transfusion			A	Role Play		Formative Assessment	
TOPIC: CELLULAR ADAPTATION & ABERRANT CELL GROWTH									



297	Week-15	cancer therapy	Identify the goals of cancer therapy	C1			Interactive Lecture/SGD	4	MCQ's	5
298		treatment modalities	Discuss different treatment modalities available for Cancer	C2						
299		chemotherapy and radiation therapy	Discuss chemotherapy and radiation therapy, their types, indication, side effects and nursing care	C2						
300		nursing care	Discuss different types of cancer surgeries and nursing care of patients undergoing cancer surgery.	C2						
301		hospice care	Discuss end of life care (palliative and hospice care)	C2						
302		Practical	Administer chemotherapeutic agents under supervision among cancer patients		P2		Demo	11	OPSE	5
303	Follow the professional standards to administer the chemotherapeutic agents properly				A	Role Play	Formative Assessment			
TOPIC: IMMUNOLOGICAL DISORDERS										



304	Week-16	Immunologic disorders	Discuss Immunologic disorders	C5			Interactive Lecture/SGD	4	MCQ's	5
305		HIV/ AIDS	Discuss causes, pathophysiology and manifestation of HIV/ AIDS	C2						
306		management	Discuss the diagnostic, medical and surgical management of the HIV/ AIDS	C2						
307		nursing process	Apply nursing process with ADPIE to care clients with HIV/ AIDS	C3						
308		teaching plan	Develop a teaching plan for a client of HIV/ AIDS	C5						
309		Hypersensitivity & Autoimmunity Disorders	Discuss causes, pathophysiology and manifestation of Hypersensitivity & Autoimmunity Disorders	C2						
310			Discuss diagnostic/medical/surgical management of Hypersensitivity & Autoimmunity Disorders	C2						
311			Apply nursing process (ADPIE) to care clients with Hypersensitivity & Autoimmunity Disorders	C3						
312			Develop a teaching plan for a client of Hypersensitivity & Autoimmunity Disorders	C5						
313		Practical	Demonstrate to follow universal precautions while caring the HIV/AIDS Patient		P4					
314	Maintain ethical standards while caring the patient with HIV/AIDS				A	Role Play	Formative Assessment			



NU-202 PATHOPHYSIOLOGY-I 2(1.75-.25)

Course Description

This course provides learners with the opportunities to build on the concepts and knowledge about the altered Physiological mechanisms and their impact on the functional status of the body. It also deals with the responses of the body that participate in manifestation of disease. The usefulness of knowledge, skills and attitudes to the nurse in his/her problem solving in the hospital, school, community or home is the determining factor in the selection and integration of the content.

Cognitive Domain

By the end of this subject, students should be able to:

1. **Discuss factors in environment, which contribute to produce changes in normal physiological processes of human body.**
2. **Relate normal physiology with altered physiological mechanisms in disease process.**
3. **Integrate knowledge of the basic principles of Pathophysiology in caring a patient in hospital and community environment**
4. **Apply the knowledge and principles learnt through laboratory work in their nursing practice.**

Skills Domain

By the end of this subject, students should be able to:

1. **Observe and interpret science phenomenon in a pathology lab**
2. **Observe and interpret cell adaptation slides**
3. **Observe/Interpret Effect of Suspending Red Blood Cell in Different Concentration of Salt Solution.**

Affective Domain

By the end of this subject, students should be able to:

1. **Follow the specified norms of the IL, SGD teaching & learning.**
2. **Demonstrate the humbleness and use the socially acceptable language during academic and social interactions with human models, colleagues and teachers.**
3. **Demonstrate ethically competent decisions when confronted with an ethical, social or moral problem related to professional or personal life.**

TOS -NU-202 PATHOPHYSIOLOGY-I 2(1.75-.25)

S.No	Weeks	Content	Learning Outcomes	Domain			MIT's	Hours	Assesment	No of Items
				C	P	A				
TOPIC: INTRODUCTION TO PATHOPHYSIOLOGY										
1	Week-1	Definition	Define Pathology & Pathophysiology	C2			Interactive Lecture/SGD	2	MCQ's	5
2		Pathophysiology and other biomedical sciences	Differentiate among Pathophysiology and other biomedical sciences	C2						
3		environmental factors	Discuss environmental factors producing changes in normal physiological processes of human body	C2						
4	Week-2	disease and its development	Discuss the basic concepts of disease and its development	C2			Interactive Lecture/SGD	2	MCQ's	5
5		prevalence, etiology, pathogenesis, manifestation, outcomes	Discuss each of 5-components of a disease	C2						
6		Practical	Observe and interpret science phenomenon in a pathology lab			P4		Demo	0.5	
7	Maintain professional norms while observing/interpreting science phenomenon in a pathology lab					A	Role Play			
TOPIC: MECHANISM OF INFECTION & INFLAMMATION										
8	Week-3	infectious diseases	Describe stages of an infectious disease after the point at which potential pathogen enters body	C2			Interactive Lecture/SGD	2	MCQ's	5
9			Enlist the systemic manifestation of infectious diseases	C2						
10		inflammation	Discuss the purpose of inflammation	C2						
11	Week-4	inflammation	Describe physiological mechanism involved in production of five cardinal signs of inflammation	C2			Interactive Lecture/SGD	2	MCQ's	5
12			Differentiate the hemodynamic and cellular phases of inflammatory response	C4						
13			Differentiate between chronic and acute inflammation	C4						
TOPIC: CELLULAR ADAPTATION & ABERRANT CELL GROWTH										

14	Week-5	normal adaptive processes	Discuss changes in cell structure and function that occur as a result of normal adaptive processes	C2			Interactive Lecture/SGD	2	MCQ's	5
15		cellular changes	Describe cellular changes that occur with Atrophy, Hypertrophy, Hyperplasia, Metaplasia and dysplasia and general conditions under which these changes occur	C2						
16		neoplastic growth	Differentiate the neoplastic growth from normal adaptive changes	C4						
17	Week-6	tumors	Differentiate between malignant and benign tumors	C4			Interactive Lecture/SGD	2	MCQ's	5
18		cancer staging	Discuss Tumor, Nodes, Metastasis for cancer staging	C2						
19	Week-7	Proto and Anti-oncogene	Discuss role of Proto and Anti-oncogene to transform normal cell line to cancer cell line (Carcinogenesis)	C2			Interactive Lecture/SGD	2	MCQ's	5
20		aberrant cell growth	Discuss the predisposing factors of aberrant cell growth	C2						
21		cancer cells	Enlist the characteristics of cancer cells	C1						
TOPIC: TRAUMA & CELL INJURY										
22	Week-8	trauma	Discuss trauma	C2			Interactive Lecture/SGD	2	MCQ's	5
23		cell injury	Explain the process of cell injury	C2						
24		reversible & irreversible	Discuss reversible & irreversible cell injury	C2						
25		Hyoxic, Free Radical, Chemical, Physical, Nutritional	Describe the mechanisms of cell injury	C2						
26	Week-9	cell death	Discuss cell death and its mechanisms	C2			Interactive Lecture/SGD	2	MCQ's	5
27		necrosis	Explain the types of necrosis	C2						
28		apoptosis	Discuss apoptosis	C2						
29			Explain the mechanism and significance of apoptosis	C2						
30		Practical	Observe and interpret cell adaptation slides		P1					
31	Maintain professional norms while observing and interpreting cell adaptation slides				A	Role Play				
TOPIC: HOMEOSTASIS IMBALANCES & ACID BASE IMBALANCE										

32	Week-10	movement of fluid and electrolyte	Review the physiological mechanism responsible for the movement of fluid and electrolyte Between Intra Cellular Fluid (ICF) & Extra Cellular Fluid (ECF)	C2			Interactive Lecture/SGD	2	MCQ's	5
33			Review the physiological mechanism responsible for the movement of fluid and electrolyte Between Intravascular & interstitial.	C2						
34		Starling's Hypothesis	Discuss the Starling's Hypothesis to describe the movement of fluid across the capillary wall	C2						
35	Week-11	electrolyte imbalance	Classify fluid electrolyte imbalance in terms of Isotonic, Osmotic and Compositional imbalances	C5			Interactive Lecture/SGD	2	MCQ's	5
36		Hypovolemia	Discuss the causes manifestation, and pathophysiology of isotonic imbalance in Hypovolemia	C2						
37		Hypervolemia	Discuss the causes manifestation, and pathophysiology of isotonic imbalance in Hypervolemia.	C2						
38	Week-12	Hyponatremia	Discuss causes, pathophysiology and clinical manifestation of osmotic imbalance in Hyponatremia.	C2			Interactive Lecture/SGD	2	MCQ's	5
39		Hypernatremia	Discuss causes, pathophysiology and clinical manifestation of osmotic imbalance in Hypernatremia.	C2						
40		Hypokalemia	Discuss causes, pathophysiology and manifestations of compositional imbalance in Hypokalemia.	C2						
41		Hyperkalemia	Discuss causes, pathophysiology and manifestations of compositional imbalance in Hyperkalemia.	C2			Interactive Lecture/SGD	2	MCQ's	5
42		Practical	Observe/Interpret Effect of Suspending Red Blood Cell in Different Concentration of Salt Solution		P1		Demo	0.5	Formative Assessment	
43	Follow professional norms while observing effect of suspending RBCs in Different Salt Solution				A	Role Play				
44	Week-13	acid base balance	Review the physiological mechanism responsible to regulate acid base balance in the body i.e. Buffers (phosphate, hemoglobin, carbonate), Renal mechanism and Respiratory mechanism	C2			Interactive Lecture/SGD	2	MCQ's	5
45		Respiratory Acidosis and Alkalosis	Classify acid base imbalance in terms of Respiratory Acidosis and Alkalosis	C5						
46		Metabolic Acidosis and Alkalosis	Classify acid base imbalance in terms of Metabolic Acidosis and Alkalosis	C5						
47		ABGs	Interpret arterial blood gases (ABGs) to identify four types of acid base imbalance	C4						
48		Respiratory Acidosis and Alkalosis	Discuss causes, pathophysiology and clinical manifestation of Respiratory Acidosis and Alkalosis	C2						
49		Metabolic Acidosis and Alkalosis	Discuss causes, pathophysiology and clinical manifestation of Metabolic Acidosis and Alkalosis	C2						

50	Week-14	immune response	Review the concepts and components of immune response of immune response	C2			Interactive Lecture/SGD	2	MCQ's	5
51		immunity	Differentiate between Humoral versus Cell mediated immunity	C4						
52		antigen	Explain antigen processing presentation and recognition	C2						
53		hypersensitivity	Discuss immediate and delayed hypersensitivity	C2						
54	Week-15	AIDS	Discuss causes, pathophysiology and manifestations of AIDS as a disorder of immune response	C2			Interactive Lecture/SGD	2	MCQ's	5
55		HIV infection	Discuss the epidemiology, pathogenesis & clinical manifestation of HIV infection	C2						
56	Week-16	Hypersensitivity	Discuss Hypersensitivity (Allergies) as disorders of immune response	C2			Interactive Lecture/SGD	2	MCQ's	5
57			Discuss pathophysiology of different types of hypersensitivity (Type I, II, Type III & Type IV)	C2						

NU-203 HEALTH ASSESSMENT-I 2(1-1)

This course has been designed to have an introduction to the content and skills needed to assess the basic health status of individuals of varying ages. These skills can be applied to nursing care in a wide variety of clinical settings. This course emphasizes history taking and physical examination skills both to evaluate the actual as well as the potential health problems of the patients.

Cognitive Domain

By the end of this subject, students should be able to:

1. **Assess health of an individual by obtaining a complete and systematic health history using interviewing skills properly**
2. **Utilize proper techniques of observation and physical examination in assessing various body systems**
3. **Differentiate normal from abnormal findings during physical examination**
4. **Record and document the findings in an appropriate manner**
5. **Demonstrate an awareness of the need to incorporate health assessment as part of their general nursing practice skills.**
6. **Apply knowledge of growth & development, anatomy, physiology, & psychosocial skills in assessment & analysis of data collected.**

Skills Domain

By the end of this subject, students should be able to:

1. **Demonstrate ability to perform physical examination techniques.**
2. **Demonstrate ability to History of patient.**
3. **Perform general survey of the patients.**
4. **Demonstrate assessment of the skin, head & neck.**
5. **Demonstrate assessment of the Nose, mouth & Pharynx.**
6. **Demonstrate assessment of the abdomen anus and rectum**
7. **Demonstrate assessment of the Breast axilla & genitalia.**

Affective Domain

By the end of this subject, students should be able to:

1. **Follow the specified norms of the IL, SGD teaching & learning.**
2. **Demonstrate the humbleness and use the socially acceptable language during academic and social interactions with human models, colleagues and teachers.**
3. **Demonstrate ethically competent decisions when confronted with an ethical, social or moral problem related to professional or personal life.**

TOS - NU-203 HEALTH ASSESSMENT-I 2(1-1)

S.No	Weeks	Content	Learning Outcomes	Domain			MIT's	Hours	Assesment	No of Items	
				C	P	A					
TOPIC: INTRODUCTION TO HEALTH ASSESSMENT CONCEPTS											
1	Week-1	health assessment	Discuss the need for health assessment in general nursing practice.	C2			Interactive Lecture/SGD	1	MCQ's	5	
2		concepts	Explain the concepts of health, assessment, data collection, and diagnosis	C2							
3		types	Identify types of health assessments	C1							
4		document	Understand to document health assessment data using a problem oriented approach	C1							
5		general survey	Explain the components of general survey during physical examination	C2							
6		Practical		Perform general survey of a patient visiting a hospital setting		P4		Demo	2	OPSE	5
7				Follow the professional norms while performing the general survey of a client			A	Role Play		Formative Assessment	
TOPIC: INTERVIEWING SKILLS AND HEALTH HISTORY											
8	Week-2	purpose, process & principles	Explain the purpose, process & principles of interviewing	C2			Interactive Lecture/SGD	1	MCQ's	5	
9		content and format	Describe the content and format used to obtain a health history	C2							
10		investigating findings positive	Discuss the process of investigating positive findings during the health history	C2							
11		history	Use to practice obtaining and recording a client health history	C3							
12		therapeutic skills	Use to practice utilizing therapeutic skills with a learner's partner	C3							
13		strengths/ weaknesses	Evaluate strengths/ weaknesses via observation of a videotaped interaction & self/peer analysis	C6							
14		Practical		Demonstrate to interview or to take history of a patient in clinical setting		P4		Demo	2	OPSE	5
15				Follow the professional norms while taking health history of the patient			A	Role Play		Formative Assessment	

TOPIC: INTRODUCTION TO PHYSICAL EXAMINATION											
16	Week-3	principles	Identify the general principles of conducting an examination	C1			Interactive Lecture/SGD	1	MCQ's	5	
17		equipment	Identify the equipment needed to perform a physical examination	C1							
18		inspection and palpation technique	Describe appropriate use of inspection and palpation technique during physical examination	C2							
19		Practical		Demonstrate appropriate techniques of inspection and palpation on a patient or dummy		P4		Demo	2		OPSE
20				Maintain the proper norms while inspecting and palpating a client for his/her health findings			A	Role Play			Formative Assessment
TOPIC: INTRODUCTION TO PHYSICAL EXAMINATION											
21	Week-4	physical examination and assessment.	Discuss Percussion as a technique of physical examination and assessment.	C2			Interactive Lecture/SGD	1	MCQ's	5	
22		percussion	Describe the appropriate use percussion during physical examination	C2							
23		procedure & sequence	Discuss the procedure & sequence for performing a general assessment of a client	C2							
24		percussion sounds	Enlist some of the percussion sounds on examination	C1							
25		Practical		Perform percussion as one of the technique of assessment for eliciting various body sounds		P4		Demo	2		OPSE
26				Follow ethical standards while doing percussion on patient body during physical examination			A	Role Play			Formative Assessment
27	Week-5	examination and assessment	Discuss auscultation as a technique of physical examination and assessment	C2			Interactive Lecture/SGD	1	MCQ's	5	
28		auscultation	Describe the appropriate use auscultation during physical examination	C2							
29		Practical		Perform auscultation as one of the technique of assessment for listening various body sounds		P4		Demo	2		OPSE
30				Follow ethical standards while doing auscultation on patient body during physical assessment			A	Role Play			Formative Assessment

31	Week-6	Documenting	Discuss the guidelines for documenting physical examination	C2			Interactive Lecture/SGD	1	MCQ's	5
32			Practice to document the PE findings of patients in PE documentation sheet on an ongoing basis	C3						
33		Practical	Perform techniques of assessment including inspection, palpation, percussion and auscultation		P4		Demo	2	OPSE	5
34			Follow the professional norms while following techniques of assessment on client/dummy			A	Role Play		Formative Assessment	
TOPIC: ASSESSMENT OF THE SKIN										
35	Week-7	history	Describe component of health history that should be elicited during assessment of skin	C2			Interactive Lecture/SGD	1	MCQ's	5
36		specific assessment	Discuss specific assessments to be made during physical examination of skin	C2						
37		Document	Practice to document findings of assessments made during physical examination of skin	C3						
38		age related changes	Discuss age related changes & differences in assessment findings of the skin	C2						
39		Practical	Perform physical examination of the Skin		P4		Demo	2	OPSE	5
40			Follow the ethical considerations during skin assessment			A	Role Play		Formative Assessment	
TOPIC: ASSESSMENT OF THE HEAD										
41	Week-8	history	Describe component of health history that should be elicited during assessment of head	C2			Interactive Lecture/SGD	1	MCQ's	5
42		specific assessment	Discuss specific assessments to be made during physical examination of head	C2						
43		Document	Document findings of assessments made during physical examination of head	C3						
44		age related changes	Discuss age related changes & differences in assessment findings of the head	C2						
45		Practical	Demonstrate physical examination of head		P4		Demo	2	OPSE	5
46			Maintain the ethical consideration while having an examination of the head of a client			A	Role Play		Formative Assessment	
TOPIC: ASSESSMENT OF THE NECK										

47	Week-9	history	Describe component of health history that should be elicited during assessment of neck	C2			Interactive Lecture/SGD	1	MCQ's	5
48		structural landmarks	Discuss specific assessments to be made during physical examination of neck	C2						
49		specific assessment	Practice to document findings of assessments made during physical examination of neck	C3						
50		assessments	Discuss age related changes & differences in assessment findings of the neck	C2						
51		Practical		Perform physical examination of the neck		P4		Demo	2	OPSE
52			Follow the ethical considerations during neck assessment			A	Role Play	Formative Assessment		
TOPIC: ASSESSMENT OF NOSE										
53	Week-10	history	Describe component of health history elicited during assessment of nose	C2			Interactive Lecture/SGD	1	MCQ's	5
54		structural landmarks	Identify the structural landmarks of the nose	C1						
55		specific assessment	Describe specific assessments to be made during assessment of nose	C2						
56		assessments	Use to document findings of assessments made during examination of nose	C3						
57		Practical		Demonstrate physical examination of nose		P4		Demo	2	OPSE
58			Follow the ethical standards and considerations during nose assessment			A	Role Play	Formative Assessment		
TOPIC: ASSESSMENT OF MOUTH										
59	Week-11	history	Describe component of health history elicited during assessment of mouth	C2			Interactive Lecture/SGD	1	MCQ's	5
60		structural landmarks	Identify the structural landmarks of the mouth	C1						
61		specific assessment	Describe specific assessments to be made during assessment of mouth	C2						
62		assessments	Practice to document findings of assessments made during examination of mouth	C3						
63		Practical		Demonstrate physical examination of mouth		P4		Demo	2	OPSE
64			Follow the ethical standards and considerations during mouth assessment			A	Role Play	Formative Assessment		

TOPIC: ASSESSMENT OF PHARYNX											
65	Week-12	history	Describe component of health history elicited during assessment of pharynx	C2			Interactive Lecture/SGD	1	MCQ's	5	
66		structural landmarks	Identify the structural landmarks of the pharynx	C1							
67		specific assessment	Describe specific assessments to be made during assessment of pharynx	C2							
68		assessments	Practice to document findings of assessments made during examination of pharynx	C3							
69		Practical		Demonstrate physical examination of pharynx		P4		Demo	2	OPSE	5
70			Follow the ethical standards and considerations during pharynx assessment			A	Role Play	Formative Assessment			
TOPIC: ASSESSMENT OF THE ABDOMEN											
71	Week-13	specific assessment	Describe the specific assessment to be made during the physical examination of the abdomen	C2			Interactive Lecture/SGD	1	MCQ's	5	
72		assessments	Practice to document findings of assessments during physical examination of Abdomen	C3							
73		characteristics of aging process	Enlist the changes in abdomen that are characteristics of aging process	C1							
74		Practical		Perform the abdominal examination of a client admitted into the hospital with GI problems		P4		Demo	2	OPSE	5
75				Follow the ethical standards and considerations during abdominal assessment			A	Role Play		Formative Assessment	
TOPIC: ASSESSMENT OF THE ANUS & RECTUM											

76	Week-14	history	Discuss health history questions necessary to perform assessment of anus/ and rectum	C2			Interactive Lecture/SGD	1	MCQ's	5
77		specific assessment	Describe the specific assessment to be made during the physical examination of anus/rectum	C2						
78		components	Discuss components of a rectal examination	C2						
79		assessments	Document findings of assessments during physical examination of anus/ and rectum	C3						
80		characteristics of aging process	Enlist the changes in anus and rectum that are characteristics of aging process	C1						
81	Practical		Perform anal and digital rectal examination with proper position and its findings		P4		Demo	2	OPSE	5
82			Follow the professional and ethical norms during anal and digital rectal examination			A	Role Play		Formative Assessment	
TOPIC: ASSESSMENT OF THE BREAST & AXILLA										
83	Week-15	history	Discuss the history questions pertaining to breast and axillary assessment	C2			Interactive Lecture/SGD	1	MCQ's	5
84		specific assessment	Describe specific assessment to be made during the physical examination of breast & axilla	C2						
85		assessments	Use to document findings of assessments during physical examination of Breast and axilla	C3						
86		characteristics of aging	Enlist the changes in breast that are characteristics of aging process	C1						
87		Practical		Perform the breast examination including axillary nodes and interpret findings examination		P4				
88			Follow the professional and ethical norms during breast and axilla examination			A	Role Play	Formative Assessment		
TOPIC: ASSESSMENT OF THE GENITALIA										

89	Week-16	history questions	Discuss the history questions pertaining to male and female Genitalia assessment	C2			Interactive Lecture/SGD	1	MCQ's	5	
90		components exam	Discuss components of a genital exam on a male or female.	C2							
91		history	Review components of a comprehensive reproductive history	C2							
92		assessments	Practice to document findings of assessments during physical examination of Genitalia	C3							
93		aging process	Enlist the changes in male & female genitalia that are characteristics of aging process	C1							
94		Practical		Perform physical assessment of male or female genitalia		P4		Demo	2	OPSE	5
95				Follow the professional and ethical norms during genital examination			A	Role Play		Formative Assessment	

NU-204 PHARMACOLGY-I 2(2-0)

The course emphasizes on knowledge about drugs, their classification, therapeutic effects, anticipated reactions, toxic effects, and abuse. At this level, the emphasis is on application of concepts to patient care situations, including patient assessment, drug dosage calculations and administration, patient and family teaching and documentation of patient responses to specific medications. Major emphasis will be placed on nursing management practices that minimize adverse effects and maximize therapeutic effects for patients, including the role of the nurse in pharmacological research.

Cognitive Domain

By the end of this subject, students should be able to:

1. **Discuss the effects of different drugs on human body for example on gastrointestinal system, genitourinary system and immunology system**
2. **Relate the knowledge of drug with in terms of indication of use which would include disorders of different systems**
3. **Explain the rationale for using a particular drug/s for a patient**
4. **Select appropriate nursing interventions for drugs given in clinical situations**
5. **Impart teaching to the patient/family regarding medications, based on their needs**
6. **Utilize nursing process to evaluate the need for and the effectiveness of the drug/s given to the patients**
7. **Integrate the knowledge of legal and ethical issues in administration of drug**
8. **Incorporate relevant research findings with guidance in development of new drug/s as a foundation for nursing practice**
9. **Incorporate cognitive, interpersonal and technical skill derived from the humanities, natural and behavioral sciences when administering medication to clients, keeping in mind principles of different drugs**
10. **Calculate drug dosage accurately when administering oral and parental medications.**

Affective Domain

By the end of this subject, students should be able to:

1. **Follow the specified norms of the IL, SGD teaching & learning.**
2. **Demonstrate the humbleness and use the socially acceptable language during academic and social interactions with human models, colleagues and teachers.**
3. **Demonstrate ethically competent decisions when confronted with an ethical, social or moral problem related to professional or personal life.**

TOS - NU-204 PHARMACOLGY-I 2(2-0)

S.No	Weeks	Content	Learning Outcomes	Domain			MIT's	Hours	Assesment	No of Items
				C	P	A				
TOPIC: INTRODUCTION TO PHARMACOLOGY										
1	Week-1	terminologies	Discuss the terminologies related to pharmacology	C2			Interactive Lecture/SGD	2	MCQ's	5
2		history	Discuss the history of pharmacology briefly	C2						
3		purposes	Enlist the purposes of medication	C1						
4	Week-2	source	Identify the source of medication	C1			Interactive Lecture/SGD	2	MCQ's	5
5		classification	Describe the classification of drugs	C2						
6		drug supply system	Explain the three type of drug supply system	C2						
7	Week-3	standards and legislation	Discuss the drugs standards and legislation	C2			Interactive Lecture/SGD	2	MCQ's	5
8		drug information	Identify resource to collect and utilize drug information	C1						
9		drugs cards	Use to prepare drugs cards	C3						
TOPIC: DRUGS USED TO TREAT AND PREVENT INFECTIONS										
10	Week-4	prevent/treat infections	Define the commonly used antibiotics drug categories that is used to prevent /treat infections	C1			Interactive Lecture/SGD	2	MCQ's	5
11		action and effects	Briefly discuss action and effects of different commonly used antibiotics drugs	C2						
12		antibiotics	Enlist some of the most commonly used antibiotics of each category	C1						
13		nursing measures/patient education	Discuss the nursing measures/patient education which can be taken if patient is using to treat and prevent infections with the use of antibiotics	C2						

14	Week-5	prevent/treat infections	Define the commonly used antifungal drug categories that is used to prevent /treat infections	C1		Interactive Lecture/SGD	2	MCQ's	5
15		action and effects	Briefly discuss action and effects of commonly used antifungal drugs	C2					
16		antifungal drugs	Enlist some of the most commonly used antifungal drugs	C1					
17		nursing measures/patient education	Discuss the nursing measures/patient education which can be taken if patient is using to treat and prevent infections with the use of antifungal drugs	C2					
18	Week-6	prevent/treat infections	Define the commonly used antiparasitic drugs that is used to prevent and treat infections	C1		Interactive Lecture/SGD	2	MCQ's	5
19		action and effects	Briefly discuss action and effects of commonly used antiparasitic drugs	C2					
20		antiparasitic drugs	Enlist some of the most commonly used antiparasitic drugs	C1					
21		nursing measures/patient education	Discuss the nursing measures/patient education which can be taken if patient is using to treat and prevent infections with the use of antiparasitic drugs	C2					
22	Week-7	prevent/treat infections	Define the commonly used antimalarial and antiviral that is used to prevent/treat infections	C1		Interactive Lecture/SGD	2	MCQ's	5
23		action and effects	Briefly discuss action and effects of commonly used antimalarial and antiviral	C2					
24		antimalarial and antiviral	Enlist some of the most commonly used antimalarial and antiviral	C1					
25		nursing measures/patient education	Discuss the nursing measures/patient education which can be taken if patient is using to treat and prevent infections with the use of antimalarial and antiviral	C2					
TOPIC: DRUGS AFFECTING THE GASTROINTESTINAL SYSTEM									
26	Week-8	symptoms / disorders	Discuss common symptoms / disorders for which gastrointestinal drugs are used	C2		Interactive Lecture/SGD	2	MCQ's	5
27		effects	Describe uses and effects of gastrointestinal drugs	C2					
28	Week-9	gastrointestinal drugs	Explain the classification and action of gastrointestinal drugs on the body	C2		Interactive Lecture/SGD	2	MCQ's	5
29		adverse reactions	Identify the expected and adverse reactions of gastrointestinal drugs	C1					
30	Week-10	nursing responsibility	Discuss the nursing responsibility related to gastrointestinal drugs	C2		Interactive Lecture/SGD	2	MCQ's	5
31		drugs dosage	Practice to calculate the drugs dosage accurately for the drugs used in gastrointestinal disorders	C3					
TOPIC: DRUGS AFFECTING THE HAEMATOLOGY SYSTEM									

32	Week-11	effects	Describe uses and effects of drugs affecting Haematology system	C2			Interactive Lecture/SGD	2	MCQ's	5
33		classification	Explain the classification of drugs used in hematology disorders	C2						
34	Week-12	Haematology drugs	Discuss the action of Haematology drugs on the body	C2			Interactive Lecture/SGD	2	MCQ's	5
35		adverse reactions	Identify the expected and adverse reactions of drugs affecting haematology system	C1						
36	Week-13	nursing responsibility	Discuss the nursing responsibility related to drugs affecting haematology system	C2			Interactive Lecture/SGD	2	MCQ's	5
37		drugs dosage	Practice to calculate the drugs dosage accurately for the drugs used in hematological disorders	C3						
TOPIC: ANTI-NEOPLASTIC-DRUGS										
38	Week-14	effects	Describe uses and effects of anti-neoplastic drugs	C2			Interactive Lecture/SGD	2	MCQ's	5
39		classification	Explain the classification of anti-neoplastic drugs	C2						
40	Week-15	anti-neoplastic drugs	Discuss the action of anti-neoplastic drugs on the body	C2			Interactive Lecture/SGD	2	MCQ's	5
41		adverse reactions	Identify the expected and adverse reactions of anti-neoplastic drugs	C1						
42	Week-16	nursing responsibility	Discuss the nursing responsibility related to anti-neoplastic drugs	C2			Interactive Lecture/SGD	2	MCQ's	5
43		drugs dosage	Use to calculate the drugs dosage accurately for the anti-neoplastic drugs	C3						

NU-205 MATHEMATICS 1(1-0)

This course has been designed to enable the students in order to understand and practice the basic mathematical skills of conversions, ratio, proportions and calculations. Further the course intends to make the students sensitizing towards the accurate application of basic mathematics to medication dosages and their calculations

Cognitive Domain

By the end of this subject, students should be able to:

1. **Solve the different problems of fraction, decimal and percentage by using four fundamental operations of addition, subtraction, multiplication and division.**
2. **Apply the ratio & proportion method to solve word problems**
3. **Discuss and calculate simple drug orders**
4. **Explain SI, Apothecary and Household systems**
5. **Solve the problems based on conversions within the system**

Affective Domain

By the end of this subject, students should be able to:

1. **Follow the specified norms of the IL, SGD teaching & learning.**
2. **Demonstrate the humbleness and use the socially acceptable language during academic and social interactions with human models, colleagues and teachers.**
3. **Demonstrate ethically competent decisions when confronted with an ethical, social or moral problem related to professional or personal life.**

TOS - NU-205 MATHEMATICS 1(1-0)

S.No	Weeks	Content	Learning Outcomes	Domain			MIT's	Hours	Assesment	No of Items
				C	P	A				
TOPIC: BASIC CONCEPTS IN MATHEMATICS										
1	Week-1	fraction and decimal	Discuss the concepts of fraction and decimal with examples	C2			Interactive Lecture/SGD	1	MCQ's	5
2		decimal	Explain division of whole numbers by decimal with practical calculations	C2						
3			Explain division of decimal by whole with practical calculations	C2						
4			Explain of decimal by decimal with practical calculations	C2						
5		percentage	Discuss the meaning of percentage in mathematical calculations	C2						
6	Week-2	fraction	Understand the conversion of percentage to fraction values	C1			Interactive Lecture/SGD	1	MCQ's	5
7		decimals	Practice the conversion of percentage to decimals values	C3						
8		percentage	Practice the conversion of fraction to percentage	C3						
9			Practice the conversion of decimals to percentage	C3						
10	Week-3	percentage	Calculate percentage for different given values	C3			Interactive Lecture/SGD	1	MCQ's	5
11		Practice	Practice to calculate part of a given value	C3						
12			Learn that how to calculate base for a given value	C1						
13		fundamental operations	Apply four fundamental operations on fraction, decimal and percentage	C3						
14		percentage formula	Apply the percentage formula in different word problems	C3						
TOPIC: INTRODUCTION TO RATIO AND PROPORTION										

15	Week-4	ratio and proportion	Discuss ratio and proportion with proper examples	C2			Interactive Lecture/SGD	1	MCQ's	5
16			Differentiate between direct and inverse proportion	C4						
17		Practice	Practice the conversion of ratio to fraction with practical calculations	C3						
18			Practice the conversion of ratio to decimals with practical calculations	C3						
19			Practice the conversion of ratio to percentage with practical calculations	C3						
20	Week-5	Practice	Practice the conversion of ratio to fraction to ratio with practical calculations	C3			Interactive Lecture/SGD	1	MCQ's	5
21			Practice the conversion of ratio to decimal to ratio with practical calculations	C3						
22			Practice the conversion of ratio to percentage to ration with practical calculations	C3						
23		ratio proportion method	Find the value of x by ratio proportion method	C3						
24			Solve word problems related to Ratio and proportion	C3						
TOPIC: INTERPRETING THE LANGUAGE OF PRESCRIPTION										
25	Week-6	Interpret	Interpret various time abbreviations during drug prescriptions by a physician	C4			Interactive Lecture/SGD	1	MCQ's	5
26			Interpret various route abbreviations during drug prescriptions and administration	C4						
27			Interpret various drug abbreviations prescribed by a physician	C4						
28		abbreviations	Discuss the abbreviations of SI System	C2						
29			Discuss the abbreviations of Household System	C2						
30			Discuss the abbreviations of Apothecary System	C2						

31	Week-7	Abbreviations	Discuss the abbreviations of British System	C2		Interactive Lecture/SGD	1	MCQ's	5
32		Conversion	Convert SI weight from one unit to another unit and SI volumes from one unit to another	C2					
33			Convert kilogram to pound and pound to kilogram	C2					
34			Explain the discrepancies that exist in conversions	C2					
35			Solve the simple word problem based on these measurement systems	C3					
TOPIC: DOSAGE MEASUREMENT SYSTEM									
36	Week-8	equivalents	Discuss the equivalents of SI System	C2		Interactive Lecture/SGD	1	MCQ's	5
37			Discuss the equivalents of SI Units of Volume	C2					
38			Discuss the equivalents of SI Units of Weight	C2					
39			Discuss the equivalents of Household system	C2					
40			Discuss the equivalents of Apothecary system	C2					
41	Week-9	Conversion	Discuss the equivalents of British system	C2		Interactive Lecture/SGD	1	MCQ's	5
42			Convert SI weight from one unit to another unit and SI volumes from one unit to another	C2					
43			Convert kilogram to pound and pound to kilogram	C2					
44			Explain the discrepancies that exist in conversions	C2					
45			Solve the simple word problem based on these measurement systems	C3					
TOPIC: BASIC DRUG ABBREVIATIONS AND CONVERSIONS									
46	Week-10	abbreviations and conversions	Understand abbreviations and conversions of basic drugs used in patient management	C1		Interactive Lecture/SGD	1	MCQ's	5
47		equivalents	Employ the equivalents in medication measurements	C4					
48	Week-11	Conversion	Convert the units within the systems	C2		Interactive Lecture/SGD	1	MCQ's	5
49		medication and prescription orders	Describe simple physicians medication and prescription orders	C2					
TOPIC: APPLICATION OF BASIC MATHEMATICS TO MEDICATION DOSAGES									

50	Week-12	dose and dosages	Discuss the basic concepts of dose and dosages	C2			Interactive Lecture/SGD	1	MCQ's	5
51			Discuss some practical examples of calculating a dose or dosages	C2						
52		SI, Household Systems	Discuss the differences between the SI and the Household Systems for weights and volumes	C4						
53	Week-13	SI, British, Household Systems	Demonstrate conversion of the SI, British and Household Systems for selected problems	C3			Interactive Lecture/SGD	1	MCQ's	5
54		fundamental	Compute four fundamental operations on conversion among the system	C4						
TOPIC: CALCULATIONS OF MEDICATION FOR VARIOUS ROUTES										
55	Week-14	Solve word problems	Solve word problems on oral medications by using formula for solid medications	C3			Interactive Lecture/SGD	1	MCQ's	5
56			Solve word problems on oral medications by using formula for liquid medications	C3						
57			Solve word problems on oral medications by using formula for powder medications	C3						
58			Interpret the scale on syringes of 1,3 and 5 ml	C4						
59	Week-15	Calculation	Calculate simple problems for medications administered by subcutaneous injections, (SC)	C3			Interactive Lecture/SGD	1	MCQ's	5
60			Calculate simple problems for medications administered by intramuscular injections, (IM)	C3						
61			Calculate simple problems for medications administered by Intravenous infusions. (IV)	C3						
62			Calculate special types of problems in injection from liquid when Stock is a ratio	C3						
63	Week-16	Calculation	Calculate special types of problems in injection from liquid when Stock is a percentage	C3			Interactive Lecture/SGD	1	MCQ's	5
64			Calculate intravenous infusion rates by using formulae for ml per hour	C3						
65			Calculate intravenous infusion rates by using formulae for drops per minute	C3						

NU-206 ENGLISH-III 2(2-0)

This course has been designed to increase the capacities of students with their reading speed and paragraph development. The course will further enable the learner to summarize the readings with the use of proper grammar and vocabulary. It would also intend to prepare them for writing the accurate nursing objectives in an organized manner. Furthermore the course would focus on writing short applications using language of request.

Cognitive Domain

By the end of this subject, students should be able to:

1. **Read with speed, articles on topics of general/specific interest**
2. **Practice rapid reading with no loss of comprehension**
3. **Identify and overcome some obstacles to faster reading**
4. **Refrain from some bad reading habits such as finger pointing and vocalizing**
5. **Skim to get the main idea that sums up the whole paragraph**
6. **Scan portions of text for specific information**
7. **Enhance general reading speed through over viewing**

Affective Domain

By the end of this subject, students should be able to:

1. **Follow the specified norms of the IL, SGD teaching & learning.**
2. **Demonstrate the humbleness and use the socially acceptable language during academic and social interactions with human models, colleagues and teachers.**
3. **Demonstrate ethically competent decisions when confronted with an ethical, social or moral problem related to professional or personal life.**

TOS - NU-206 ENGLISH-III 2(2-0)

S.No	Weeks	Content	Learning Outcomes	Domain			MIT's	Hours	Assesment	No of Items
				C	P	A				
TOPIC: SPEED READING										
1	Week-1	Reading	Read with speed, articles on topics of general and specific interest	C1			Interactive Lecture/SGD	2	MCQ's	5
2			Practice rapid reading with no loss of comprehension	C3						
3			Identify and overcome some obstacles to faster reading	C1						
4	Week-2	Reading & Skimming	Recognize to refrain from some bad reading habits such as finger pointing and vocalizing	C2			Interactive Lecture/SGD	2	MCQ's	5
5			Skim to get the main idea that sums up the whole paragraph	C2						
6			Practice to scan portions of text for specific information	C3						
7			Express to enhance general reading speed through over viewing	C2						
TOPIC: READING AND SUMMARIZING										
8	Week-3	Summarizing	Skim through a given text to get an overall/global understanding	C2			Interactive Lecture/SGD	2	MCQ's	5
9			Explain that how to read again to get a deeper and more detailed understanding	C2						
10			Discuss to select the main points and jot them down in note form	C2						
11			Convert the main points into complete sentences	C2						
12	Week-4	Sentences structure	Arrange sentences in logical sequence	C5			Interactive Lecture/SGD	2	MCQ's	5
13			Assess for factual errors	C6						
14			Write a fair copy of the shortened version	C2						
TOPIC: PARAGRAPH DEVELOPMENT										

16	Week-5	Writing	Discuss that how to brainstorm ideas in the form of word clusters, mind map or spider gram etc	C2			Interactive Lecture/SGD	2	MCQ's	5
17			Practice free writing	C3						
18			Use pre-writing strategies to write a paragraph outline	C3						
19			Identify the structural components of a paragraph	C1						
20	Week-6	Paragraph Development	Write a topic sentence that states the main idea	C2			Interactive Lecture/SGD	2	MCQ's	5
21			Write supporting details that develop the main idea	C2						
22			Arrange sentences in a logical order	C5						
23	Week-7	Paragraph Development	Use transitions to ensure a smooth flow of ideas	C3			Interactive Lecture/SGD	2	MCQ's	5
24			Restate the main idea effectively in the concluding sentence	C4						
25			Describe a person and / or object, incorporating all the skills learnt in paragraph development	C2						
TOPIC: NURSING OBJECTIVES										
26	Week-8	Guidelines	Discuss and follow general guidelines for writing correct nursing objectives	C2			Interactive Lecture/SGD	2	MCQ's	5
27		purpose	Understand the purpose of writing nursing objectives	C1						
28		objectives and goals	Differentiate between objectives and goals	C4						
29	Week-9	sequence	Write nursing objectives in proper sequence	C2			Interactive Lecture/SGD	2	MCQ's	5
30		action verb	Employ appropriate and measurable action verbs	C3						
31		SMART	Evaluate objectives against the SMART criterion	C6						
TOPIC: GRAMMAR										
32	Week-10	Tenses	Practice to complete sentences, paragraphs using appropriate form of present, past, future tenses	C3			Interactive Lecture/SGD	2	MCQ's	5
33		verb agreement	Practice to maintain subject verb agreement in sentences	C3						
34		word order	Write sentences using the correct word order	C2						

35	Week-11	active & passive	Convert active sentences into passive and vice versa	C4			Interactive Lecture/SGD	2	MCQ's	5
36		direct & indirect	Change direct speech into indirect speech and vice versa	C4						
37	Week-12	tenses	Differentiate between present perfect and past simple	C4			Interactive Lecture/SGD	2	MCQ's	5
38		articles	Use the definite and indefinite articles correctly	C3						
39		preposition	Insert correct prepositions of time and place in sentences	C3						
TOPIC: VOCABULARY										
40	Week-13	dictionary	Use the dictionary with facility	C3			Interactive Lecture/SGD	2	MCQ's	5
41		speech	Identify various parts of speech	C1						
42		root words	Discuss how to enhance the knowledge of root words	C2						
43	Week-14	suffixes and prefixes	Identify some of the common suffixes and prefixes used in medical terminology	C1			Interactive Lecture/SGD	2	MCQ's	5
44		idiomatic phrases	Use some of the idiomatic phrases used to describe physical ailments	C2						
45		idioms	Discuss idioms and phrasal verbs used in general	C3						
TOPIC: WRITING SHORT APPLICATIONS USING LANGUAGE OF REQUEST										
46	Week-15	letters	Write accurate, to the point, clear and courteous letters of request	C2			Interactive Lecture/SGD	2	MCQ's	5
47		application	Discuss and follow the basic pattern purpose, circumstance, actions in writing an application	C2						
48	Week-16	application	Use appropriate salutation in writing an application of request	C3			Interactive Lecture/SGD	2	MCQ's	5
49			Discuss that how to include relevant information in an application of request	C2						
50			Exhibit to convince and persuade the recipient of an application	C3						

Recommended Text Books

ADULT HEALTH NURSING-I

- Brunner, L. S., & Suddarth, D. S. (2005). Text Book of Medical Surgical Nursing (10th Edition). Philadelphia: Lippincott.
- Bardsley, A. (1999). A sense of control. *Nursing Times*, 95 (31) 66-69.
- Brune, B. (July 2001). Deep vein thrombosis prophylaxis: the effectiveness and implications of using below knee or thigh length graduated compression stocking. *Heart and Lung*, 30 (4), 277-284.
- Black, J. M. & Jacobs, E. M. (1993). Medical Surgical Nursing: A psychophysiological approach. (4th.ed.). Philadelphia: W.B.Saunders.
- Edward, S. (2001). Regulation of water, sodium and potassium: Implication for practice. *Nursing Standard*, 15 (22), 36-45.
- Gordon, M. (2004). Nursing Diagnosis: process and application (3rd. Ed.) Philadelphia: Mosby.
- Hayes, D. (2000). Caring for your patient with permanent hemodialysis access. *Nursing*, 30 (3), 41-46.
- Pullen, M. (1999). Nutrition in chron's disease. *Nursing Standard*, 13(27), 49-53.
- Smelter, S. C., & Bare, B. G. (2000). Text book of Medical-Surgical Nursing (9th Ed.). Philadelphia: Lippincott.
- Tortora, G. J. & Grabowski, S. R. (2000). Principles of anatomy and physiology (9th Ed.). New York: John Wiley & sons Inc.
- Whyte, A. (2000). Organ recital. *Nursing Times*, 96 (23), 28-30

PATHOPHYSIOLOGY-I

- Carol, P. M. (2000). Pathophysiology concept of altered health states. Philadelphia: J. B. Lippincott
- Author D. Fluid & electrolyte made incredibly easy. (2002). 2nd Ed). Pennsylvania springhouse.
- Sue, Huether E. (2000). Understanding pathophysiology New York: Mosby.
- Tortora, G. J., & Anagnostakos, N. P. (2000). Principles of anatomy and physiology New York: Harper & Row.
- Wilson, S. A. P & LM. (1997). Clinical concepts of disease processes (5th Ed). Mosby.

HEALTH ASSESSMENT-I

- Bicklay, L. S. (1999). Bates' guide to physical examination and history taking (7th Ed). Philadelphia: J. B. Lippincott.
- Cox, C. H. (1997). Clinical applications of nursing diagnosis (3rd Ed).
- DeGowin, R. L., & Brown, D. D. (2000). Degowin's diagnostic examination (7th Ed.). New York: McGraw-Hill.
- Fuller, J. & Schaller Ayers, J. (2000). Health Assessment: A Nursing approach. (3rd Ed.). Philadelphia: J. B. Lippincott.
- Jarvis, C. (1996). Physical examination & health assessment (2nd Ed). Philadelphia: Saunders.
- McFarland, G. K, et. al. (1997). Nursing diagnosis and intervention planning for patient care chapter 1 & 2 (3rd Ed).
- Munro, J. F., & Campbell, I. W. (2000). Macleod's clinical examination (10th Ed). Edinburgh: Churchill Livingstone.
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