



Course Specifications

Course Title:	Medical- Surgical Nursing 1	
Course Code:	5601314-6	
Program:	Bachelor of Nursing Sciences Program	
Department:	Nursing Practice	
College:	Nursing	
Institution:	Umm Al - Qura University	

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A. Course Identification

1. Credit hours:	6 hours (2 theoretical hours and 4 practical hours)		
2. Course type			
a.	University <input type="checkbox"/>	College <input checked="" type="checkbox"/>	Department <input type="checkbox"/>
b.	Required <input checked="" type="checkbox"/>	Elective <input type="checkbox"/>	Others <input type="checkbox"/>
3. Level/year at which this course is offered:	Third year / First semester		
4. Pre-requisites for this course (if any):	<ul style="list-style-type: none"> ● Fundamentals of nursing 1 and 2. ● Microbiology ● Biochemistry. ● Anatomy and physiology ● Health Assessment. ● Evidence-Based Nursing. 		
5. Co-requisites for this course (if any):	<ul style="list-style-type: none"> ● Clinical aspect of Medical Surgical Nursing I ● Pathology. 		

6. Mode of Instruction (mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1	Traditional classroom (virtual class)	40	40%
2	Blended	-	-
3	E-learning	-	-
4	Distance learning	-	-
5	Other	60	60%

7. Contact Hours (based on academic semester)

No	Activity	Contact Hours
1	Lecture	30
2	Laboratory/Studio	120
3	Tutorial	-
4	Others (specify)	-
	Total	150

B. Course Objectives and Learning Outcomes

1. Course Description

The focus of this course is upon the utilization of nursing process and application of the underlying scientific and behavioral principles relevant to the care of adult individuals. The physical examination will be explored in relation to assessment. The course provides the students with the necessary knowledge, skills and attitude as well as the utilization of self-care concepts in providing different therapeutic nursing modalities for medical-surgical clients and in the operating theatre. Problem solving techniques using the evidence-based nursing intervention are emphasized to meet the health needs of the individuals with respiratory, cardiovascular, Hematological Disorders, and gastrointestinal systems alterations. Health assessment, maintenance of health, prevention of illness, and rehabilitation are the core of this course.

2. Course Main Objective

At the end of this course the students will be able to acquire knowledge, skill and competency to apply nursing care modalities on clients with respiratory, cardiovascular, hematological disorders, and gastrointestinal disorders using nursing process based on critical thinking technique, evidence-based nursing and the principles of rehabilitation.

3. Course Learning Outcomes

CLOs		Aligned-PLOs
1	Knowledge:	
	Body Systems: Respiratory, cardiovascular, haematological and gastrointestinal systems.	
1.1	Identify normal structures and functions of the body systems	
1.2	Outline the pathophysiology of common health problems and the relevant diagnostic procedures	
1.3	Define the clinical alterations associated with health problems and their influencing factors	
1.4	Illustrate the nursing diagnosis from interpretation of patient and clinical data associated with health problems	
1.5	Enumerate the therapeutic medical, surgical and nursing modalities for clients with disorders of these body systems based on underlying scientific and behavioral principles	
2	Skills:	
2.1	Apply principles of safe, evidence-based and ethical nursing care for physical, psychosocial and rehabilitation approaches to health disorders	
2.2	Provide high quality comprehensive nursing care employing the nursing process with critical thinking and attentiveness	
2.3	Demonstrate effective nursing procedural skills in undertaking relevant physiological techniques and measurements: -	
2.4	Provided comprehensive preparation, explanation and support for patients undergoing diagnostic procedures	
2.5	Integrate IT skills to nursing practice and to enhance communication with patients, their families and the healthcare team	
3	Competence:	
3.1	Demonstrate evidence-based nursing care for patients in the clinical settings.	
3.2	Collaborate in achieving effective team work practices through acquired knowledge and appropriate communication skills	
3.3	Perform effective and safe care standards through problem-solving skills and quality management.	
3.4	Demonstrate student leadership capabilities to contribute to the working practices of the multi-disciplinary healthcare team	
3.5	Exhibit respect and responsibility through adherence to the code professional standards of ethical healthcare	

B. Course Content

No	List of Topics	Contact Hours
	Theoretical Part	
1	Unit I Preoperative care Pre and Post-operative nursing care	2
2	Unit II: Nursing Management of Clients with Respiratory Disorders	2

	<ul style="list-style-type: none"> ▪ Diagnostic procedures. ▪ Signs and symptoms, etiology and treatment modalities of respiratory disorders. 	
3	<u>Disorders of the Upper Respiratory Tract:</u> <ul style="list-style-type: none"> ▪ Infection ▪ Obstruction / Trauma. ▪ Malignancies. 	2
4	<u>Disorders of the Lower Respiratory Tract:</u> <ul style="list-style-type: none"> ▪ Cancer of the Lung. ▪ Chest Trauma 	2
5	<ul style="list-style-type: none"> ▪ Pulmonary Vascular Diseases ▪ Obstructive Airway Disease 	2
...6	<u>Unit III:</u> <u>Nursing Management of Clients with Cardiovascular Disorders.</u> Introduction to Cardiovascular Disorders <ul style="list-style-type: none"> ▪ Diagnostic Tests ▪ General signs and symptoms ▪ Etiology. ▪ Treatment modalities 	2
7	<ul style="list-style-type: none"> ▪ Hypertension: ▪ Management of Patients with Coronary Artery Disease ▪ Coronary Atherosclerosis and Angina Pectoris 	2
8	<ul style="list-style-type: none"> ▪ Myocardial Infarction. ▪ Surgical Interventions for Coronary Artery Disease 	2
9	<ul style="list-style-type: none"> ▪ Congestive Heart Failure ▪ Valvular Heart Diseases 	2
10	<u>Unit IV</u> <u>Nursing Management of Clients with Hematological Disorders</u> <ul style="list-style-type: none"> ▪ RBCs Disorders, Anemia. ▪ WBCs Disorders, Leukemia. 	2
11	<ul style="list-style-type: none"> ▪ Platelets Disorders, bleeding. ▪ DVT &Thrombosis 	2
12	<u>Unit V</u> <u>Nursing Management of Clients with Gastrointestinal Disorders</u> <ul style="list-style-type: none"> ▪ Diagnostic procedures ▪ Signs and symptoms, Etiology and treatment modalities of gastrointestinal alterations. ▪ Peptic Ulcer. 	2
13	<ul style="list-style-type: none"> ▪ Hepatitis ▪ Cholecystitis 	2
14	<ul style="list-style-type: none"> ▪ Cancer colon 	2
15	<ul style="list-style-type: none"> ▪ Revision 	2
16	II-Practical part	
17-18	Final written exam	
	<u>Respiratory Care</u> <ul style="list-style-type: none"> - Chest tube care - Use of Incentive Spiro-meter. 	8

	<ul style="list-style-type: none"> - Nasogastric tube insertion - Nasogastric tube removal. 	
	<ul style="list-style-type: none"> - Colostomy care - Bowel irrigation - Oxygen therapy - Pulse Oximetry 	8
	<ul style="list-style-type: none"> - ECG - Care of patient on monitor - Chest physiotherapy - Leg exercises 	8
	<ul style="list-style-type: none"> - Nasogastric tube feeding - Gastric lavage. - Case study 	8
Total		

D. Teaching and Assessment

1. Alignment of Course Learning Outcomes with Teaching Strategies and Assessment Methods

Course Learning Outcomes		Teaching Strategies	Assessment Methods
1	Knowledge:		
1.1	Identify normal structures and functions of the body systems	<ul style="list-style-type: none"> • Lecture • Group discussion • Assignments • Presentation (Through virtual labs for 7 weeks) 	<ul style="list-style-type: none"> - Oral exam - Midterm exam - Final written exam
1.2	Outline the pathophysiology of common health problems and the relevant diagnostic procedures		
1.3	Define the clinical alterations associated with health problems and their influencing factors		
1.4	Illustrate the nursing diagnosis from interpretation of patient and clinical data associated with health problems		
1.5	Enumerate the therapeutic medical, surgical and nursing modalities for clients with disorders of these body systems based on underlying scientific and behavioral principles		
2	Skills:		

Course Learning Outcomes		Teaching Strategies	Assessment Methods
2.1	Apply principles of safe, evidence-based and ethical nursing care for physical, psychosocial and rehabilitation approaches to health disorders		
2.2	Provide high quality comprehensive nursing care employing the nursing process with critical thinking and attentiveness	-Active lectures through (black board)	-Written midterm exam &
2.3	Demonstrate effective nursing procedural skills in undertaking relevant physiological techniques and measurements:-	-Group discussion. -Situational analyses -case report including nursing care plan (concept map) -Use of computer and software.	-Final written - Discussion -Cases study
2.4	Provided comprehensive preparation, explanation and support for patients undergoing diagnostic procedures		
2.5	Integrate IT skills to nursing practice and to enhance communication with patients, their families and the healthcare team		
3	Competence:		
3.1	Demonstrate evidence-based nursing care for patients in the clinical settings.		
3.2	Collaborate in achieving effective team work practices through acquired knowledge and appropriate communication skills		-Methods of assessment of students numerical and communication skills
3.3	Perform effective and safe care standards through problem-solving skills and quality management.	- Virtual Lab demonstration and actual lab remonstration.	-Observation check list
3.4	Demonstrate student leadership capabilities to contribute to the working practices of the multi-disciplinary healthcare team	- Clinical practice and case study. - Group conferences - Student activity	-Oral exam, - written reports -Competency assessment (log book) -Formal Evaluation.
3.5	Exhibit respect and responsibility through adherence to the code professional standards of ethical healthcare		-Final practice - Documenting checklist.

2. Assessment Tasks for Students

#	Assessment task*	Week Due	Percentage of Total Assessment Score
1	Midterm exam	8	15 %
2	Semester Clinical Activities <ul style="list-style-type: none"> Formal clinical evaluation (OSCE) performance assessment 20% Independent assignments and information technology using Documentation Behavior Clinical practice & case studies 60% Student activities 20% 	4 th -14 th Weeks. Through Semester 7 th weeks	25 %
3	Oral exam	6 th	10 %
4	Final practical exam	16	10 %
5	Final theoretical exam	17&18	40 %
6	Total		100%

*Assessment task (i.e., written test, oral test, oral presentation, group project, essay, etc.)

E. Student Academic Counseling and Support

Arrangements for availability of faculty and teaching staff for individual student consultations and academic advice :

Each week all faculty staff are available at their scheduled office hours for student's consultation with regard to academic needs and advices through virtual labs

- Academic office hours: each teacher announces 2 hours per week.
- Academic advisor: each student has one teacher as academic advisor to help students progress in learning and solve any related problem.

Referral system: for those students who are not respond to academic advising and need more help referred to the head of the department

F. Learning Resources and Facilities

1.Learning Resources

Required Textbooks	Smeltzer S. C. and Brenda G. Brunner & Suddarth's. (2013)Textbook of Medical Surgical Nursing. 13 th ed. Lippincotte, London.
	Smeltzer S. C. and Brenda G. Brunner &Suddarth's. Textbook of Medical Surgical Nursing. 12 th ed., Lippincotte, London, 2012
	Brunner and Suddarth's (2010) Textbook of Medical-Surgical Nursing 12th Edition Copyright © by Wolters Kluwer Health / Lippincott Williams & Wilkins.

	Taylor. (2011). Clinical Nursing Skills A Nursing process Approach. 3 rd edition. Pamela Lynn, 1961
Essential References Materials	<ul style="list-style-type: none"> • Lewis, K. et al (2014). Assessment and management of clinical problems. 9th ed. Mosby Co. • Barbara, K. (2013). Workbook for introductory medical-surgical nursing, 11th ed., Lippincott Wilkins & Williams. • Ignatavicius M. and Workman A. Medical-Surgical Nursing: Critical Thinking for Collaborative Care. 11thed. Saunders, USA. 2014. • Kluwer W. (2014); Nursing Drugs Handbook. Philadelphia: J.B. Lippincott com.
Electronic Materials	<ul style="list-style-type: none"> • Data Show • Web Sites. Google .com. • Up-to-date • WWW.Lippincott, Williams & Wilkins. Com • Blackboard
Other Learning Materials	<p>Computer-based programs/CD, professional standards or regulations and software.</p> <p>Computer-based programs, video tapes, CD and video for procedures demonstration. Through blackboard classes. clinical practice at lap and hospital.</p>

2. Facilities Required

Item	Resources
<p>Accommodation (Classrooms, laboratories, demonstration rooms/labs, etc.)</p>	<ul style="list-style-type: none"> • Virtual Class room (capacity of class 60 chairs) need two classes' room for theoretical part. • Medical surgical nursing lab. (10).am & (10) pm. • Class1 (10).am & (10) pm • Class 2 (10) am & (10) pm • Class 3 (10) am & (10) pm • Class 4 (10) am & (10) pm • Class 5 (10) am & (10) pm <p>- El-King Abdel-Aziz hospitals at orthopedic , neurosurgery departments and surgical male and female wards</p> <p>- Actual training at lab at nursing collage</p> <p>- Case study and clinical evaluation through vertical class.</p>
<p>Technology Resources (AV, data show, Smart Board, software, etc.)</p>	<ul style="list-style-type: none"> - Computer. - Software - Data show
<p>Other Resources (Specify, e.g. if specific laboratory equipment is required, list requirements or attach a list)</p>	<p>ECG machines and cardiac monitors are needed in lab. Supplies and colostomy equipment,</p>

G. Course Quality Evaluation

Evaluation Areas/Issues	Evaluators	Evaluation Methods
Effectiveness of teaching and assessment	Students	Confidential completion of standard course evaluation uses direct or indirect questionnaire.

Evaluation areas (e.g., Effectiveness of teaching and assessment, Extent of achievement of course learning outcomes, Quality of learning resources, etc.)

Evaluators (Students, Faculty, Program Leaders, Peer Reviewer, Others (specify))

Assessment Methods (Direct, Indirect)

H. Specification Approval Data

Council / Committee	
Reference No.	
Date	24/9/2020 last updated at 2/12/2020