

(Medical and Surgical Nursing)

Course Catalogue

2020-2021

College	Erbil Polytechnic University	
Department	Nursing	
Module Name	Medical Surgical Nursing	
Module Code	MSN	
Semester	1	
Credit	8	
Module type	Prerequisite	
Weekly hours	5 hr	
Weekly hours (Theory)	(2) hr Class	(4) hr Workload
Weekly hours (Practical)	(3) hr Class	(1.5) hr Workload
Lecturer (Theory)	Ribwar A. Mohammed (Lecturer)	
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Lecturer (Practical)	Farooq Hamza, and Hawmand Mohammed	
Email		

Course Book

Course overview:

This course provides opportunities to develop competencies necessary to meet the needs of individuals throughout the lifespan in a safe, legal, and ethical manner using the nursing process. Emphasis is placed on providing care to individuals undergoing surgery, common alterations in respiratory gastro-intestinal, cardiovascular, and endocrine systems concepts are integrated

Course objective:

At completion of this Level, the associate degree nursing student will be able to:

1. Demonstrate competency in performing basic nursing skills for individuals with common health alterations.
2. Utilize foundational knowledge of the communication process in providing nursing care for clients across the lifespan.
3. Apply foundational knowledge of the nursing process in providing nursing care for clients across the lifespan.
4. Utilize critical thinking skills in formulating a plan of care for clients with common health alterations in a variety of settings.
5. Demonstrate professional behaviours associated with nursing.

Student's obligation

The entire student must attend to the lecture, they must prepare and accomplish all the tasks for this course throughout the academic year. If anyone could not finish his / her tasks or do not attend the lecture will be failed in this subject, otherwise the student must provide a legal document to be exempt from the university role.

Forms of teaching

The Lecture will be delivered through variety of methods as the following:

1. All the lecture will available on the Edmodo.
2. PowerPoint Presentation
3. White Board
4. Some Books
5. Group activity and peer working

Assessment scheme

Breakdown of overall assessment and examination of this course

Assessment	Percent of Final Grade
Attendance and daily Participation (Quiz)	5%
Midterm Exam (Theory + Clinical + Lab)	20%
Report or Presentation (Assignment)	5%
2 nd Midterm Exam (Theory + Clinical + Lab)	20%
Final Exam	60%
Total	100%

Specific learning outcome:

by the End of this course the student will be able to:

Provide care for clients with respiratory, cardiovascular, endocrine, gastrointestinal, musculoskeletal system alterations.

.. Utilize knowledge from the humanities and science in planning the care of

Course Reading List and References:

▪ Key references:

drug book. Be sure to get the latest editions. Here are some suggestions:

Pagana, K. and Pagana, T. Mosby's Manual of Diagnostic and Laboratory Tests. 10th Edition. Mosby: St. Louis. 2011. ISBN: 978-0-323-07405-6

Deglin, Judith, Drug Guide for Nurses, latest edition.

Lilley, et al, Nursing Pharmacology, latest edition. (FROM NUR 104) Nursing 105

Course Packet – Blackboard Nursing 105 Lab Supply Packet Optional:

(strongly recommended) Hogan, Mary Ann, Wany, Daryle, Fluids, Electrolytes and Acid Base Balance

Useful references:

1. Ignatavicius, D. D., & Workman, M. L. (2015). **Medical-Surgical Nursing: Patient-Centered Collaborative Care**. Elsevier Health Sciences.

2. Williams, L. S., & Hopper, P. D. (2015). **Understanding medical surgical nursing**. FA Davis.

3. Linton, A. D. (2015). **Introduction to medical-surgical nursing**. Elsevier Health Sciences.

4. LeMone, P., Burke, K., Dwyer, T., Levett-Jones, T., Moxham, L., Reid-Searl, K., ... & Raymond, D. (2013). **Medical-surgical nursing**. Pearson Higher Education AU.

5. Brunner, L. S. (2010). **Brunner & Suddarth's textbook of medical-surgical nursing** (Vol. 1&2). S. C. C. Smeltzer, B. G. Bare, J. L. Hinkle, & K. H. Cheever (Eds.). Lippincott Williams & Wilkins.

▪ Magazines and review (internet):

- Course topics (Theory)	Week	Learning Outcome
Part I: Introduction to Medical Surgical Nursing.	One	By the end of this lecture student will be able to: Understand the concept of medical and surgical nursing
Part II: Nursing process; definition, objectives, and steps.	Two	Students will be able to: <ol style="list-style-type: none"> 1. Understand to the nursing process. 2. Analysis every single steps of nursing process such as nursing diagnosis, planning, outcome, intervention, and evaluation. 3. Applying every steps of nursing process. 4. Evaluate the care that given to the specific situation
Part III: Nursing management for patients with cardiovascular disorders: - Hypertension	Three	Students will be able to: <ol style="list-style-type: none"> 1. Understand of hypertension. 2. Realize with the different types of hypertension 3. Learn how to manage different types of hypertension. 4. Know nursing intervention for hypertension.
Part III: Nursing management for patients with cardiovascular disorders: - Ischemic heart disease - Myocardial Infraction - Congestive heart failure	Four	Student will be able to: <ol style="list-style-type: none"> 1. Understand of ischemic heart disease and MI. 2. Realize with the different types of ischemic heart disease 3. Learn how to manage different types of ischemic disease. 4. Know nursing intervention for ischemic heart disease.
	Five	Student will be able to: <ol style="list-style-type: none"> 1. Understand of Gastric disorder (GERD).

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<p>Part IV: Nursing management for patients with digestive system diseases</p> <ul style="list-style-type: none"> - GERD 		<p>2. Realize with the different types of Gastric disorder (GERD). 3. Learn how to manage different types of Gastric disorder (GERD). 4. Know nursing intervention for Gastric disorder (GERD).</p>
<p>Part IV: Nursing Care of patient with cancer</p> <ul style="list-style-type: none"> - Definition - Types - Sign and symptoms - Treatment and nursing management for cancer 	<p align="center">Six</p>	<p>Student will be able to:</p> <ol style="list-style-type: none"> 1. Understand of cancer diseases. 2. Realize with the different types of cancer diseases. 3. Learn how to manage different types of cancer diseases. 4. Know nursing intervention for cancer diseases.
<p>Part V: Nursing care for patient with endocrine system disorders.</p> <ul style="list-style-type: none"> - Nursing management for patients with diabetes mellitus 	<p align="center">Seven</p>	<p>Student will be able to:</p> <ol style="list-style-type: none"> 1. Understand of endocrine system disorder (diabetes mellites). 2. Realize with the different types of endocrine system disorder (diabetes mellites). 3. Learn how to manage different types of endocrine system disorder (diabetes mellites). 4. Know nursing intervention for endocrine system disorder (diabetes mellites).
<p>Part V: Nursing care for patient with endocrine system disorders.</p> <ul style="list-style-type: none"> - Hypothyroidism - Hyperthyroidism - 	<p align="center">Eight</p>	<p>Student will be able to:</p> <ol style="list-style-type: none"> 1. Understand of endocrine system disorder (hypothyroidism). 2. Realize with the different types of endocrine system disorder (hypothyroidism). 3. Learn how to manage different types of endocrine system disorder (hypothyroidism). 4. Know nursing intervention for endocrine system disorder (hypothyroidism).
<p>Part V: Nursing care for patient with nervous system disorder</p> <ul style="list-style-type: none"> - CVA - Meningitis - Epilepsy 	<p align="center">Nine</p>	<p>Student will be able to:</p> <ol style="list-style-type: none"> 1. Understand of nervous system disorder (CVA, meningitis, epilepsy). 2. Realize with the different types of nervous system disorder (CVA, meningitis, epilepsy).

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		<p>3. Learn how to manage different types of nervous system disorder (CVA, meningitis, epilepsy).</p> <p>4. Know nursing intervention for nervous system disorder (CVA, meningitis, epilepsy).</p>
<p>Part VI: Nursing management for patients with blood disorder.</p> <ul style="list-style-type: none"> - Anemia and its types - Leukemia 	Ten	<p>Student will be able to:</p> <ol style="list-style-type: none"> 1. Understand of blood disorder (Anaemia and Leukaemia). 2. Realize with the different types of blood disorder (Anaemia and Leukaemia). 3. Learn how to manage different types of blood disorder (Anaemia and Leukaemia). 4. Know nursing intervention for blood disorder (Anaemia and Leukaemia).
<p>Part VI: Nursing care for patients with respiratory disorders</p> <ul style="list-style-type: none"> - Pneumonia - COPD - Asthma 	Eleven	<p>Student will be able to:</p> <ol style="list-style-type: none"> 1. Understand of respiratory disorder (Pneumonia and COPD and asthma). 2. Realize with the different types of respiratory disorder (Pneumonia and COPD and asthma). 3. Learn how to manage different types of respiratory disorder (Pneumonia and COPD and asthma). 4. Know nursing intervention for respiratory disorder (Pneumonia and COPD and asthma).
<p>Part VI: Nursing care for patients with integumentary diseases</p> <ul style="list-style-type: none"> - Assessment integumentary system - Dermatitis - Autoimmune disease 	Twelve	<p>Student will be able to:</p> <ol style="list-style-type: none"> 1. Understand of integumentary disease 2. Realize with the different types of integumentary disease 3. Learn how to manage different types of integumentary disease). 4. Know nursing intervention for integumentary disease
- Practical Topics (If there is any)	Week	Learning Outcome
<p>Patient assessment</p> <ul style="list-style-type: none"> - History taking 	1	<p>By the end of this clinical lecture student will be able to:</p> <ol style="list-style-type: none"> 1. Understand about patient assessment 2. Learn to start history taking 3. Analysing patients' health issue 4. Applying nursing intervention

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<p>Patient assessment</p> <ul style="list-style-type: none"> - History taking - Physical examination 	2	<p>By the end of this clinical lecture student will be able to:</p> <ol style="list-style-type: none"> 1. Understand about patient assessment 2. Learn to start history taking and physical examination 3. Analysing patients' health issue 4. Applying nursing intervention
<p>Patient assessment</p> <ul style="list-style-type: none"> - History taking - Physical examination - General examination 	3	<p>By the end of this clinical lecture student will be able to:</p> <ol style="list-style-type: none"> 1. Understand about patient assessment 2. Learn to start history taking and physical examination and general examination 3. Analysing patients' health issue 4. Applying nursing intervention
<p>Patient assessment</p> <ul style="list-style-type: none"> - History taking - ESG taking - ESG Interpretation 	4	<p>By the end of this clinical lecture student will be able to:</p> <ol style="list-style-type: none"> 1. Understand about patient assessment 2. Learn how to taking history and taking ESG 3. Analysing patients' health issue 4. interpreting ESG 5. Applying nursing intervention
<p>Patient assessment</p> <ul style="list-style-type: none"> - History taking - Nursing care for Nasogastric tube - NG tube feeding 	5	<p>By the end of this clinical lecture student will be able to:</p> <ol style="list-style-type: none"> 1. Understand about patient assessment 2. Learn how to taking history and taking first principles of NG tube preparation 3. Analysing patients' health issue 4. Applying nursing intervention for NG tube.
<p>Nursing assessment for</p> <ul style="list-style-type: none"> - History taking - Gastric lavage 	6	<p>By the end of this clinical lecture student will be able to:</p> <ol style="list-style-type: none"> 1. Understand about patient assessment 2. Learn how to taking history and taking first principles of NG tube preparation 3. Analysing patients' health issue 4. Applying nursing intervention for NG tube. 5. Know how to perform gastric lavage.
<p>Nursing management for</p> <ul style="list-style-type: none"> - History taking - Urinary catheterization (male and female) 	7	<p>By the end of this clinical lecture student will be able to:</p> <ol style="list-style-type: none"> 1. Understand about patient assessment

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		<p>2. Learn how to taking history and taking first principles of urinary catheter preparation</p> <p>3. Analysing patients' health issue</p> <p>4. Applying nursing intervention for urinary catheter</p> <p>5. Know how to perform catheter insertion.</p>
<p>Nursing care for patient with</p> <ul style="list-style-type: none"> - history taking - Blood transfusion - Blood product transfusion 	8	<p>By the end of this clinical lecture student will be able to:</p> <p>1. Understand about patient assessment</p> <p>2. Learn how to taking history and taking first principles of blood transfusion preparation</p> <p>3. Analysing patients' health issue</p> <p>4. Applying nursing intervention for blood transfusion</p> <p>5. Know how to perform blood transfusion.</p>
<p>Nursing management for patient with respiratory problem</p> <ul style="list-style-type: none"> - History taking - Nebulizer - Oxygen therapy 	9	<p>By the end of this clinical lecture student will be able to:</p> <p>1. Understand about patient assessment</p> <p>2. Learn how to taking history and taking first principles of NG tube preparation</p> <p>3. Analysing patients' health issue</p> <p>4. Applying nursing intervention for nebulizer and oxygen therapy.</p> <p>5. Know how to perform nebulizer and given oxygen.</p>
<p>Nursing care for</p> <ul style="list-style-type: none"> - History taking - Diabetic patient 	10	<p>By the end of this clinical lecture student will be able to:</p> <p>1. Understand about patient assessment</p> <p>2. Learn how to taking history and taking first principles of diabetic patient management.</p> <p>3. Analysing patients' health issue</p> <p>4. Applying nursing intervention for diabetic patient.</p>
<p>Nursing care for</p> <ul style="list-style-type: none"> - History taking - Eye irrigation - Ear irrigation 	11	<p>By the end of this clinical lecture student will be able to:</p> <p>1. Understand about patient assessment</p> <p>2. Learn how to taking history and taking first principles of eye and ear irrigation preparation equipment.</p>

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		3. Analysing patients' health issue 4. Applying nursing intervention for eye and ear irrigation Know how to perform eye and ear irrigation.
Nursing care for <ul style="list-style-type: none">- History taking- Patient with CVA	12	By the end of this clinical lecture student will be able to: 1. Understand about patient assessment 2. Learn how to taking history and taking first principles of CVA patient management preparation 3. Analysing patients' health issue 4. Applying nursing intervention for patients with CVA.

- Examinations (question design):

1. Myocardial infarction is caused by reduced blood flow in a coronary artery due to _____ and occlusion of an artery by _____.
2. _____ Abdomen eventually becomes markedly distended; loops of colon become visibly outlined through the abdominal wall.

Q2: Putting the character in the Column B, in front of Column A: (15 Marks)

Column A

Volvulus: twisted bowel

Major cause of blindness

Acute cholecystitis

Q: A. Put true and False in front the below statements

1. Chronic cholecystitis usually associated with gallstone formation.
2. Cerebral vascular accident is one of potential complication essential hypertension.

Q: Answer the following question.

1. Enumerate, and briefly discuss nursing care plan, and intervention for patient with Anemia?
2. Explain Dietary management of the GERD?
3. How to instruct the patient with Asthma?

Q: Case Scenario:

50-year-old male patient presented to the emergency department at 2 AM with vomiting and abdominal pain. He had a 2-week history of polyuria and polydipsia, accompanied by a 10-kilogram of added to his weight, and blurred vision. His medical history was unremarkable, except for being treated for hypertension with amlodipine 10 mg daily, which provided good control. (His blood pressure on admission was 135/80.) Results of hospital laboratory studies revealed that the patient's initial blood glucose level was 1192 mg/dL. Diagnosed with Diabetes Mellitus.

intervention for this patient?

External Evaluator

This course book has reviewed and signed by a peer. As their name and titles mentioned below:

Assistant Lecturer
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