

**(Medical and Surgical Nursing)
Course Catalogue
2022-2023**

College	Erbil Polytechnic University Koya Technical Institute/ Taqtaq Morning	
Department	Nursing	
Module Name	Medical Surgical Nursing	
Module Code	MSN	
Semester	4	
Credit	6	
Module type	core	
Weekly hours	4 hr	
Weekly hours (Theory)	(2)hr Class	(4)hr Workload
Weekly hours (Practical)	(2)hr Class	(1)hr Workload
Lecturer (Theory)	Karez Namiq Kakarash	
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Lecturer (Practical)	Omed Yassin Abdulqadir	
Email		

Course Book

- **Course overview:**

The aim of this course is to improve nurses' awareness of nursing care for surgical patients who need special treatment. It is based on the previous course. In this section of medical and surgical nursing, topics like rehabilitation, self-care, patient involvement in treatment, and patient education will be discussed. Also, peri-operative care organization for surgical patients, from admission to discharge, as well as induction of improvements as part of surgical patient service growth. These subjects will be explored further in workshops and assignments.

- **Course objective:**

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

1. Understands the operation's implications for the patient and his or her family.
2. Understands the effects of being diagnosed with a severe and acute illness and having to deal with it on the patient and his or her family.
3. To maintain patient safety, knows, analyzes, and employs work processes and procedures.
4. Can identify the philosophy of evidence-based knowledge, understand where to find clinical recommendations, and how to apply them to the benefit of patients.
5. Has the expertise and skills to use informatics to disseminate information, use and work with knowledge, reduce the risk of errors, and make decisions.
6. May improve work quality and reforms using data and evidence-based information
7. Knows how to recognize, assess, evaluate, and treat typical surgical symptoms.

- **Student's obligation**

1. The student is expected to attend class, laboratory sessions, and clinical.
2. The student is expected to be prepared for classroom, laboratory activities, and clinical.
3. The student is expected to complete all written assignments as directed by the instructor.
4. The student is expected to meet course outcomes.

- **Forms of teaching**

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

1. All the lecture will available on the Moodle.
2. PowerPoint Presentation
3. White Board

4. Some Books

5. Group activity and peer working

- **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:

1. Berman, A., Snyder, S., & Frandsen, G. (2016). Kozier & Erb's Fundamentals of Nursing: concepts process and practice (10th ed.). Hoboken: Pearson.
 2. Deglin, J. & Vallerand, A. (2017). Davis's Drug Guide for Nurses (15th ed.). Philadelphia: F.A. Davis.
 3. Lewis, S., Dirksen, S., Heitkemper, M., & Bucher, L. (2017). Medical-Surgical Nursing: Assessment and Management of Clinical Problems (10th ed.). St. Louis: Elsevier, Mosby.
 4. Lewis, S., Dirksen, S., Heitkemper, M., & Bucher, L. (2017). Adaptive Quizzing. Course ID: 157429_mdelossantos34_1002
 5. Pagana, K. & Pagana, T. (2014). Mosby's Manual of Diagnostic and Laboratory Tests (5th ed.). St. Louis: Elsevier, Mosby.
 6. Perry, A. & Potter, P. (2017). Clinical Nursing Skills & Techniques (9th ed.). St. Louis: Mosby: Elsevier.
 7. Venes, D. & Fenton, B. (2017). Taber's Cyclopedic Medical Dictionary. (23rd ed.). Philadelphia, PA: F.A. Davis Company.
- Magazines and review (internet):

- Course topics (Theory)	Week	Learning Outcome
Part I: Nursing care for patients having surgery	One	By the end of this lecture student will be able to:

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<ol style="list-style-type: none"> 1. Preoperative nursing care 2. Intra operative nursing care 3. Post-operative nursing care 		<p>Understand the concept of surgical nursing, and have advance knowledge regarding peri-operative, intraoperative and post operative.</p>
<p>Nursing care for patients with peritonitis</p>	<p align="center">Two</p>	<p>Students will be able to:</p> <ol style="list-style-type: none"> 1. Understand to the concept of peritonitis. 2. Analysis the aetiology, pathophysiology of peritonitis. 3. Understand about nursing care for peritonitis. 4. Knowledge about surgical care for peritonitis.
<p>Nursing care for patients with hernia</p>	<p align="center">Three</p>	<p>Students will be able to:</p> <ol style="list-style-type: none"> 1. Understand of hernia. 2. Realize with the different types of hernia. 3. Learn how to manage different types of hernia. 4. Know nursing intervention for hernia.
<p>Nursing care for patients with pancreatitis</p>	<p align="center">Four</p>	<p>Student will be able to:</p> <ol style="list-style-type: none"> 1. Understand of pancreatitis. 2. Realize with the different types pancreatitis. 3. Learn how to manage pancreatitis. 4. Know nursing intervention for pancreatitis.
<p>Nursing care for patients with colostomy</p>	<p align="center">Five</p>	<p>Student will be able to:</p> <ol style="list-style-type: none"> 1. Understand of colon disorder. 2. Realize with the different types of colostomy. 3. Learn how to manage different types of colostomy. 4. Know nursing intervention for colostomy.
<p>Nursing care for patients with appendicitis</p>	<p align="center">Six</p>	<p>Student will be able to:</p> <ol style="list-style-type: none"> 1. Understand of appendix diseases. 2. Realize with the appendicitis diseases. 3. Learn how to manage appendicitis. 4. Know nursing intervention for appendicitis.
		<p>Student will be able to:</p> <ol style="list-style-type: none"> 1. Understand of fracture.

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Nursing care for patients with fracture	Seven	2. Realize with the different types of fracture. 3. Learn how to manage different types of fracture. 4. Know nursing intervention for fracture.
Nursing care for patients with amputation	Eight	Student will be able to: 1. Understand of amputation. 2. Realize with the different types of amputation. 3. Learn how to manage different types of amputation. 4. Know nursing intervention for amputation.
Nursing care for patients with acute nephritis	Nine	Student will be able to: 1. Understand of renal system and acute nephritis. 2. Realize with the different types of acute nephritis. 3. Learn how to manage acute nephritis. 4. Know nursing intervention for acute nephritis.
Nursing care for patients with renal colic	Ten	Student will be able to: 1. Understand of renal colic. 2. Realize with the different types of renal colic. 3. Learn how to manage different types of renal colic. 4. Know nursing intervention for renal colic.
Nursing care for patients with head injury	Eleven	Student will be able to: 1. Understand of head injury. 2. Realize with the different types of head injury. 3. Learn how to manage head injury. 4. Know nursing intervention for head injury.
Nursing care for patients with E.N.T diseases	Twelve	Student will be able to: 1. Understand of ENT diseases. 2. Realize with the different types of ENT diseases. 3. Learn how to manage different types of ENT problems.

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- Practical Topics	Week	Learning Outcome
Hand washing and disinfection in operation room.	1	4. Know nursing intervention for ENT diseases. By the end of this clinical lecture student will be able to: <ol style="list-style-type: none"> 1. Understand about disinfection and hand washing. 2. Learn to start hand washing in operation ward. 3. Analysing different types of hand washing. 4. Applying nursing intervention
Nursing care for patients with operation	2	By the end of this clinical lecture student will be able to: <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
Intravenous fluid infusion	3	By the end of this clinical lecture student will be able to: <ol style="list-style-type: none"> 1. Understand about IV fluid procedure. 2. Learn to start infusion. 3. Analysing patients' health issue 4. Applying nursing intervention
Patient positioning	4	By the end of this clinical lecture student will be able to: <ol style="list-style-type: none"> 1. Understand about patient positioning. 2. Learn how to take patient after surgery and different position. 3. Analysing patient positioning. 5. Applying nursing intervention
Physiotherapy	5	By the end of this clinical lecture student will be able to: <ol style="list-style-type: none"> 1. Understand about physiotherapy 2. Learn how to do physiotherapy for different health issue. 3. Analysing patients' health issue 4. Applying nursing intervention for physiotherapy.
	6	By the end of this clinical lecture student will be able to: <ol style="list-style-type: none"> 1. Understand about bed sore

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Nursing management for bed sore		<p>2. Learn how to manage patients with bed sore.</p> <p>3. Analysing patients' health issue</p> <p>4. Applying nursing intervention for patients with bed sore.</p> <p>5. Know how to perform bed sore prevention.</p>
Help the patient to walk using stick	7	<p>By the end of this clinical lecture student will be able to:</p> <p>1. Understand about patient assessment with walking problems.</p> <p>2. Learn how to help the patient to walk.</p> <p>3. Analysing patients' health issue</p> <p>4. Applying nursing intervention for using stick for walking.</p> <p>5. Know how to use stick for walking.</p>
Nursing management for tracheostomy	8	<p>By the end of this clinical lecture student will be able to:</p> <p>1. Understand about tracheostomy</p> <p>2. Learn how to taking history and taking first principles of tracheostomy.</p> <p>3. Analysing patients' health issue</p> <p>4. Applying nursing intervention for tracheostomy.</p> <p>5. Know how to perform tracheostomy.</p>
Endoscopy for esophagus and gastroscopy	9	<p>By the end of this clinical lecture student will be able to:</p> <p>1. Understand about patient assessment for endoscopy.</p> <p>2. Learn how to taking history and taking first principles of endoscopy preparation.</p> <p>3. Analysing patients' health issue</p> <p>4. Applying nursing intervention for endoscopy for esophagus and gastroscopy.</p> <p>5. Know how to perform endoscopy.</p>
Nursing management for drainage of accumulation fluid	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 patients with drainage procedure.</p> <p>3. Analysing patients' health issue</p>

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		4. Applying nursing intervention for patients having drainage.
Nursing care for patients with airway tube installation	11	By the end of this clinical lecture student will be able to: 1. Understand about patient assessment with airway problem. 2. Learn how to taking history and taking first principles of airway installation preparation equipment. 3. Analysing patients' health issue 4. Applying nursing intervention for airway tube installation. 5. Know how to perform airway tube installation.
Cardiopulmonary resuscitation	12	By the end of this clinical lecture student will be able to: 1. Understand about patient assessment cardiac problem. 2. Learn how to taking history and taking first principles of CPR patient management preparation 3. Analysing patients' health issue 4. Applying nursing intervention for patients with CPR.

- 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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