

**CAREER TECHNOLOGY CENTER OF LACKAWANNA COUNTY
PRACTICAL NURSING PROGRAM**

Course Title: Medical Surgical Nursing I

Unit Title: Gastrointestinal Disorders

Description: This unit presents disorders of the gastrointestinal system and their management

Placement: Level II

Parallel Courses Nursing Skills II/Nutrition/Medical Surgical Units of Cardiovascular Disorders and Musculoskeletal Disorders

Total Hours: 25

Course Outcomes: At the end of the course, the student will:

1. Discuss etiology, incidence, diagnosis, symptoms, medical management and nursing management of the patient with a Gastrointestinal Disorder
2. Utilize the nursing process to prepare and execute a care plan for the patient with a Gastrointestinal Disorder

Unit Outline:

1. Orientation
2. Anatomy and Physiology Review
3. Diagnostic Evaluation
4. Gastrointestinal Decompression and Intubation
5. Functional Disorders
6. Upper Gastrointestinal Disorders
7. Intestinal Disorders
8. Cancer of the Gastrointestinal Tract
9. Intestinal Surgical Procedures
10. Liver Disorders
11. Biliary Disorders
12. Pancreatic Disorders

Requirements: Williams, Linda and Hopper, Paula, Understanding Medical Surgical Nursing with workbook
Davis Drug Guide, Davis Handbook of Laboratory Tests
Ford/Roach, Roach's Introductory Clinical Pharmacology

Evaluation:

Quiz # 1, Quiz # 2, and Roach Pharmacology assignments	25%
Test # 1	25%
Test # 2	25%
Test # 3	25%

Students are responsible to bring a calculator to each test. The use of a cell phone calculator is not prohibited

Instructor: Jill Mathewson, RN, BSN

Date: 8/19

COURSE TITLE: Medical-Surgical Nursing I
UNIT: Gastrointestinal Disorders

STUDENT LEARNING COURSE OUTCOMES	HR	CONTENT	LEARNING RESOURCE AND ACTIVITY	SETTING	EVALUATION
<p>At the end of the Unit, the student will: Identify the course objectives and requirements</p> <p>Describe normal structure and function of the gastrointestinal system</p>	<p>.5</p> <p>1</p>	<p>1. Orientation</p> <p>A. Course outcomes B. Course content C. Evaluation tools</p> <p>2. Anatomy and Physiology Review</p>	<p>Lecture Discussion Powerpoint Vocabulary list (provided) Herlihy: Chapter 23 Williams Chapter 32 Ford/Roach Pharmacology Book Chapters 40, 41</p>	<p>Classroom</p>	<p>Anatomy Quiz Vocabulary Quiz</p>

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Gastrointestinal Disorders**

STUDENT LEARNING COURSE OUTCOMES	HR	CONTENT	LEARNING RESOURCE AND ACTIVITY	SETTING	EVALUATION
<p>At the end of the unit, the student will:</p> <p>Discuss diagnostic evaluation of the patient with a disorder of the gastrointestinal system</p> <p>List normal values of selected blood studies</p> <p>Describe nursing management of the patient undergoing diagnostic evaluation of the gastrointestinal system</p>	4	<p>3. Diagnostic Evaluation</p> <p>A. History and physical exam</p> <p>B. Nursing assessment</p> <p>C. Blood Studies</p> <p>D. X-rays</p> <ol style="list-style-type: none"> 1. Flat plate 2. Barium studies 3. Gall Bladder series 4. Cholangiogram 5. CT Scan 6. Ultrasound 7. Scans <p>E.. Endoscopy</p> <p>F. Biopsy</p> <p>G. Cytology.</p> <p>H. Stool exams</p> <p>I. Gastric Analysis</p>	<p>Williams Chapter 32</p> <p>Normal values for:</p> <ol style="list-style-type: none"> 1. Amylase 2. Alka Phos 3. Ammonia 4. CPK 5. Bilirubin 6. LDH 7. Lipase 8. Protien -Albumin -Globulins 9. SGOT/SGPT 10. Ova and parasites <p>Lecture</p> <p>Discussion</p> <p>Audio-visuals</p>	Classroom	

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STUDENT LEARNING COURSE OUTCOMES	HR	CONTENT	LEARNING RESOURCE AND ACTIVITY	SETTING	EVALUATION
<p>At the end of the unit, the student will:</p> <ul style="list-style-type: none"> Describe types of GI intubation Define methods of GI decompression Discuss indications for GI intubation and decompression Discuss medical management of a patient with GI intubation and decompression Discuss nursing management of a patient with GI intubation and decompression 	2	<p>4. GI Intubation and Decompression</p> <ul style="list-style-type: none"> A. Types of intubation B. Methods of decompression C. Indications D. Nursing management 	<p>Williams Chapter 32</p> <p>Lecture Discussion</p> <p>Audio-visuals</p>	Classroom	
<ul style="list-style-type: none"> Discuss etiology of functional disorders Discuss pathophysiology of functional disorders List signs and symptoms of functional disorders Discuss treatment of a patient with a functional disorder Discuss medical management of a patient with a functional disorder Discuss nursing management of a patient with a functional disorder Discuss nutritional and pharmacological therapy for a patient with a functional disorder 	0.5	<p>5. Functional Disorders</p> <ul style="list-style-type: none"> A. Etiology B. Pathophysiology C. Signs and symptoms D. Treatment E. Medical management F. Nursing management G. Nutritional and Pharmacological therapy 	<p>Williams Chapter 33</p>		<p>Test # 1:</p> <p>Units 2,3,4,5,6</p>

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STUDENT LEARNING COURSE OUTCOMES	HR	CONTENT	LEARNING RESOURCE AND ACTIVITY	SETTING	EVALUATION
<p>At the end of the unit, the student will:</p> <p>Discuss etiology of upper GI disorders</p> <p>Discuss pathophysiology of upper GI disorders</p> <p>List signs and symptoms of upper GI disorders</p> <p>Discuss treatment of upper GI disorders</p> <p>Discuss medical management of the patient with an upper GI disorder</p> <p>Discuss nursing management of the patient with an upper GI disorder</p> <p>Discuss nutritional and pharmacological therapy for the patient with an upper GI disorder</p>	3.5	<p>6. Upper GI Disorders</p> <p>A. Etiology</p> <p>B. Pathophysiology</p> <p>C. Signs and symptoms</p> <p>D. Treatment</p> <p>E. Medical management</p> <p>F. Nursing management</p> <p>G. Nutritional and pharmacological therapy</p>	<p>Williams Chapter 33</p> <p>Lecture</p> <p>Discussion</p> <p>Audio-visuals</p>	Classroom	
<p>Discuss etiology of intestinal disorders</p> <p>Discuss pathophysiology of intestinal disorders</p> <p>List signs and symptoms of intestinal disorders</p> <p>Discuss treatment of the patient with an intestinal disorder</p> <p>Discuss medical management of the patient with an intestinal disorder</p> <p>Discuss nursing management of the patient with an intestinal disorder</p> <p>Discuss nutritional and pharmacological therapy for the patient with an intestinal disorder</p>	3.5	<p>7. Lower GI/Intestinal Disorders</p> <p>A. Etiology</p> <p>B. Pathophysiology</p> <p>C. Signs and symptoms</p> <p>D. Treatment</p> <p>E. Medical management</p> <p>F. Nursing management</p> <p>G. Nutritional and pharmacological therapy</p>	<p>Post-operative Gastrectomy</p> <p>Williams Chapter 34</p>		

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STUDENT LEARNING COURSE OUTCOMES	HR	CONTENT	LEARNING RESOURCE AND ACTIVITY	SETTING	EVALUATION
<p>At the end of the unit, the student will:</p> <p>Discuss etiology of cancer of the GI tract</p> <p>Discuss pathophysiology of cancer of the GI tract</p> <p>List signs and symptoms of cancer of the GI tract</p> <p>Discuss treatment of the patient with cancer of the GI tract</p> <p>Discuss medical management of the patient with cancer of the GI tract</p> <p>Discuss nursing management of the patient with cancer of the GI tract</p> <p>Discuss nutritional and pharmacological therapy of the patient with cancer of the GI tract</p>	1.5	<p>8. Cancer of the GI tract</p> <p>A. Etiology</p> <p>B. Pathophysiology</p> <p>C. Signs and symptoms</p> <p>D. Treatment</p> <p>E. Medical management</p> <p>F. Nursing management</p> <p>G. Nutritional and pharmacological therapy</p>	<p>Williams Chapter 34</p> <p>Lecture Discussion</p> <p>Audio-visuals</p>	Classroom	
<p>List types of intestinal surgical procedures</p> <p>Discuss nursing management of patient undergoing and intestinal surgical procedure</p> <p>Discuss the nutritional and pharmacological therapy of the patient under- going an intestinal surgical procedure</p>	1	<p>9. Intestinal Surgical Procedures</p> <p>A. Types of procedures</p> <p>B. Nursing management</p> <p>C. Nutritional and pharmacological therapy</p>			<p>Test # 2</p> <p>Units 6, 7, 8, 9</p>

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Gastrointestinal Disorders**

STUDENT LEARNING COURSE OUTCOMES	HR	CONTENT	LEARNING RESOURCE AND ACTIVITY	SETTING	EVALUATION
At the end of the unit, the student will: Discuss etiology of liver disorders Discuss pathophysiology of liver disorders List signs and symptoms of liver disorders Discuss treatment of the patient with a liver disorder Discuss medical management of the patient with a liver disorder Discuss nursing management of the patient with a liver disorder Discuss nutritional and pharmacological therapy for the patient with a liver disorder	4.5	10. Liver Disorders A. Etiology B. Pathophysiology C. Signs and symptoms D. Treatment E. Medical management F. Nursing management G. Nutritional and pharmacological therapy	Williams Chapter 35 Lecture Discussion Audio-visuals	Classroom	
Discuss etiology of biliary disorders Discuss pathophysiology of biliary disorders List signs and symptoms of biliary disorders Discuss treatment of the patient with a biliary disorder Discuss medical management of the patient with a biliary disorder Discuss nursing management of the patient with a biliary disorder Discuss nutritional and pharmacological therapy for a patient with a biliary disorder	1.5	11. Biliary Disorders A. Etiology B. Pathophysiology C. Signs and symptoms D. Treatment E. Medical management F. Nursing management G. Nutritional and pharmacological therapy			

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Unit: Gastrointestinal Disorders

STUDENT LEARNING COURSE OUTCOMES	HR	CONTENT	LEARNING RESOURCE AND ACTIVITY	SETTING	EVALUATION
<p>At the end of the unit, the student will:</p> <ul style="list-style-type: none"> Discuss etiology of pancreatic disorders Discuss pathophysiology of pancreatic disorders List signs and symptoms of pancreatic disorders Discuss treatment of the patient with a pancreatic disorder Discuss medical management of the patient with a pancreatic disorder Discuss nursing management of the patient with a pancreatic disorder Discuss nutritional and pharmacological therapy for the patient with a pancreatic disorder 	1.5	<p>12. Pancreatic Disorders</p> <ul style="list-style-type: none"> A. Etiology F. Pathophysiology G. Signs and symptoms D. Treatment E. Medical management F. Nursing management G. Nutritional and pharmacological therapy 	<p>Lecture Discussion Audio-visuals</p>	Classroom	<p>Test # 3: Units 10, 11, 12</p>

References

Books:

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- Carpenito, L. (2016). *Handbook of nursing diagnosis, application in clinical practice* (15th ed). Philadelphia, PA: Lippincott, Williams & Wilkins.
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- Nix, S. (2016). *William's basic nutrition and diet therapy* (15th ed). St. Louis, MO: Elsevier.
- Perry, A., Potter, P., & Ostendorf, W. (2020). *Nursing interventions and clinical skills* (7th ed). St. Louis, MO: Elsevier.
- Van Leeuwen, A., & Bladh, M. (2017). *Davis's comprehensive handbook of laboratory and diagnostic tests with nursing implications* (7th ed). Philadelphia, PA: F.A. Davis.
- Vallerand, A., & Sanoski, C. (2017). *Davis's drug guide for nurses* (15th ed). Philadelphia, PA: F.A. Davis.
- Williams, L., & Hopper, P. (2019). *Understanding medical-surgical nursing* (6th ed). Philadelphia, PA: F.A. Davis.

Other Sources:

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- Valezi, A. C., Herbella, F. A. M., Schlottmann, F., & Patti, M. G. (2018). Gastroesophageal Reflux Disease in Obese Patients. *Journal of Laparoendoscopic & Advanced Surgical Techniques*, 28(8), 949–952.