



Course Outline

2026-2027 Catalog

NSG 36 - Gastrointestinal and Renal/Urinary Nursing

Catalog Description

Transfer Status: CSU

Prerequisite: NSG 18, NSG 21, NSG 22, NSG 23, NSG 24, NSG 28

Corequisite: NSG 31, NSG 32, NSG 35, NSG 37

Unit(s): 2.00

Lecture: 34.00 Contact hours/68.00 Out of class hours/102.00 Total hours/2.00 Unit(s)

Total: 34.00 Contact hours/68.00 Out of class hours/102.00 Total hours/2.00 Unit(s)

Course Description: This course provides the student with the tools to use critical thinking skills in application of knowledge in the pathophysiology and nursing care of clients with disorders of the gastrointestinal and renal/urinary systems. Emphasis will be placed on individualized care and teaching of the client and family will focus on biophysical and rehabilitation needs, as well as cultural and psychosocial influences. A brief review of medications appropriate to each disease process will be integrated into the lecture. Graded only.

Objectives

Upon successful completion of this course, the student should be able to:

1. Describe anatomy and physiology of the gastrointestinal system (including accessory organs), and renal/urinary system.
2. Describe the pathophysiology, symptoms, diagnosis, treatment, and nursing care for clients with disorders of the gastrointestinal/renal/urinary systems.
3. Utilize data-gathering tools to gather information in both paper and electronic medical record, and plan a thorough physical assessment including recognition of abnormal findings in the gastrointestinal/renal/urinary client.
4. Explain the principles of and rationale for diagnostic lab and procedures.
5. Describe the classification, rationale, mode of action, side effects, contraindications, and nursing considerations for medications ordered for gastrointestinal/renal/urinary clients.
6. Define medical terms used in relation to gastrointestinal/renal/urinary clients.
7. Apply concepts of complex nursing care (including preventative and supportive) for gastrointestinal/renal/urinary clients.
8. Demonstrate the ability, using the critical thinking process, to apply didactic knowledge to clinical situations to provide appropriate nursing care of clients various gastrointestinal/renal/urinary disorders.
9. Reinforce teaching plans appropriate to selected gastrointestinal/renal/urinary clients, including social, family, and cultural aspects.
10. Reinforce appropriate nursing diagnoses, then demonstrate the ability to follow and contribute to nursing care plans including measurable goals, nursing interventions, nursing outcomes, and evaluation of care of gastrointestinal/renal/urinary clients.

Course Content

Topic Titles / Suggested Time Topic	
<u>Lecture</u>	
<u>Topics</u>	<u>Lec Hrs</u>
Review of normal anatomy and physiology of the gastrointestinal system, and common disorders	5.00
Disorders of the upper GI tract	3.00
Disorders of the lower GI tract	6.00
Review of normal anatomy and physiology of the accessory organs, including assessment and data collection	3.00
Disorders of the accessory organs	5.00
Review of normal anatomy and physiology of the renal/urinary system, including assessment and data collection	3.00
Disorders of the renal/urinary system	9.00
Total Hours:	34.00

Methods of Instruction

- A. Discussion
- B. Homework: Students are required to complete two hours of outside-of-class homework for each hour of lecture
- C. Lecture
- D. Audio visual aids, and case studies/research studies.

Methods of Evaluation

- A. Exams/Tests
- B. Homework

- C. Class participation
- D. Written Assignments
- E. Class Presentations

Examples of Assignments

Reading Assignments

- 1. Read handouts: Diagnostic Tests (GI client), Endoscopic Procedures, and GI Tubes to prepare yourself prior to your rotation in the GI lab.
- 2. Read the chapter on Assessment of the Urinary System. Apply these concepts to your care of a client with a urinary disorder.

Writing Assignments

- 1. Complete the GI case study. Answer the 10 questions and relate answers to actual clients you have cared for.
- 2. Complete the Accessory Organ Assignment. Complete 2 nursing care plans regarding one of the two scenarios.

Out-of-Class Assignments

- 1. Group Assignment: Review Fluid/Electrolyte/Acid Base Handouts, and complete the assigned worksheet. In your group discuss the importance of monitoring fluid and electrolyte balance with your clients.
- 2. Complete the GI medications worksheet based on one of your past clients.

Recommended Materials of Instruction

Frandsen, G, et. al. (2020). Abrams' Clinical Drug Therapy Rationales for Nursing Practice. *Wolters Kluwer, 12th*. 9781975136130.

Deglin, J., & Vallerand, A. (2023). Davis's Drug Guide for Nurses. *F. A. Davis, 18th*. 9781719646406.

Harding, M. et. al. (2023). Lewis's Medical Surgical Nursing: Assessment and Management of Clinical Problems. *Mosby, 12th*. 9780323792424.

Pagana K. & Pagana, T. (2022). Mosby's Manual of Diagnostic & Laboratory Test. *Mosby, 7th*. 9780323697033.

Venes, D. (2021). Taber's Cyclopedic Medical Dictionary. *F. A. Davis, 24th*. 978171964285-9.

Carpentino-Moyet, L. (2016). Nursing Diagnosis, Application to Clinical Practice. *Lippincott, Williams and Wilkins, 15th*. 9781496338419.

Treas, L. et. al. (2022). Basic Nursing: Thinking, Doing, and Caring. *F. A. Davis, 3rd*. 9781719642071.

Minimum Qualifications

Licensed Vocational Nursing
Nursing Sci/Clinical Practice

Created/Revised by: Bowles, Laurie
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