

**Bergen Community College
Department of Health Professions
Department of Nursing
Course Syllabus**

COURSE TITLE:

Nur 282 – Adult Health Nursing – B

PREREQUISITES:

NUR 181, NUR 182, NUR 183, WRT 101, and BIO 109

CO-REQUISITES: BIO-209, PSY-106, WRT 201

CREDITS/HOURS:

4 Credits; 4-hour Lecture

CLINICAL:

Clinical: 10 hours per week

Clinical Conference: 2 hours per week

COURSE DESCRIPTION:

This course is a second-level course in the nursing sequence which focuses on the health care of individuals and families who have needs related to nutrition and elimination. Students will use the nursing process in a variety of health care settings to assist individuals and families achieve optimum health. This course runs for half the semester concurrently with NUR 281. Students may elect to take either course before the other.

STUDENT LEARNING OUTCOMES:

1. Demonstrate critical thinking via the nursing process for individuals with deficits in Orem's identified Universal self-care requisites (USCRs) of Food and Elimination.
2. Apply nursing care that reflects the developmental capabilities of individuals.
3. Engage in therapeutic and professional communication techniques when interacting with individuals, families, and other health team members.
4. Select nursing activities that support personal, professional, and educational development.
5. Behave in a professional, ethical, and legal manner affecting nursing practice in the current health care environment.
6. Discuss skills in nursing care through the use of a variety of technological resources.
7. Implement pharmacological concepts in the clinical and classroom setting to correctly calculate drug and solution problems. Passes the Semester II, Pharmacological Math Computation Exam (PMCE) with a score of 90% or higher.
8. Creates and implements a teaching plan which meets the educational needs of a client.

MEANS OF ASSESSMENT:

The Student Learning Outcomes are assessed through various means of assessment, including but not limited to the "Suggested Means of Assessment" listed below.

Student Learning Outcome	Means of Assessment
1. Demonstrate critical thinking via the nursing process for individuals with deficits in Orem's identified Universal self-care requisites (USCRs) of Food and Elimination.	Lecture, Testing, ATI, Case studies, topic discussion, writing assignments, class participation/discussion
2. Apply nursing care that reflects the developmental capabilities of individuals.	Lecture, Care plan, Clinical Conference, class participation/discussion
3. Engage in therapeutic and professional communication techniques when interacting with individuals, families, and other health team members.	Lecture, Clinical evaluation, class participation/discussion
4. Select nursing activities that support personal, professional, and educational development.	ATI tutorials, online reading, Lecture, class participation/discussion
5. Behave in a professional, ethical, and legal manner affecting nursing practice in the current health care environment.	Clinical evaluation, clinical conference, lecture
6. Apply skills in nursing care through the use of a variety of technological resources.	ATI, online The Point tutorials, clinical, clinical conference
7. Utilize pharmacological concepts in the clinical and classroom setting to correctly calculate drug and solution problems. Passes the Semester II, Pharmacological Math Computation Exam (PMCE) with a score of 90% or higher.	Testing, clinical, lecture
8. Creates and implements a teaching plan which meets the educational needs of a client.	Teaching Plan

EVALUATION AND GRADING:**A. Theory grade:**

Three-unit tests worth	95%
The average of 2 care plans	<u>5%</u>
Total	100%

A grade of C+ is required for passing theory portion of the course. Only answers on the scantron card will be accepted.

B. Clinical and Clinical Conference Attendance and Absence Policy

- All students will be reminded at the beginning of each clinical experience that they are required to attend ALL clinical laboratory AND clinical conference meetings or be in jeopardy of receiving a failing clinical grade.
- In order to pass clinical, the final grade must reflect a Satisfactory in all areas of the clinical evaluation.

A student who receives an Unsatisfactory in any area will not pass the clinical component and will receive a final grade of "F" in the clinical nursing course regardless of the theory grade. Attendance is a part of the scoring of the clinical grade. In the category regarding professional behaviors, the following rules apply:

Two absences = a make-up assignment which will be developed by the clinical instructor and be equivalent to the clinical hours missed

Three absences = failure of course

Exceptional circumstances for clinical absences may be reviewed by the clinical instructor, team and Program Director at the request of the student.

A student should not call the College to report an absence. Faculty will inform students of the procedure to report an absence for clinical laboratory or conference.

C. Satisfactory demonstration on Foley catheterization skill validation: This includes insertion, removal, and obtaining a closed specimen.

D. Adherence to Nursing Program attendance policy: see (Nursing Student Handbook).

E. In order to pass the course, the student must receive:

Theory grade of C+

Pass the Evaluation of Clinical Performance Pass the Foley Skill Validation

Pass with 90% or greater the Pharmacology Math Computation Exam (PMCE)

A = 89.45 – 100

B+ = 85.45 – 89.44

B = 81.45 – 85.44

C+ = 77.45 – 81.44

C = 73.45 – 77.44

D = 69.45 – 73.44

F = 69.44 and below

Refer to Student Handbook

LEVEL REQUIREMENT:

Passing a Pharmacological Math Computation Exam (PMCE) with a score of 90% is a level requirement. The PMCE is comprised of 10 questions and will be given in the first course of each level. If the student does not attain the required 90% passing grade, he/she will be provided two retake opportunities within the confines of that course. Failure to achieve an 90% in the PMCE will result in an "F" for the course in which the test was administered. Calculators may be used at Level II.

TEXTBOOKS:

All textbooks from previous courses: NUR 181, NUR 182, and NUR 183. NUR 281/282

Hinkle, J., & Cheever, K. (2018). *Brunner & Suddarth's Textbook of Medical-Surgical Nursing* (14th ed.). Philadelphia, PA: Wolters Kluwer.

Mazur, E. (2019). *Lutz's Nutrition and Diet Therapy* (7th ed.). Philadelphia, PA: F.A. Davis.

STUDENT SUPPORT SERVICES

Distance Learning Office – for any problems you may have accessing your online courses	Room C334	201-612-5581 psimms@bergen.edu
English Language Resource Center	Room C212	http://www.bergen.edu/elrc
The Tutoring Center Room	L-125	201-447-7908 http://www.bergen.edu/tutoring
The Writing Center Room	L-125	201-447-7908 http://www.bergen.edu/owl
The Office of Specialized Services (for Students with Disabilities)	Room S-131	201-612-5270 http://www.bergen.edu/oss
BCC Library – Reference Desk	Room L-226	201-447-7436

STATEMENT ON ACCOMMODATIONS FOR DISABILITIES

Bergen Community College aims to create inclusive learning environments where all students have maximum opportunities for success. Any student who feels he or she may need an accommodation based on the impact of a disability should contact the Office of Specialized Services at 201-612-5269 or via email at ossinfo@bergen.edu for assistance.

Additional learning resources available to supplement classroom lecture, reading, discussion, and self-study.

I. The Point Practice and Learn Activities: Student resources - GI/GU

- Chapter 44 Digestive and Gastrointestinal Treatment Modalities
- Chapter 46 Management of Patients With Gastric and Duodenal Disorders
- Chapter 47 Management of Patients With Intestinal and Rectal Disorders
- Chapter 47 Management of Patients With Intestinal and Rectal Disorders
- Chapter 49 Assessment and Management of Patients With Hepatic Disorders
- Chapter 50 Assessment and Management of Patients With Biliary Disorders
- Chapter 51 Assessment and Management of Patients With Diabetes
- Chapter 54 Management of Patients With Kidney Disorders/AKI
- Chapter 54 Management of Patients With Kidney Disorders/CKD
- Chapter 55 Management of Patients With Urinary Disorders

II. ATI (electronic text) Video Case Studies

- Urinary Tract Infections,
- Enteral Nutrition, Nutrition,
- Total Parenteral Nutrition

III. ATI Skills Module

- Central Venous Access Device
- Diabetes Management
- Enteral Tube Feedings
- Nasogastric Intubation
- Nutrition, Feeding, and Eating
- Urinary Catheter Care

IV. ATI Targeted Assessments

- Targeted Medical-Surgical 2016: Gastrointestinal
- Targeted Medical- Surgical 2016: Renal and Urinary

V. Journal Articles: Available on The Point

VI. Nursing Tutorial (NT) are available in the Library. These NCLEX-RN (Judy Miller Tapes) Review streaming video and DVD Discs DVD Disc's are available on the following Topics:

- Test Taking Skills
- Gastrointestinal System
- Genitourinary System

VII. NUR 282 Moodle

Quicktime movies on: Foley catheter insertion, Foley catheter removal, Specimen collection closed technique from a Foley catheter.

COURSE OUTLINE

Theoretical Content

PART I: THE USCR FOR FOOD

UNIT I: THE GASTROINTESTINAL SYSTEM

I. Definition of USCR for food

II. Assessment of Digestive & Gastrointestinal Function

- A. Health history
- B. Physical exam
- C. Diagnostic studies and related nursing responsibilities (i.e. consents, Supportive Educative Nursing Systems for test preparations.) **(SENS)**
 - 1. radiological
 - 2. endoscopy
 - 3. liver biopsy/function
 - 4. blood chemistry

III. Normal Nutrition

- A. Components of the basic food groups
 - 1. proteins
 - 2. CHO
 - 3. fats
 - 4. minerals
 - 5. vitamins
- B. Nutritional Needs of Adults
- C. Nutrient imbalances

IV. Digestive & Gastrointestinal Treatment Modalities

- A. Review assessment
- B. Identification of self-care deficits and related nursing diagnoses
- C. Nursing interventions
- D. Gerontological considerations
- E. Iron Deficiency Anemia
- F. Pernicious Anemia
- G. Supplemental nutrition
 - 1. oral feeding
 - 2. enteral feeding
 - 3. TPN
 - 4. surgery

Teaching/Learning Activities

Prior to the start of this unit, review the anatomy and physiology of the gastrointestinal system.

Read: Assessment course text - Chapter on Nutritional Assessment

Read: Fundamental Text – Chapter on Nutrition

Read: Brunner – Unit: Digestive and Gastrointestinal Function Chapters 43

Read: Lutz– Chapters 1 – 9, 12, 13, 14 and 15

Read: Pharmacology course text – Chapter on Drugs Affecting the Gastrointestinal System

Brunner: Watch & Learn Videos - Chapter 43: Assessment of Digestive and Gastrointestinal Function, Video: Assessing the Abdomen

ATI Skills Module:
Enteral Tube Feedings
Nasogastric Intubation
Nutrition, Feeding, and Eating
Central Venous Access Device

Brunner Chapter 44
Read: Lutz, Chapter 15

ATI (electronic text) Video Case Studies
Enteral Nutrition • Nutrition
Total Parenteral Nutrition • Nutrition

The Point Practice and Learn Activities: Student resources - GI/GU

- Chapter 44: Digestive and Gastrointestinal Treatment Modalities

The Point - Watch & Learn Videos

- Chapter 44: Digestive and Gastrointestinal Treatment Modalities, Video: Nutrition: Inserting a Nasogastric Tube
- Chapter 44: Digestive and Gastrointestinal Treatment Modalities, Video: Nutrition: Administering a Continuous Tube Feeding Using a Feeding Pump and a Prefilled, Closed Tube.

Theoretical Content

UNIT I: THE GASTROINTESTINAL SYSTEM

V. Assessment & Management with Patients with Obesity

- A. Review Pathophysiology, Clinical Manifestations, Diagnostic Studies
- B. Therapeutic/nursing management
 - 1. calorie-restricted diets
 - 2. exercise
 - 3. behavior modification
 - 4. surgery

UNIT II: PROBLEMS OF INGESTION

VI. Management of Patients with Oral & Esophageal Disorders

- I. Dental problems
 - I. Mandibular fractures
- II. Gastroesophageal reflux disease (GERD)
 - A. Clinical manifestations
 - B. Therapeutic management
 - 1. diet
 - 2. drugs
 - C. Nursing Management
- III. Hiatal hernia
 - A. Review Pathophysiology, Clinical Manifestation Diagnostic Studies
 - B. Types
 - C. Therapeutic and nursing management
- IV. Esophageal disorders
- V. Gastrostomy
 - A. Types of tubes
 - B. Feeding
 - C. Skin care
- VI. Food poisoning

UNIT III: PROBLEMS OF DIGESTION

Management of Patients with Gastric & Duodenal Disorders

- I. Nausea and vomiting
 - A. Therapeutic management
 - B. Nutritional management
 - C. Nursing management
- II. Acute gastritis
 - A. Review Pathophysiology, Clinical Manifestation, Diagnostic Studies
 - B. Therapeutic management
 - C. Nursing management
 - D. Nursing management

Teaching/Learning Activities

Read: Brunner, Chapter 48

Read: Brunner, Chapter 45

Read: assessment course text – Assessment of the Abdomen.

Read: Lutz, Chapter 14

Read: Brunner, Chapter 46

Theoretical Content**UNIT IV: PROBLEMS OF INGESTION (Continued)**

- III. Upper GI bleeding
 - A. Origins
 - 1. esophageal
 - 2. stomach/duodenum
 - 3. systemic diseases
 - B. Therapeutic management
 - 1. drugs
 - 2. surgery
 - C. Nursing assessment
 - D. Identification of self-care deficits and related nursing diagnoses
 - E. Nursing interventions

- IV. Peptic ulcers – gastric and duodenal
 - A. Review Pathophysiology, Clinical Manifestation, Diagnostic Studies
 - B. Complications
 - 1. perforation
 - 2. gastric outlet obstruction
 - C. Therapeutic management
 - 1. drugs
 - a) antacids
 - b) H2 receptor antagonists
 - c) anticholinergics
 - 2. surgical management
 - D. Nursing assessment
 - E. Nursing interventions
 - 1. relieve discomfort
 - 2. recognize complications
 - a) dumping syndrome
 - b) postprandial hypoglycemia
 - 3. diet

UNIT V: PROBLEMS OF THE LIVER, BILIARY TRACK AND PANCREAS**Assessment & Management of the Patient with Hepatic Disorders**

- I. Jaundice

- II. Hepatitis
 - A. Types
 - B. Review Pathophysiology, Clinical Manifestation, Diagnostic Studies
 - C. Therapeutic management
 - 1. drugs
 - 2. diet
 - D. Nursing assessment
 - E. Identification of SCD and related NDs

Teaching/Learning Activities

Read: Brunner, Chapter 46

The Point Practice and Learn Activities:

- Chapter 46: Management of Patients With Gastric and Duodenal Disorders, Practice and Learn Interactive Case Studies: Peptic Ulcer

Read: Brunner, Chapter 49

The Point Practice and Learn Activities:

- Chapter 49: Assessment and Management of Patients With Hepatic Disorders

Theoretical Content**UNIT VI: PROBLEMS OF THE LIVER, BILIARY TRACT
AND PANCREAS****A****Assessment & Management with Patients with Biliary
Disorders**

- II. Hepatitis (continued)
 - F. Nursing interventions
 - 1. relieve discomfort
 - 2. skin care
 - 3. rest

- III. Cirrhosis of the liver
 - A. Review of Pathophysiology, Clinical Manifestation, Diagnostic Studies
 - B. Complications
 - 1. ascites
 - 2. esophageal varices
 - 3. hepatic encephalopathy
 - C. Therapeutic management
 - 1. peritoneovenous shunt
 - 2. endoscopic sclerotherapy
 - 3. shunts
 - 4. drugs
 - 5. diet
 - 6. noncompliance
 - D. Nursing assessment
 - E. Identification of SCD and related NDs
 - F. Nursing interventions
 - 1. relieve discomfort
 - 2. promote rest
 - 3. observe for complications

- IV. Pancreatitis
 - A. Review Etiology, Pathophysiology, Clinical Manifestation, Diagnostic Studies
 - B. Complications
 - 1. pseudocyst
 - 2. abscess
 - C. Therapeutic management
 - D. Nursing assessment
 - E. Identification of SCD and related NDs
 - F. Nursing interventions
 - 1. relieve pain
 - 2. promote fluid and electrolyte balance
 - 3. observe for complications
 - 4. SENS to prevent recurrence

Read: Brunner, Chapter 50

The Point Practice and Learn Activities:

- Chapter 50: Assessment and Management of Patients With Biliary Disorders.

Theoretical Content Teaching/Learning Activities**UNIT VII: PROBLEMS OF THE LIVER, BILIARY TRACT AND PANCREAS - cont**

- V. Disorders of the Biliary Tract
- A. Gallbladder disease
1. review Pathophysiology, Clinical Manifestation, Diagnostic Studies
 2. complications
- B. Therapeutic management
- C. Nursing assessment
- D. Identification of SCD and related NDs
- E. Nursing intervention

UNIT VIII: DIABETES**Assessment & Management of Patients with Diabetes**

- A. Review Pathophysiology, Clinical Manifestation Diagnostic Studies
- B. Classification
1. type I
 2. type II
- C. Complications
1. acute
 2. chronic
- D. Therapeutic management
1. diet
 2. drugs
 3. exercise
 4. glucose monitoring
 5. foot care
- E. Nursing interventions
- F. Identification of SCD and related NDs
- G. Nursing interventions
1. prevent acute/chronic complications
 2. SENS to manage disease

PART II: THE USCR FOR ELIMINATION**UNIT I: PROBLEMS OF BOWEL ELIMINATION****Management of Patients with Intestinal & Rectal Disorders**

- I. Definition of the USCR for bowel elimination
- II. Diarrhea and constipation
- A. Constipation
- B. Diagnostic studies and related nursing responsibilities (i.e. consents, SENS for test preparations, etc.)
1. x-rays
 2. barium enema
 3. colonoscopy
 4. sigmoidoscopy

Read: Brunner – Chapter 50 Read: Lutz – Chapter 17

Read: Brunner, Chapter 51

Read: Pharmacology course text – Drugs affecting the Endocrine System: Diabetic Medications

The Point Practice and Learn Activities:

- Chapter 51: Assessment and Management of Patients With Diabetes

Brunner: Watch and Learn - Chapter 51: Assessment and Management of Patients With Diabetes.

7 DVDs located in Library

1. Physiology of Glucose Regulation
2. Pathology of Diabetes
3. Nutrition Therapy, Exercise and Sick Day Management
4. Insulin and Oral Antidiabetic Agents
5. Hypoglycemia and Monitoring
6. Neuropathy, Nephropathy and Retinopathy
7. CVD and the Diabetic Foot

ATI Skills Module: Diabetes Management

Read: Brunner, Chapter 47

Read: Pharmacology course text – Drugs Affecting the Gastrointestinal System

The Point Practice and Learn Activities:

- Chapter 47: Management of Patients With Intestinal and Rectal Disorders

Theoretical Content

- II. Diarrhea and constipation (continued)
 - C. Therapeutic management
 - 1. drug therapy
 - 2. diet
 - D. Nursing assessment
 - E. Identification of SCD and related NDs
 - F. Interventions

- III. Noninflammatory intestinal disorders
 - A. Hernias
 - B. Intestinal obstruction
 - 1. mechanical
 - 2. nonmechanical
 - C. Abdominal trauma
 - D. Polyps
 - E. Hemorrhoids

- IV. Inflammatory intestinal disorders
 - A. Appendicitis
 - B. Peritonitis
 - C. Ulcerative colitis
 - D. Crohn's disease
 - E. Diverticular disease

- V. Anal disorders

- VI. Therapeutic management
 - A. Diet
 - B. Drug therapy
 - C. Surgery
 - 1. colostomy, ileostomy
 - 2. colon resection
 - D. Nursing assessment
 - E. Identification of SCD and related NDs
 - F. Nursing interventions

Teaching/Learning Activities

Classroom Case Study Assignments Appendicitis
 GI Bleed Ileostomy
 Small bowel obstruction

Brunner: Watch and Learn

- Chapter 47: Management of Patients With Intestinal and Rectal Disorders, Video: Bowel Elimination: Changing an Ostomy Appliance
- Chapter 47: Management of Patients With Intestinal and Rectal Disorders, Video: Caring for a Patient With Diverticulitis

The Point Practice and Learn Activities:

- Chapter 47: Management of Patients With Intestinal and Rectal Disorders

**Take the Targeted ATI Assessment:
 Targeted Medical-Surgical 2016: Gastrointestinal.
 Hand in to the professor by the end of the last class.**

UNIT II: PROBLEMS OF URINARY ELIMINATION
Assessment of Kidney & Urinary Function

- I. Definition of the USCR for urinary elimination
- II. Assessment
 - A. Health history
 - B. Physical exam
 - C. Diagnostic studies and related nursing responsibilities (i.e. consents, SENS for test preparations, etc.)
 - 1. urine studies
 - 2. blood chemistries
 - 3. radiologic studies
 - 4. renal scans
 - 5. endoscopies
 - 6. renal biopsy

Assessment of Patients with Urinary Disorders

- III. Infections (UTI)
 - A. Upper
 - 1. Pyelonephritis
 - 2. Pyelitis
 - 3. Urethritis
 - B. Lower
 - 1. Cystitis
 - 2. Urethritis
 - C. Sources
 - D. Clinical manifestations
 - E. Therapeutic management
- IV. Glomerulonephritis
- V. Obstructive uropathies-Urinary and renal calculi
- VI. Urinary incontinence
- VII. Problems of the prostate gland
 - A. Benign prostatic hypertrophy
 - B. Prostatitis
 - 1. Review Pathophysiology, Clinical Manifestation, Diagnostic Studies
 - 2. Drug therapy
- VIII. Surgery of the urinary tract
 - A. Ileo-conduit
 - B. Prostatic surgery
 - C. Pre and postoperative care

Read: Brunner, Chapter 53

Read: Lutz – Chapter 19

Read: Pharmacology course text – Drugs Affecting the Renal System; Drugs Used to Treat Infections - Urinary Antiseptic Agents.

ATI Skills Module:

- Urinary Catheter Care

Brunner, Chapter 55

ATI Skills Module:

- Urinary Tract Infections

The Point Practice and Learn Activities:

- Chapter 55 Management of Patients With Urinary Disorders

Watch and Learn:

- Chapter 55: Management of Patients With Urinary Disorders, Video: Urinary Elimination: Applying a Condom Catheter

- Chapter 55: Management of Patients With Urinary Disorders, Video: Urinary Catheters: Catheterizing the Male Urinary Bladder: Indwelling and Intermittent Catheters.

ATI Skills Module:

- Ostomy Care

Theoretical Content

- X. Nursing assessment
- XI. Identification SCD and related NDs
- XII. Nursing interventions

UNIT III: RENAL INJURY/FAILURE

Management of patients with Kidney Disorders

- A. Acute
 - 1. pathophysiology
 - 2. clinical course
 - a) oliguric phase
 - b) diuretic phase
 - c) recovery phase
 - 3. diagnostic studies
- B. Chronic

- C. Dialysis
 - 1. peritoneal
 - 2. hemodialysis
- D. Nursing assessment
- E. Identification of SCD and related NDs
- F. Nursing interventions and effect of deficit on other USCR's
- G. Therapeutic/nursing management
 - 1. drug therapy
 - 2. diet
- H. Transplantation

Teaching/Learning Strategies

Brunner, Chapter 54

The Point Practice and Learn Activities:

- Chapter 54: Management of Patients With Kidney Disorders/AKI
- Chapter 54: Management of Patients With Kidney Disorders/CKD

Watch and Learn:

- Chapter 54: Management of Patients With Kidney Disorders, Caring for a Patient following an AV Shunt Placement

Take the Targeted ATI Assessment:

**Targeted Medical-Surgical 2016: Renal and Urinary
Hand in to the professor by the end of the last day.**