

SEWARD COUNTY COMMUNITY COLLEGE COURSE SYLLABUS

I. TITLE OF COURSE: NR 1801- Pharmacology for Nursing III

II. COURSE DESCRIPTION: One (1) Credit hour course

This course builds upon the concepts presented in Nursing Pharmacology I & II. It focuses on specific therapeutic regimens related to the clients' experiencing alterations in oxygenation (cardiovascular & respiratory), metabolism, motion, and mental and emotional health.

III. PROGRAM AND/OR DEPARTMENT MISSION STATEMENT:

The Nursing Program at Seward County Community College prepares competent practical and associate degree nurses to assist in meeting the health care needs of clients by delivering quality wholistic care.

IV. TEXTBOOK AND MATERIALS:

REQUIRED

1. Kee, J., Marshall, S., Forrester, C., Woods, K. (9th Edition, 2021). *Clinical Calculations*. St. Louis, Missouri: Elsevier.
2. McCuiston, L., Vuljoin Dimaggio, K., Winton, M., Yeager, J. (10th edition, 2021). *Pharmacology a patient centered nursing approach*. St. Louis, Missouri: Elsevier.
3. Vallerand, A., Sanoski, C., Deglin, J. (17th Edition, 2020). *Davis's drug guide for nurses*. Philadelphia: F.A. Davis Company.

V. SCCC OUTCOMES

Students who successfully complete this course will demonstrate the ability to do the following SCCC Outcomes.

1. Outcome #1 Read with comprehension, be critical of what they read, and apply knowledge gained to real life situations.
2. Outcome #2 Communicate ideas clearly and proficiently in writing, appropriately adjusting content and arrangement for varying audiences, purposes, and situations.
3. Outcome #3 Communicate ideas clearly and proficiently appropriately adjusting content and arrangement for varying audiences, purposes, and situations.
4. Outcome #4 Demonstrate mathematical skills using a variety of techniques and technologies.
5. Outcome #6 Exhibit skills in information and technological literacy
6. Outcome # 9 Exhibit workplace skills that include respect for others, teamwork, competence, attendance /punctuality, decision making, conflict resolution, truthfulness/honesty, positive attitude, judgement, and responsibility

VI. COURSE OUTCOMES:

Upon completion of Pharmacology III, the student will be able to:

1. Demonstrate knowledge of medications in specific patient populations.
2. Recognize pertinent nursing considerations and actions for specific pharmacological agents and categories.
3. Participate in comprehensive case studies focused on target populations.
4. Assess, plan, intervene and evaluate the effects of medications on clients experiencing alterations in oxygenation (cardiovascular & respiratory), metabolism, motion, and mental and emotional health.

5. Identify current issues that influence medication use today, including drugs of abuse and medication research.

VII. COURSE OUTLINE:

1. Introduction to Pharmacology III
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 2. Review of Medications
 3. Review of Psychiatric Medication Administration Practices
2. Medications for the Cardiovascular System
 1. Advanced Cardiac Medications
 2. Intravenous Hypertensive Medications
 3. Medications Post-Operative for CABG
3. Medications for the Vascular System
 1. Anticoagulants
 2. Medications for CVA and Complications of CVA
4. Medications to Treat Substance Use Disorder
 1. Methadone
 2. Suboxone
 3. Withdrawal Medication Protocols
5. Medications for the Respiratory System A
 1. Treating Alkalosis and Acidosis
 2. Medications for Respiratory Distress Syndrome (ARDS)
 3. Medications for Respiratory Emergencies
6. Medications for the Respiratory System B
 1. Treatment for acute respiratory infections
 2. Medications for Chest Trauma and Chest Tubes
 3. Medications for Lung Cancer
7. Medications to Treat Mental Health Disorders
 1. Antianxiolytics
 2. Medications to treat bipolar disorder
 3. Antidepressants
 4. Medications to treat Psychiatric Disorders
8. Medications to Treat Mental Health Disorders
 1. Antianxiolytics
 2. Medications to treat bipolar disorder
 3. Antidepressants
 4. Medications to treat Psychiatric Disorders
9. Medications for the Neurovascular System
 1. Advanced Neurologic Concerns
 2. Emergent Neurovascular Conditions
 3. Pharmacological Management of Status Epilepticus
10. Medications for Fluid and Electrolyte Imbalances

1. Treatment of Acute Imbalances
 2. Care, Maintenance, and Accessing Central Lines
 3. Emergent fluid and electrolyte treatments
11. Medications for the Genitourinary System
 1. Promotion of fluid elimination
 2. Management of acute conditions
 3. Dialysis
 4. Emergent GU/Renal Treatments
 12. Medications for Hematological Conditions
 1. Treatment for acute hematological management
 2. Emergent hematological management
 3. Management of Blood Transfusion Reactions
 13. Medications for the Immune System
 1. Treatments for HIV and HIV prevention
 2. Immunization and Protection
 3. Treatment of acute HIV/AIDS complications
 14. Medications for the Endocrine System
 1. Treatment of Acute Endocrine Conditions
 2. Treatment of extreme hypo- and hyperglycemia
 3. Management of Acute Endocrine Complications
 15. Medications for the Gastrointestinal System
 1. Treatment of Acute GI Conditions
 2. Acute GI Condition Management
 3. Emergent GI Treatments

VIII. Instructional Methods:

Lecture, discussion, demonstration, computer assisted instruction including online assignments, medication computation worksheets; skills laboratory and clinical instruction (including pre and post conference).

IX. INSTRUCTIONAL AND RESOURCE MATERIALS:

Handouts, computer assisted instruction, supplies and equipment used in hospitals and the skills lab settings, selected reference readings

X. METHODS OF ASSESSMENT:

SCCC Outcome #1 will be assessed and measured by class participation, written examinations and written assignments indicating comprehension of material read.

SCCC Outcome #2 will be assessed and measured by writing assignments and by documentation in the clinical areas.

SCCC Outcome # 3 will be assessed through skills lab and clinical interaction

SCCC Outcome #4 will be assessed and measured by written examination and in the clinical areas particularly with medication administration.

SCCC Outcome #6 will be assessed and measured by clinical competencies, testing, and in the skills lab.

SCCC Outcome #9 will be assessed and measured by class and clinical participation, ability to respond to clinical situations, attendance, ability to work as a team member, and overall dependability.

XI. ADA STATEMENT:

Under the Americans with Disabilities Act, Seward County Community College will make reasonable accommodations for students with documented disabilities. If you need support or assistance because of a disability, you may be eligible for academic accommodations. Students should identify themselves to the Dean of Students at 620-417-1106 or go to the Student Success Center in the Hobble Academic building, room A149.

Syllabus Reviewed: 8/10/2022