

NORTHWESTERN CONNECTICUT COMMUNITY COLLEGE

COURSE SYLLABUS

Course Title: Principles of Pharmacology

Course #: MED* 250

Course Description: 3 credits (3 lecture hours)

This course provides an overview of current and commonly used practices, procedures, medications, and supplements. Topics include legal and ethical implications, terminology, and documentation, practices governing the use, dispensing, administration, and storage of pharmaceuticals. Medication preparation, dosage calculation, and administration skills are developed. Patient education regarding safe administration, side effects, and interactions is emphasized. Presentation is organized according to drug classification and body systems.

Pre-requisite/Co-requisite: MED* 125 Medical Terminology, Bio* 110 or higher

Goals: The student will develop the working knowledge of pharmacology necessary for a career in an allied health profession. The student will understand mechanisms of drug actions, common drug interactions and side effects, and will become familiar with the more commonly prescribed drugs. The student will be able to perform basic mathematical calculations of drug dosages.

Outcomes: Upon successful completion of this course, the student will be able to: (see attached)

- Demonstrate telephone technique for collecting necessary information for refill requests IX.P (7)
- Identify the classifications of medications, including desired effects, side effects and adverse reactions. I.C (11)
- Explain the DEA and FDA regulations and state laws, involving medications ,that govern medical assistants and allied health workers IX.C (13)
Identify measurement systems used on medication labels, physicians orders, and prescriptions II.C (3,4)
- Demonstrate the use of the Physician's Desk Reference and a nursing drug guide
- Identify both abbreviations and symbols used in calculating medication dosages. II.C (6)
- Demonstrate knowledge of basic math in calculating the proper medication dosage ordered. II.C (1,2,5)
- Verify order and dosage prior to administration II.A (1)
- Prepare proper dosage and administer oral medication, optic medication, otic medication I.P (8), II.P (1)
- Reconstitute a powder medication and prepare proper dosage for administration II.P (1)
- Select proper sites for injection by subcutaneous, intramuscular and intradermal injections I.P (7))
- Maintain medication and immunization records
Identify drug and classification from reading labels and explain the relationship between anatomy and physiology and medication. II.C (12)
- Prepare drug cards for the more commonly prescribed medications including implications, effects, and patient/client education for these medication]

College Policies

Plagiarism: Plagiarism and Academic Dishonesty are not tolerated at Northwestern Connecticut Community College. Violators of this policy will be subject to sanctions ranging from failure of the assignment (receiving a zero), failing the course, being removed/expelled from the program and/or the College. Please refer to your “Student Handbook” under “Policy on Student Rights,” the Section entitled “Student Discipline,” or the College catalog for additional information.

Americans with Disabilities Act (ADA): The College will make reasonable accommodations for persons with documented learning, physical, or psychiatric disabilities. Students should notify Dr. Christine Woodcock, the Counselor for Students with Disabilities. She is located at Green Woods Hall, in the Center for Student Development. Her phone number is 860-738-6318 and her email is cwoodcock@nwcc.edu.

School Cancellations: If snowy or icy driving conditions cause the postponement or cancellation of classes, announcements will be made on local radio and television stations and posted on the College’s website at www.nwcc.edu. Students may also call the College directly at **(860) 738-6464** to hear a recorded message concerning any inclement weather closings. Students are urged to exercise their own judgment if road conditions in their localities are hazardous.

Use of Electronic Devices: Some course content as presented in Blackboard Learn is not fully supported on mobile devices at this time. While mobile devices provide convenient access to check in and read information about your courses, they should not be used to perform work such as taking tests, quizzes, completing assignments, or submitting substantive discussion posts.

Sexual Assault and Intimate Partner Violence Resource Team: NCCC is committed to creating a community that is safe and supportive of people of all gender and sexual identities. This pertains to the entire campus community, whether on ground or virtual, students, faculty, or staff.

Sexual assault and intimate partner violence is an affront to our national conscience, and one we cannot ignore. It is our hope that no one within our campus community will become a victim of these crimes. However, if it occurs, NCCC has created the SART Team - Sexual Assault and Intimate Partner Violence Resource Team - to meet the victim’s needs.

SART is a campus and community based team that is fully trained to provide trauma-informed compassionate service and referrals for comprehensive care. The team works in partnership with The Susan B. Anthony Project to extend services 24 hours a day, 7 days a week throughout the year.

The NCCC team members are:

Ruth Gonzalez, Ph.D.	860-738-6315	Green Woods Hall Room 207
Susan Berg	860-738-6342	Green Woods Hall Room 223
Kathleen Chapman	860-738-6344	Green Woods Hall Room 110
Michael Emanuel	860-738-6389	Founders Hall Annex Room 308
Seth Kershner	860-738-6481	Library
Jane O’Grady	860-738-6393	Founders Hall Annex Room 212
Robin Orlomoski	860-738-6416	Business Office Room 201
Patricia Bouffard, Ex-Officio	860-738-6319	Founders Hall Room 103
Savannah Schmitt		Student Representative

At NCCC we care about our students, staff and faculty and their well-being. It is our intention to facilitate the resources needed to help achieve both physical and emotional health.

MED 250 course outcomes:

- Compare structure and function of the human body across the life span
 - Describe the normal function of each body system
 - Identify common pathology related to each body system including: signs, symptoms, and etiology
 - Identify the classifications of medications including: indication for usage, desired effects, side effects, and adverse reactions
 - Demonstrate knowledge of basic math computations
 - Apply mathematical computations to solve equations
 - Define basic units of measurement in: metric, and household systems
 - Convert among measurement systems
 - Identify abbreviations and symbols used in calculating medication dosages
 - Calculate proper dosages of medication for administration
 - Complete an incident report related to an error in patient care