



THERAPEUTIC AGENTS II

Revised 12/12/11

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<u>COURSE NUMBER:</u>	PHM 124
<u>PREREQUISITE(S):</u>	Successful completion of earlier program requirements.
<u>CO-REQUISITE(S):</u>	PHM 164, PHM 173, PHM 113
<u>COURSE DESCRIPTIONS:</u>	This course provides a continuing study of therapeutic drug categories.
<u>TEXTBOOK(S):</u>	Danielson, Jennifer. <u>Pharmacology Essentials for Technicians</u> . Paradigm. 2011
<u>REFERENCE(S):</u>	None
<u>OTHER REQUIRED MATERIALS, TOOLS, AND EQUIPMENT:</u>	Basic 4-function calculator
<u>METHOD OF INSTRUCTION:</u>	Lecture
<u>GRADING SYSTEM:</u>	94 - 100 = A 85 - 93 = B 80 - 84 = C 70 - 79 = D Below - 70 = F
	A minimum grade of "C" is required to pass this course. The instructor may elect to give pop tests. Final grades will not be rounded off. Misspelled words and brand or generic drug names are considered wrong and no partial credit will be given.
<u>GRADE CALCULATION METHOD:</u>	Library Assignments = 10% Quizzes and daily grades = 25% Tests and Written Assignments = 40% Final Exam = <u>25%</u> = 100%

ATTENDANCE
POLICY:

The student is responsible for punctual and regular attendance in all classes, laboratories, clinical, practica, internships, field trips, and other required class activities. The College does not grant excused absences; therefore, students are urged to reserve their absences for emergencies. When illness or other emergencies occur, the student is responsible for notifying instructors and completing missed work if approved for late submission by instructors.

Students are tardy if not in class at the time the class is scheduled to begin. Tardy students are admitted to class at the discretion of the instructor.

During the didactic phase of instruction, any one reporting to class within 10 minutes after the hour will be counted absent for that hour. If the student is tardy during a period in which a major test is given, the test must be completed during the time remaining in that period. Any unannounced quizzes missed because of tardiness or unexcused absences (not calling in) will equate to a zero. Failure to return from a break at the designated time will be counted as a tardy.

The student is expected to call in as early as possible after 7:30 AM on every day of absence. Messages should be left on the program coordinators (592-4869) voice mail. Students will be held responsible for all class and lab material covered that day, and must make up all practical procedures (labs, etc.) covered on the day of absence. It is the student's responsibility to contact the instructor upon return to class concerning a satisfactory time to complete make-up work. Failure to contact the instructor on the day of return or to complete make-up work on the agreed upon day will result in a zero grade for the work the student has missed.

If the student is absent on the day of an assigned test, the program director must be notified prior to the absence. No arrangements will be made for a make-up examination in the event that the student is absent without prior notification. A grade of "0" will be recorded for that test. **Only two make-up tests will be allowed.**

Instructors maintain attendance records. However, it is the student's responsibility to withdraw from a course. A student enrolling in and attending at least one course session remains enrolled until the student initiates a withdrawal.

Withdrawal Policy: During the first 75% of the course, a student may initiate withdrawal and receive a grade of W. A student cannot initiate a withdrawal during the last 25% of the course. Extenuating circumstances require documentation and approval by the appropriate department head and academic dean.

Absences for Religious Holidays: Students who are absent from class in order to observe religious holidays are responsible for the content of any activities missed and for the completion of assignments occurring during the period of absence. Students who anticipate their observance of religious holidays will cause them to be absent from class and do not wish such absences to penalize their status in class should adhere to the following guidelines:

1. Observance of religious holidays resulting in three or fewer consecutive absences: Discuss the situation with the instructor and provide written notice at least one week prior to the absence(s). Develop (in writing) and instructor-approved plan which outlines the make up of activities and assignments.
2. Observances of religious holidays resulting in four or more consecutive absences: Discuss the situation with the instructor and provide the instructor with written notice within the first 10 days of the academic term. Develop an instructor-approved plan with outlines the make up of activities and assignments.

**ACADEMIC
CONDUCT:**

ACADEMIC DISHONESTY: Students are expected to uphold the integrity of the College's standard of conduct, specifically in regards to academic honesty. All forms of academic dishonesty including, but not limited to, cheating on assignments/tests, plagiarism, collusion, and falsification of information will call for disciplinary action. Disciplinary action imposed may include one or more of the following: written reprimand, loss of credit for assignment/test, termination from course, and probation, suspension, or expulsion from the College. For further explanation of this and other conduct codes, please refer to the Student Handbook.

CELLULAR PHONES AND PAGERS/BEEPERS: Cellular phones, pagers and beepers are not permitted to be turned on or used within the classroom. Use of these devices during

classroom time will be considered a violation of the student code as it relates to “disruptive behavior.”

ACCOMMODATIONS:

Students who need special accommodations in this class because of a documented disability should notify Student Disability Services. You may contact Student Disability Services by calling, (864) 592-4811, toll-free 1-800-922-3679; via email through the Spartanburg Community College web site at www.sccsc.edu/SDS/; or by visiting the office located in the Dan Lee Terhune Student Services Building, room 112 of the Spartanburg Community College campus. By contacting Student Disability Services early in the semester, students with disabilities give the College an opportunity to provide necessary support services and appropriate accommodations.

**COURSE
COMPETENCIES &
OBJECTIVES:**

Upon satisfactory completion of this course, the student will be able to:

- I. Describe the basic anatomy and physiology of the cardiovascular system.
 1. Describe the therapeutic and adverse effects of prescription medications, nonprescription medications, and alternative therapies commonly used to treat diseases of the cardiovascular system.
 2. Identify the brand and generic names of prescription and nonprescription medications commonly used to treat diseases of the cardiovascular system.
 3. Explain the doses, dosage forms, and routes of administrations for prescription and nonprescription medications commonly used to treat diseases of the cardiovascular system.

- II. Describe the basic anatomy and physiology of the blood and the hematologic system.
 1. Describe the therapeutic and adverse effects of prescription medications, nonprescription medications, and alternative therapies commonly used to treat diseases of the blood and the hematologic system.
 2. Identify the brand and generic names of prescription and nonprescription medications commonly used to treat diseases of the blood and the hematologic system.
 3. Explain the doses, dosage forms, and routes of administrations for prescription and nonprescription

medications commonly used to treat diseases of the blood and the hematologic system.

- III. Describe the basic anatomy and physiology of the respiratory system.
 1. Describe the therapeutic and adverse effects of prescription medications, nonprescription medications, and alternative therapies commonly used to treat diseases of the respiratory system.
 2. Identify the brand and generic names of prescription and nonprescription medications commonly used to treat diseases of the respiratory system.
 3. Explain the doses, dosage forms, and routes of administrations for prescription and nonprescription medications commonly used to treat diseases of the respiratory system.

- IV. Describe the basic anatomy and physiology of the gastrointestinal system.
 1. Describe the therapeutic and adverse effects of prescription medications, nonprescription medications, and alternative therapies commonly used to treat diseases of the gastrointestinal system.
 2. Identify the brand and generic names of prescription and nonprescription medications commonly used to treat diseases of the gastrointestinal system.
 3. Explain the doses, dosage forms, and routes of administrations for prescription and nonprescription medications commonly used to treat diseases of the gastrointestinal system.

- V. Describe the basic physiology of nutrition and weight management including intake of essential vitamins and minerals.
 1. Describe the therapeutic effects of vitamins and minerals.
 2. Identify recommended daily intake amounts and common doses of vitamin and mineral products.
 3. Describe the therapeutic and adverse effects of prescription medications, nonprescription medications, and alternative therapies commonly used to treat obesity.
 4. Identify the brand and generic names of prescription and nonprescription medications commonly used to treat obesity.
 5. Explain the doses, dosage forms, and routes of administrations for prescription and nonprescription

medications commonly used to treat obesity.

- VI. Describe the basic anatomy and physiology of the endocrine system.
 1. Describe the therapeutic and adverse effects of prescription medications, nonprescription medications, and alternative therapies commonly used to treat diseases of the endocrine system.
 2. Identify the brand and generic names of prescription and nonprescription medications commonly used to treat diseases of the endocrine system.
 3. Explain the doses, dosage forms, and routes of administrations for prescription and nonprescription medications commonly used to treat diseases of the endocrine system.

- VII. Describe the basic anatomy and physiology of the reproductive system.
 1. Describe the therapeutic and adverse effects of prescription medications, nonprescription medications, and alternative therapies commonly used to treat diseases of the reproductive system.
 2. Identify the brand and generic names of prescription and nonprescription medications commonly used to treat diseases of the reproductive system.
 3. Explain the doses, dosage forms, and routes of administrations for prescription and nonprescription medications commonly used to treat diseases of the reproductive system.

- VIII. Describe the basic anatomy and physiology of the renal system.
 1. Describe the therapeutic and adverse effects of prescription medications, nonprescription medications, and alternative therapies commonly used to treat diseases of the renal system.
 2. Identify the brand and generic names of prescription and nonprescription medications commonly used to treat diseases of the renal system.
 3. Explain the doses, dosage forms, and routes of administrations for prescription and nonprescription medications commonly used to treat diseases of the renal system.

- IX. Describe the basic physiological effects of fluids and electrolytes.

1. Describe the therapeutic effects of fluids and electrolytes.
 2. Describe the adverse effects associated with treatment for fluid and electrolyte imbalance.
 3. State the dosage forms and routes of administration of fluid and electrolyte products.
- X. Describe the basic physiology of malignancy and tumor cell growth.
1. Describe the therapeutic and adverse effects of medications commonly used to treat cancer.
 2. Identify the brand and generic names of medications commonly used to treat cancer.
 3. State common dosage forms and routes of administration of medications commonly used to treat cancer.
 4. Describe the required safety equipment for safely handling hazardous drugs.
 5. Explain strategies that pharmacy technicians can employ to help prevent chemotherapy-related errors.
- XI. Identify Top 200 drug names.
1. Identify brand and generic drug names.