

**West Los Angeles College**  
**Department of Allied Health**  
**Pharmacy Technician Program**

- I.     COURSE TITLE:                    Body Systems I        Class ID (1623)
- II.    PREPARED BY:                    Pharmacy Technician Adjunct Faculty
- III.   REVISED FOR:                    Fall 2015
- IV.    PREREQUISITES:                *Enrolled Pharmacy Technician Students Only*
- V.     DAYS AND HOURS:                Wednesday and Friday 9:00am-12:10pm
- VI.    COURSE INSTRUCTOR:         Pamela Moore- BS, CPhT, RPhT
- VII.   OFFICE PHONE NUMBER:        (310) 287-4464  
  
  Email: Moorepl@wlaac.edu
- VIII.  OFFICE HOURS:                15 minutes before class or by appointment
- IX.    COURSE DESCRIPTION

In this course students will learn the use and side effects of prescription medications, nonprescription medications and alternative therapies used to treat diseases affecting the muscular, skeletal, respiratory, renal, cardiovascular, ophthalmic and hematologic systems. Students will first master an understanding of basic anatomy and physiology and learn the brand and generic name, standard pronunciation, and routes of administration for each medication studied. Students will also learn medical terminology and abbreviations associated with the use of medication therapy affecting the body systems studied.

X.     REQUIRED TEXTBOOKS & MATERIALS

**Textbook:**

- Mosby's Pharmacy Technician: Principles and Practice-4<sup>th</sup> Edition  
  
      Joshua Neumiller, et al  
  
      ISBN: 978-1-4557-5178-5

**Materials Required:**

- Scan-Tron Exams Forms

**Optional Materials:**

- Index Cards

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**XI. Student Learning Outcomes (SLOs) Addressed in this course**

After the successful completion of this course, you will be able to use medical English to communicate in the lab courses, in your externship, and on the job. You will be prepared to apply your knowledge to the technical tasks of being a pharmacy technician. Students will also be evaluated on correctly identifying various body systems and understanding their basic functions and understanding the unique characteristics or limitation of dosage forms used in enteral and parenteral routes of administration. Evaluation will be based on knowledge of basic pharmaceutical concepts, such as how drugs produce a pharmaceutical effect and factors that influence drug disposition leading to variation in drug response. In addition, you will learn how drugs are named, classified, and utilized.

**XII. COURSE OBJECTIVES:**

	<b>Upon successful completion of this course, the student will be able to:</b>
Introduction to the Human Body	Understand the organization of the body as whole, including the application of basic pharmacological principles.
Endocrine System	<i>Meets Association of Health System Pharmacists Module 4</i> IO 1.2.3 State the definitions of medical terms commonly used in the range of patient care settings. IO 1.2.4 Write the accepted abbreviation when given a list of commonly used medical terms. OBJ 25.4 Pronounce technical terms correctly. OBJ 34.9 Explain the use and side effects of prescription medications, nonprescription medications, and alternative therapies. IO 34.9.1 Describe the basic anatomy and physiology. IO 34.9.2 Explain the basic physiology of this system. IO 34.9.3 Explain the therapeutic effects of prescription medications, nonprescription medications, and alternative therapies commonly used to treat diseases of this system. IO 34.9.4 Describe the adverse effects of prescription medications, nonprescription medications, and alternative therapies commonly used to treat diseases of this system. IO 34.9.5 State the brand and generic names of prescription and nonprescription medications. IO 34.9.6 State the dosage forms of prescription and nonprescription medications commonly used to treat diseases of this system. IO 34.9.7 State the route of administration of prescription and nonprescription medications commonly used to treat diseases of this system. IO 34.9.8 State the common doses of prescription and nonprescription medications commonly used to treat diseases of this system.
Nervous System	
Psycho-pharmacology	
Respiratory System	
Visual & Auditory System	
Integumentary (Dermatologic) System	
Gastrointestinal System	
Urinary System	
Cardiovascular System	
Reproductive System	

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XIII. METHODS OF INSTRUCTION:

Lectures, PowerPoint, discussions, and activities will be used as the methods of instruction in this course.

XIV. METHODS OF EVALUATION:

7 Quizzes                      40%

Homework Assignments    10%

Final Exam                    50%

Course Grades will be assigned based on the following scale:

90-100% = A

80-89% = B

70-79% = C

60-69% = D

59% and below = F

Lower than 60% is a non-passing grade and constitute failure in this course. A grade of "C" or higher is required for credit in the "credit/no credit" grading option.

XV. STUDENT RESPONSIBILITIES, POLICIES, AND ADVICE:

- Students are required to abide with the Student Code of Conduct and all College policies at all times. These policies may be found in the schedule of classes, course catalog, or online. **Remember:** Any disruptive behavior may result in exclusion from the class.
- Electronic devices (Cell phones, recording devices, iPods and Android tablets, etc.) **MAY** be used to assist students in the learning process **ONLY AT THE INSTRUCTOR'S DISCRETION**, the above devices can be used based on a semester by semester basis due to students' level of respect and maturity. **ALL CELL PHONES ARE TO BE PLACED ON THE "VIBRATE" MODE WHILE IN CLASS...NO EXCEPTIONS!!!** If you are expecting an emergency call, please inform the instructor before class, and leave the classroom quietly when you receive the call.
- **It is in your best interest to attend every class.** Unexcused absences will be handled in accordance with WLAC's Attendance policy\*. If it is necessary to miss a class for any reason,

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please inform the instructor ahead of time. Proper documentation will be required in order to have an excused absence.

- Exam material will come from anything and everything we cover in this course. Weekly exams and the Final exam are the property of the instructor. Copying questions from any exam **is an act of cheating...Plagiarism is an act of cheating!** Please use references for any ideas, words, sentences, phrases, and paragraphs that you borrow from another source.
- **You are to be in class on time and prepared!** All readings and homework assignments must be completed ahead of time. **ALL WORK WILL BE COLLECTED AT THE BEGINNING OF CLASS** unless otherwise stated by instructor.
- Students requiring modification/special accommodations should see the instructor to make appropriate arrangements as soon as possible. Students newly arriving to West Los Angeles College that are Foster Youth in need of resources should also meet with the instructor as soon as possible.
- Please note that make-ups will be administered at the discretion of the instructor, only when suitable documentation is available. If you know you will be absent, please inform the instructor ahead of time.

**\*Please be aware that attendance will affect your grade by 5% is deducted from your total grade for each unexcused absence. Three (3) unexcused tardies constitute one absence.**

XVI. COURSE CONTENT OUTLINE:

**LECTURE SCHEDULE-Fall 2015**

**Note: The schedule is tentative, therefore, subject to change depending upon the class progress. You are responsible for all the announcement and materials covered during your absence.**

Week	Lecture Topic	Reading Assignments & Homework
<b>Wk 1</b> <b>Wed 09/02</b> <b>Fri 09/04</b>	Syllabus: Introduction to the Course Lecture: Muscular System (Ch.17) Medications	<b>Reading:</b> Ch. 17 <b>Homework:</b> Ch. 17 (WB)

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<b>Wk 1</b> Wed 09/02 Fri 09/04	<b>Quiz 1</b> Drug List Lecture: Skeletal System	<b>Reading:</b> Ch. 17 <b>Homework Due:</b> Ch. 17 (WB)
<b>Wk 2</b> Wed 09/09- Fri 09/11	Lecture: Skeletal System Medications	<b>Reading:</b> Ch. 17 <b>Homework:</b> Ch. 17 (WB)
<b>Wk 2</b> Wed 09/09- Fri 09/11	<b>Quiz 2</b> Drug List Lecture: Respiratory System	<b>Reading:</b> Ch. 19 <b>Homework Due:</b> Ch. 17 (WB)
<b>Wk 3</b> Wed 09/16- Fri 09/18	Lecture: Respiratory System Medications	<b>Reading:</b> Ch. 19 <b>Homework:</b> Ch. 19 (WB)
<b>Wk 3</b> Wed 09/16- Fri 09/18	<b>Quiz 3</b> Drug List Lecture: Renal System	<b>Reading:</b> Ch. 21 <b>Homework Due:</b> Ch. 19 (WB)
<b>Wk 4</b> Wed 09/23- Fri 09/25	Lecture: Renal System Medications	<b>Reading:</b> Ch. 21 <b>Homework:</b> Ch. 21 (WB)
<b>Wk 4</b> Wed 09/23- Fri 09/25	<b>Quiz 4</b> Drug List Lecture: Cardiovascular System	<b>Reading:</b> Ch. 18 <b>Homework Due:</b> Ch. 21 (WB)
<b>Wk 5</b> Wed 09/30- Fri 10/02	Lecture: Cardiovascular System Medications	<b>Reading:</b> Ch. 18 <b>Homework:</b> Ch. 18 (WB)
<b>Wk 5</b> Wed 09/30- Fri 10/02	<b>Quiz 5</b> Drug List Lecture: Ophthalmic System	<b>Reading:</b> Ch. 24 <b>Homework Due:</b> Ch. 18 (WB)
<b>Wk 6</b> Wed 10/07- Fri 10/09	Lecture: Ophthalmic System Medications	<b>Reading:</b> Ch. 24 <b>Homework:</b> Ch. 24 (WB)
<b>Wk 6</b> Wed 10/07- Fri 10/09	<b>Quiz 6</b> Drug List Lecture: Hematologic System	<b>Reading:</b> Ch. 26 <b>Homework Due:</b> Ch. 24 (WB)
<b>Wk 7</b> Wed 10/14- Fri 10/16	Lecture: Hematologic System Medications	<b>Reading:</b> Ch. 26 <b>Homework:</b> Ch. 26 (WB)
<b>Wk 7</b> Wed 10/14- Fri 10/16	<b>Quiz 7</b> Drug List Discuss Final Exam	<b>Homework Due:</b> Ch. 26 (WB)
<b>Wk 8</b> 10/21-23	Review for Final Exam <b>Final Exam for Chapters 17,18,19,21,24,26</b>	

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- I.     COURSE TITLE:                    Body Systems II        Class ID (1625)
- II.    PREPARED BY:                    Pharmacy Technician Adjunct Faculty
- III.   REVISED FOR:                    Fall 2015
- IV.    PREREQUISITES:                *Enrolled Pharmacy Technician Students Only*
- V.     DAYS AND HOURS:                Wednesday and Friday 9:00am-12:35pm
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  Email: Moorepl@wlac.edu
- VIII.  OFFICE HOURS:                15 minutes before class or by appointment
- IX.    COURSE DESCRIPTION

In this course students will learn the use and side effects of prescription medications, nonprescription medications and alternative therapies used to treat diseases affecting the nervous, endocrine, gastrointestinal, reproductive, immune, ears nose & throat, and dermatologic systems. Students will first master an understanding of basic anatomy and physiology and learn the brand and generic name, standard pronunciation, and routes of administration for each medication studied. Students will also learn medical terminology and abbreviations associated with the use of medication therapy affecting the body systems studied.

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**LECTURE SCHEDULE-Fall 2015**

**Note: The schedule is tentative, therefore, subject to change depending upon the class progress. You are responsible for all the announcement and materials covered during your absence.**

Week	Lecture Topic	Reading Assignments & Homework
<b>Wk 1</b> <b>Wed 10/28</b> <b>Fri 10/30</b>	Syllabus: Introduction to the Course Lecture: Nervous System (Ch. 15) Medications	<b>Reading:</b> Ch. 15 <b>Homework:</b> Ch. 15 (WB)

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<b>Wk 1</b> <b>Wed 10/28</b> <b>Fri 10/30</b>	<b>Quiz 1</b> Drug List Lecture: Endocrine System	<b>Reading:</b> Ch. 16 <b>Homework Due:</b> Ch. 15 (WB)
<b>Wk 2</b> <b>Wed 11/04</b> <b>Fri 11/06</b>	Lecture: Endocrine System Medications	<b>Reading:</b> Ch. 16 <b>Homework:</b> Ch. 16 (WB)
<b>Wk 2</b> <b>Wed 11/04</b> <b>Fri 11/06</b>	<b>Quiz 2</b> Drug List Lecture: Gastrointestinal System	<b>Reading:</b> Ch. 20 <b>Homework Due:</b> Ch. 16 (WB)
<b>Wk 3</b> <b>Wed 11/11</b>	<b>HOLIDAY</b> <b>VETERANS DAY</b>	<b>NO SCHOOL</b>
<b>Wk 3</b> <b>Wed 11/11</b> <b>Fri 11/13</b>	<b>Quiz 3</b> Drug List Lecture: Reproductive System	<b>Reading:</b> Ch. 22 <b>Homework Due:</b> Ch. 20 (WB)
<b>Wk 4</b> <b>Wed 11/18</b> <b>Fri 11/20</b>	Lecture: Reproductive System Medications	<b>Reading:</b> Ch. 22 <b>Homework:</b> Ch. 22 (WB)
<b>Wk 4</b> <b>Wed 11/18</b> <b>Fri 11/20</b>	<b>Quiz 4</b> Drug List Lecture: Immune System	<b>Reading:</b> Ch. 23 <b>Homework Due:</b> Ch. 22 (WB)
<b>Wk 5</b> <b>Wed 11/25</b>	<b>Quiz 5</b> Drug List	<b>Reading:</b> Ch. 23 <b>Homework Due:</b> Ch. 23 (WB)
<b>11/26-11/29</b>	<b>THANKSGIVING BREAK</b>	<b>NO SCHOOL</b>
<b>Wk 6</b> <b>Wed 12/02</b> <b>Fri 12/04</b>	Lecture: Ear, Nose, and Throat Medications	<b>Reading:</b> Ch. 24 <b>Homework:</b> Ch. 24 (WB)
<b>Wk 6</b> <b>Wed 12/02</b> <b>Fri 12/04</b>	<b>Quiz 6</b> Drug List Lecture: Dermatologic System	<b>Reading:</b> Ch. 25 <b>Homework Due:</b> Ch. 24 (WB)
<b>Wk 7</b> <b>Wed 12/09</b> <b>Fri 12/11</b>	Lecture: Dermatologic System Medications	<b>Reading:</b> Ch. 25 <b>Homework:</b> Ch. 25 (WB)
<b>Wk 7</b> <b>Wed 12/09</b> <b>Fri 12/11</b>	<b>Quiz 7</b> Drug List Discuss Final Exam	<b>Homework Due:</b> Ch. 25 (WB)
<b>Wednesday</b> <b>12/16</b>	<b>Review for Final Exam</b>	
<b>Friday</b> <b>12/18</b>	<b>Final Exam for Chapters 15, 16,20, 23, 24, 25</b>	

