PHRA 1404-101CL
Pharmacotherapy and Disease Process
Spring 2023
Monday and Thursday 11:15am – 1:15pm

Instructor Information: Lisa Homburg, R. Ph., lhomburg@com.edu, 409-933-8685

Student hours and location: Monday-Thursday 1:15pm-3:15pm, or by appointment.
STEAM Building, Office 255-41

Required Textbook: *Pharmacology for Technicians,* 7th Edition Paradigm Books
By Don A. Ballington and Mary M. Laughlin

Course Description: This course provides a study of the disease state and therapeutic properties of drugs used in pharmaceutical therapy.

Course Requirements: Students will be required to read the chapters and study material as indicated on the course outline. Students will be responsible for answering questions in quiz and exam assessments measuring their understanding and ability to apply course facts and concepts.

 Exams: There will be three multiple choice exams and 1 final exam.

 Mandatory Mid-Semester Meeting: All students are required to meet with the Pharmacy Technician Program Instructor at the mid-point of the semester**.** This meeting will be held virtually over Blackboard Collaborate or Microsoft Teams. This is an opportunity to discuss the student's standing in each course, identify regulatory requirements which must be met, develop a student academic plan, and complete mandatory paperwork.

 Mandatory Nursing and Allied Health Simulation Day-TBD, 8:00am-5:00pm

 Attendance and Participation: Students are expected to attend every class and arrive on time, just as you will be expected to do as a pharmacy technician.   Pharmacy Technicians are a vital part of the pharmacy staff. Attendance will constitute a portion of your final grade as detailed below. Being absent or late (tardy) will affect attendance grade.

Determination of Course Grade/Detailed Grading Formula:
Course work will consist of quizzes, case studies, drug cards, multiple choice exams, a final exam and attendance and participation.

Activity	Percentage Weight
Pronunciation Labs	10%
Quizzes/Case Studies	20%
Exams	30%
Final	30%
Attendance/Participation	10%

Grading Scale:

Letter Grade	Numerical Point Value
A	90-100
B	80-89
C	70-79
D	65-69
F	64 and below

Late Work, Make-Up, and Extra-Credit Policy:

Late Work Policy: Late work will not be accepted.

Make-Up Policy: There is no make-up policy for this course. Students are expected to complete the course activities in a timely manner according to the required due dates. **The student is responsible for obtaining all missed materials and is responsible for meeting all upcoming due dates for assignments, quizzes, and exams, even if the student was absent when the assignment was given**. There will be **no make-up exams** given in any Pharmacy Technician Program courses unless prior arrangements have been made with the instructor in response to extenuating circumstances. If a student misses one exam during the semester in any course, they may use their final exam grade in place of the missed exam grade. If any other exams are missed in any course, a grade of "0" will be given.

Attendance Policy: Students at COM are expected to attend and participate in every session of all courses for which they are registered. College of the Mainland recognizes no excused absences other than those prescribed by law.

The student will receive an attendance grade based on attendance and ACTIVE participation.

If absent, the student is responsible for contacting a classmate to obtain any assignments or materials. The student is responsible for all missed materials and upcoming quizzes/assignments on the assigned due date even if the assignment was given on the day the student was absent.

Note: nonattendance may affect financial aid. If a student fails to meet the attendance requirements, he or she may be recommended for withdrawal from the course. In the case of an anticipated absence, such as military deployment, the student should contact the instructor in advance and make arrangements to complete the required assignments. In case of an emergency (illness/accident or death in family), a student should contact the instructor as soon as possible providing documentation supporting the need for any late submission of a graded event.

Communicating with your instructor: ALL electronic communication with the instructor must be through your COM email. Due to FERPA restrictions, faculty cannot share any information about performance in the class through other electronic means.

The preferred method of contact is **com.edu email**. You may reach me at lhomburg@com.edu. I will respond within 24 hours of receiving your email, Monday through Friday. Emails sent on Fridays may not receive a response until Monday. If you need an immediate response on weekends or evenings, you may use my personal email, lisahomburg@aol.com or text me at 832-677-1423.

Student Learner Outcomes:

Core Objectives: Students successfully completing this course will demonstrate competency in the following Core Objectives:

Student Learner Outcome	Maps to Core Objective	Assessed via this Assignment
Students will define various disease processes, patterns, and pathogenic organisms	Critical Thinking	Diabetes Case Study
Students will describe the various types of drugs utilized in the treatment of each disease	Communication-Oral	ADD and Alzheimer Case Study

Academic Dishonesty: Any incident of academic dishonesty will be dealt with in accordance with college policy and the Student Handbook. Academic dishonesty—such as cheating on exams, forging paperwork, or passing someone else's work off as your own, is an extremely serious offense and will result in a grade of zero on that exam/assignment and a referral to the appropriate office for disciplinary action. It may result in failure of the course and expulsion from the program.

Student Concerns: If you have any questions or concerns about any aspect of this course, please contact me using the contact information previously provided. If, after discussing your concern with me, you continue to have questions, please contact Kay Frieze, Department Chair at 409-933-8414, or kfrieze@com.edu.

PHRA 1404 Course Outline

Week 1	Jan 16	Holiday
	Jan 19	Syllabus/Course Outline Chapter 15 Urinary Incontinence, BPH and UTI Urinary Incontinence, BPH, and UTI Quiz Due Urinary Incontinence, BPH, and UTI Pronunciation Lab Due Jan 26 Urinary Incontinence, BPH, and UTI Drug Cards Due Jan 26
Week 2	Jan 23	Chapter 15 Urinary Incontinence, BPH and UTI Urinary Incontinence, BPH, and UTI Quiz Due Jan 26 Urinary Incontinence, BPH, and UTI Pronunciation Lab Due Jan 26 Urinary Incontinence, BPH, and UTI Drug Cards Due Jan 26
	Jan 26	**Quiz - Urinary Incontinence, BPH, and UTI** **Pronunciation Lab Urinary Incontinence, BPH, and UTI** Chapter 13 Thyroid, and Chapter 14 Male Hormones Thyroid Drug Cards Due Jan 30 Thyroid Drug Quiz Due Jan 30 Thyroid Pronunciation Lab Due Jan 30
Week 3	Jan 30	**Quiz: Thyroid Drugs** **Pronunciation Lab Thyroid Drugs** Chapter 14 Female Hormones Female Hormone Drug Cards Due Feb 2 Female Hormones Quiz Due Feb 2 Female Hormones Pronunciation Lab Due Feb 2
	Feb 2	**Quiz- Female Hormones** **Pronunciation Lab Female Hormones** Chapter 13 Corticosteroids and Chapter 6 Osteoporosis Osteoporosis, Corticosteroid Drug Cards Osteoporosis, Corticosteroids Quiz Due Feb 6 Osteoporosis, Corticosteroid Pronunciation Lab Due Feb 6
Week 4	Feb 6	**Quiz - Osteoporosis, Corticosteroids** **Pronunciation Lab Osteoporosis, Corticosteroid** Chapter 13 Diabetes Diabetes Drug Cards Due Feb 9 Diabetes Medications Quiz Due Feb 9 Diabetes Meds Pronunciation Lab Due Feb 9
	Feb 9	**Quiz - Diabetes Medications** **Pronunciation Lab - Diabetes Meds Pronunciation** Chapter 13 Diabetes-Insulin

		Assignment: Insulin Drug Cards Due Feb 13 Insulin Quiz Due Feb 13 Insulin Pronunciation Lab Due Feb 13
Week5	Feb 13	**Quiz - Insulin** **Pronunciation - Lab Insulin** Case Study: Diabetes Lab and Handout: Using a Blood Glucose Monitor
	Feb 16	**EXAM 1-Chapter 13, 14 and 6**
Week 6	Feb 20	Chapter 6 Muscle Relaxants, Inflammation and Swelling Muscle Relaxers/Non-narcotics Drug Cards Due Feb 23 Muscle Relaxers/Non-narcotics Quiz Due Feb 23 Muscle Relaxers/Non-narcotic Pronunciation Lab Due Feb 23
	Feb 23	**Quiz - Muscle Relaxers/Non-narcotics** **Pronunciation Lab - Muscle Relaxers/Non-narcotic** Chapter 6 Arthritis Conditions (NSAIDS **Assignment:** NSAIDS Drug Cards Due Feb 27 NSAIDS Quiz Du Feb 27 NSAIDS Pronunciation Lab Due Feb 27
Week 7	Feb 27	**Quiz -** NSAIDS **Pronunciation Lab** - NSAIDS **PowerPoint:** Chapter 6 Gout and Rheumatoid Arthritis (DMARDS) **Assignment:** Gout and DMARD Drug Cards Due Mar 2 DMARDs and Gout Quiz Due Mar 2 DMARDS and Gout Pronunciation Lab Due Mar 2
	Mar 2	**Quiz - DMARDs and Gout** **Pronunciation Lab DMARDS and Gout** Chapter 5 Topicals for Sun-Damage and Topical Steroids Topicals and Topical Steroid Drug Cards Due Mar 6 Topicals and Topical Steroids Quiz Due Mar 6 Topicals and Topical Steroids Pronunciation Lab Due Mar 6
Week 8 **SCHEDULE** **MID_SEMSTER** **MEETING**	Mar 6	**Quiz - Topicals and Topical Steroids** **Pronunciation Lab Topicals and Topical Steroids** Chapter 5 Skin Diseases, Disorders, Infections, Lice & Disinfectants Skin Diseases, Disorders, Infections, Lice & Disinfectant Drug Cards Due Mar 9 Skin Disorders Quiz Due Mar 9 Skin Disorders Pronunciation Lab Due Mar 9
	Mar 9	**Quiz - Skin Disorders** **Pronunciation Lab Skin Disorders**

		Chapter 9 Ophthalmic/Glaucoma/Otic
		Ophthalmic/Glaucoma/Otic Drug Cards Due Mar 20
		Ophthalmic/Glaucoma and Otic Quiz Due Mar 20
		Ophthalmic/Glaucoma/Otic Pronunciation Lab Due Mar 20
		Lab: Teach Proper Use of Ophthalmics
Spring Break	Mar 13-Mar 17	SPRING BREAK
Week 9	Mar 20	**Quiz - Ophthalmic/Glaucoma and Otic**
		Pronunciation Lab : Ophthalmic/Glaucoma/Otic
		Review for Exam 2
	Mar 23	**EXAM 2 Chapters 5, 6 and 9**
Week 10	Mar 27	Chapter 7 Nervous System Disorders-Epilepsy
		Epilepsy/Anticonvulsant Drug Cards Due Mar 30
		Epilepsy/Anticonvulsant Drug Quiz Due Mar 30
		Epilepsy/Anticonvulsant Pronunciation Lab Due Mar 30
	Mar 30	**QUIZ - Epilepsy/Anticonvulsant Drugs**
		Pronunciation Lab Epilepsy/Anticonvulsant
		Chapter 7 Nervous System Disorders-- Parkinson's and Alzheimer's
		Parkinson's and Alzheimer Drug Cards Due Apr 3
		QUIZ Parkinson's and Alzheimer Quiz Due Apr 3
		Parkinson's and Alzheimer Pronunciation Lab Apr 3
Week 11	Apr 3	**QUIZ - Parkinson's and Alzheimer**
		Pronunciation Lab Parkinson's and Alzheimer
		Chapter 7 Nervous System Disorders- ADD -Case Study
		ADD Drug Cards Due Apr 6
		ADD Drug Quiz Due Apr 6
		ADD Drugs Pronunciation Lab Due Apr 6
	Apr 6	**Quiz - ADD Drugs**
		Pronunciation Lab ADD Drugs
		Review for Exam
Week 12	Apr 10	**Exam Chapter 7**
	Apr13	Chapter 20 Chemotherapy Drugs
		Chemotherapy Drug Cards Apr 17
		Chemotherapy Drugs Quiz Due Apr 17
		Chemotherapy Drugs Pronunciation Lab Due Apr 17
Week 13	Apr 17	**Quiz – Chemotherapy Drugs**
		Pronunciation Lab - Chemotherapy Drugs
		PowerPoint: Chapter 16 Breast Cancer, Hormonal Therapy and Targeted Therapies

		Breast Cancer, Hormonal Therapy and Targeted Therapies Drug Cards Due Apr 20
		Breast Cancer, Hormonal Therapy and Targeted Therapies Quiz Due Apr 20
		Breast Cancer, Hormonal Therapy and Targeted Therapies Drug Pronunciation Lab Due Apr 20
	Apr 20	**Quiz -** Breast Cancer, Hormonal Therapy and Targeted Therapies **Pronunciation Lab** Breast Cancer, Hormonal Therapy and Targeted Therapies Poisons and Antidotes Poison Antidotes Drug Cards Due Apr 24 Poison Antidotes Quiz Due Apr 24 Poison Antidotes Pronunciation Lab Due Apr 24
Week 14	Apr 24	**Quiz - Poison Antidotes** **Pronunciation Lab Poison Antidotes** Emergency Procedures Review for Final Exam
	Apr 27	Resume and Interview Presentation-Career Services (Participation Grade)
Week 15	May 1	Mock Interview Day (Participation Grade)
	May 4	Final Exam
Week 16	May 8	Final Exam

Important Note: This syllabus, along with course assignments and due dates, are subject to change. It is the student's responsibility to check Blackboard for corrections or updates to the syllabus. Any changes will be clearly noted in a course announcement or through email.

Institutional Policies and Guidelines

Grade Appeal Process: Concerns about the accuracy of grades should first be discussed with the instructor. A request for a change of grade is a formal request and must be made within six months of the grade assignment. Directions for filing an appeal can be found in the student handbook. https://www.com.edu/student-services/docs/Student_Handbook_2022-2023_v2-1.pdf *An appeal will not be considered because of general dissatisfaction with a grade, penalty, or outcome of a course. Disagreement with the instructor's professional judgment of the quality of the student's work and performance is also not an admissible basis for a grade appeal.*

Academic Success & Support Services: College of the Mainland is committed to providing students with the necessary support and tools for success in their college careers. Support is offered through our Tutoring Services, Library, Counseling, and through Student Services. Please discuss any concerns with your faculty or an advisor.

ADA Statement: Any student with a documented disability needing academic accommodations is requested to contact Kimberly Lachney at 409-933-8919 or klachney@com.edu. The Office of Services for Students with Disabilities is located in the Student Success Center.

Counseling Statement: Any student that is needing counseling services is requested to please contact Michelle Brezina in the Student Success Center at 409-933-8520 or mvaldes1@com.edu. Counseling services are available on campus in the student center for free and students can also email counseling@com.edu to setup their appointment. Appointments are strongly encouraged; however some concerns may be addressed on a walk-in basis.

Textbook Purchasing Statement: A student attending College of the Mainland is not under any obligation to purchase a textbook from the college-affiliated bookstore. The same textbook may also be available from an independent retailer, including an online retailer.

Withdrawal Policy: Students may withdraw from this course for any reason prior to the last eligible day for a "W" grade. Before withdrawing students should speak with the instructor and consult an advisor. Students are only permitted to withdraw six times during their college career by State law. The last day to withdraw is April 24, 2023.

FN Grading: The FN grade is issued in cases of *failure due to a lack of attendance*, as determined by the instructor. The FN grade may be issued for cases in which the student ceases or fails to attend class, submit assignments, or participate in required capacities, and for which the student has failed to withdraw. The issuing of the FN grade is at the discretion of the instructor.

Early Alert Program: The Student Success Center at College of the Mainland has implemented an Early Alert Program because student success and retention is very important to us. I have been asked to refer students to the program throughout the semester if they are having difficulty completing assignments or have poor attendance. If you are referred to the Early Alert Program you will be contacted by someone in the Student Success Center who will schedule a

meeting with you to see what assistance they can offer in order for you to meet your academic goals.

Resources to Help with Stress: If you are experiencing stress or anxiety about your daily living needs including food, housing or just feel you could benefit from free resources to help you through a difficult time, please click here https://www.com.edu/community-resource-center/. College of the Mainland has partnered with free community resources to help you stay on track with your schoolwork, by addressing life issues that get in the way of doing your best in school. All services are private and confidential. You may also contact the Dean of Students office at deanofstudents@com.edu or communityresources@com.edu.

Notice to Students Regarding Licensing: Effective September 1, 2017, HB 1508 amends the Texas Occupations Code Section 53 that requires education providers to notify potential or enrolled students that a criminal history may make them ineligible for an occupational license upon program completion. The following website provides links to information about the licensing process and requirements: (https://www.ptcb.org/get-certified/apply-for-cpht#.W34ziOhKjIU, https://www.pharmacy.texas.gov/ and https://www.pharmacy.texas.gov/files_pdf/Licensure%20QA.pdf).

Should you wish to request a review of the impact of criminal history on your potential Pharmacy Technician Certification and Texas State Board of Pharmacy Registration prior to or during your quest for a degree, you can visit this link and request a "Criminal History Evaluation": (https://www.ptcb.org/ and https://www.pharmacy.texas.gov/).

COM is providing this information to all persons who apply or enroll in the program, with notice of the requirements as described above, regardless of whether or not the person has been convicted of a criminal offense. Additionally, HB 1508 authorizes licensing agencies to require reimbursements when a student fails to receive the required notice.

Course Structure
This course will be delivered face-to-face with assignments/quizzes/exams delivered online through the course management system D2L Brightspace. You will use your COM account to log in to the course from the D2L Brightspace login page - https://com.brightspace.com/. If you have not activated your COM account, please visit https://webadvisor.com.edu.
In D2L Brightspace, you will access online lessons, course materials, and resources. At designated times throughout the semester, students will participate in activities which may consist of but not be limited to quizzes, exams, questions/assignments, chat, blogs, discussion forums, email, journaling, blogging, wikis, and web posting using D2L Brightspace and/or alternative Internet-based technologies.

To access this course on D2L Brightspace you will need access to the Internet and a supported Web browser (Chrome, Firefox, Safari). To ensure that you are using the recommended personal computer configurations, please refer to the course requirements section in this syllabus.

Viewing Grades in D2L Brightspace: Students can view their grades by clicking on the **My Grades** link in the course menu in D2L Brightspace.

Required Skills

Students enrolled in this course should possess the following technology skills:

- The ability to use latest stable releases of Google Chrome, Mozilla Firefox, or Safari 10.X web browsers.
- The ability to access information via the Internet
- The ability to use D2L Brightspace and associated tools, including discussion boards, chat rooms, online testing, and assignment submission features
- The ability to use Respondus LockDown Browser and Respondus Monitor (see section, "Using LockDown Browser and a Webcam for Online Exams" for more details)
- The ability to use any necessary publisher content (examples: Cengage, SIMnet, MindTap, MyMathLab, etc.)
- The ability to use word processing software, and to save in alternate formats
- The ability to send, receive and include attachments using email
- The ability to demonstrate netiquette (appropriate online conduct)

Software and Hardware

- Minimum recommended computer and internet configurations for online courses can be found here.
- Internet connection (DSL, LAN, or cable connection desirable)
- An up-to-date operating system from Microsoft or Apple - PC platforms should run Windows 7 or newer; Mac platforms should run OS 10.8 or newer (Chromebooks, tablets, and mobile devices are not compatible with all online course components)
- Access to D2L Brightspace
- Latest stable release of JAVA
- 256 MB RAM
- 20 MB free disk space
- A microphone and headphones (A headset with microphone/headphones is highly recommended, but not required.)
- Webcam
- Any other tools, resources, and materials needed by the student for the course.

Technical Assistance

For technical assistance during the course or to report a problem with D2L Brightspace you can visit the Educational Technology Services support site: http://de-support.com.edu/requests
For technical assistance with campus Wi-Fi, COM user ID or password, and other campus related IT needs, visit: https://helpdesk.com.edu/

Online Etiquette (Netiquette)
Discussion, chat, and e-mail spaces within this course are for class purposes only, unless otherwise stated. Please remember to conduct yourself collegially and professionally. What you say in the online environment is documented and not easily erased or forgotten.

The following guidelines apply:
- Avoid using ALL CAPS, sarcasm, and language that could come across as strong or offensive.
- Use proper punctuation and grammar, and be sure to edit your contribution before posting.
- Read all posts before contributing your own to avoid unnecessarily repeating information.
- Keep chat comments brief and to the point.
- Focus on one topic at a time when chatting or posting to discussions.
- Remember that what you say in discussions and chats is documented and available to be revisited. Choose your words and discussion topics carefully.
- E-mail should only be used for messages pertaining to the course. Please refrain from sending forwards, jokes, etc.

Technology Outage
Students are responsible for maintaining their hardware, software, and Internet connection to the course. If you are incapable of maintaining your own system, please use the computers available on campus or take the CL section of the course. (NB, Access to college computers is limited by the hours of operation for the computer labs and library. You are responsible for staying abreast of these times.) No additional time will be provided for hardware, software, or Internet connection problems that interfere with your ability to access the course and complete your assignments and assessments. If a verifiable interruption in the access to the Course Management System that lasts for fifteen minutes or longer and occurs within twenty-four hours of an assignment or assessment, the deadline for the assignment or assessment may be extended at the discretion of your instructor.