COURSE DESCRIPTION:

Focuses on the basic drug classifications, concepts and principles of pharmacology, with special consideration for the nursing role in developing a comprehensive approach to the clinical application of drug therapy through the use of the nursing process. Nursing implications relative to the utilization of drug therapy are examined. Dosage calculations are evaluated for competency. (Is a pre-requisite for admission into the nursing program.)

COURSE OBJECTIVES:

1. Patient Education- Develop skills to provide patient education regarding drug therapy.
   a. Demonstrate ability to use sound, evidence-based resources for consumer drug information.

2. Safety - Describe strategies employed for patient protection during the preparation and administration of medications.

3. Nursing Implications - Demonstrate an understanding of the nursing implications of drug therapy.

4. Pharmacological Terminology- Define basic pharmacological terminology.

5. Understand Basic Pharmacologic Processes - Develop a practical understanding of various pharmacokinetic and pharmacodynamic processes.

7. Classes of Drugs Used for Treatment of disease - Describe major classifications of drugs used in modern treatment of disease.

8. Dosage Calculations - Demonstrate competency in performing clinical drug and dosage calculations.

9. Evaluate Drug Therapy - Develop an understanding of the processes of evaluation of drug therapy.

**REQUIRED TEXTS AND RESOURCES:**

**Required Textbook:**

Lilley, L., Collins, S., Snyder, J. (2017). *Pharmacology and the Nursing Process* (8th ed.). St. Louis, MO: Elsevier. ISBN: 9780323542425 (This is mandatory and must be purchased in the TAMUCC bookstore. It will include an eBook, Sherpath, and a black and white copy). Please do not use the access code until classes start. You will use the access code through Blackboard.

Sherpath is learning system from Evolve/Elsevier that is designed to assist in your learning pharmacology and is required for this course. All lessons will be in Sherpath that is accessed through Blackboard.

**Additional Required Online Resources:**

Examity proctoring: *This course requires the use of exam-proctoring involving third party charges. Exam-proctoring charges will range from $16.00 - $50.00 per exam. Students will be required to schedule exams at least 24 hours in advance or incur late scheduling charges. All costs for exams are the responsibility of the student. Students will also be responsible for providing webcam with a microphone to be used in test proctoring.* See Orientation Unit/Lesson under Course Content for further instructions.

**Optional Resources:**

E-Study Guide: ISBN: 9780323371384 (only purchased through your student EVOLVE @ evolve.elsevier.com

(This book is not required, but may be a useful resource for this course)


(This book is not required for this course, but some students find it helpful during the math module that will be presented towards the end of the semester. It is a required textbook for Fundamentals.)
Learning Experiences

Discussion, independent reading, and study are used to stimulate the development of an understanding of theory, process and principles of clinical application of drug therapy through the use of the nursing process. Classes will focus on evaluation, application and utilization of drug groups or specific representative drugs used for different body systems and nursing application in administering these drugs. The student is responsible for identification of individual learning needs, self-direction, and demonstration that learning has occurred. Faculty will provide guidance to assist the student’s successful completion of this course. This course values independent thinking and the challenging of ideas.

Course objectives are met through individual study using assigned readings, suggested resources, active involvement in virtual classroom activities (discussions and chats), exchange of ideas with classmates and faculty, and utilizing critical thinking skills. Teaching methods includes power point presentations, small group discussion, case study analysis, independent study of texts and additional resources. Class participation makes up a significant portion of your course grade and will be evidenced by individual and group assignments. While the faculty will provide guidance and consultation, the student is responsible for identification of learning needs, self-directed learning, seeking additional resources, and communicating learning needs to faculty as needed to achieve course objectives.

The on-line format of this course has the same rigor and expectations for learning as the face to face Pharmacology course. This course follows a set on-line schedule for weekly participation. The schedule is available in the Blackboard course and calendar.

Class Time: This section of NURS 3342 is web-based and the principles of asynchronous distance learning apply for all students. The online weekly schedule begins on Monday at 0800 and ends on Saturday at 2359. (You will note that the Sherpath lessons will become available on Sundays. You can start working on them at that time, if you choose to do so).

Web Class Specifics:

1. Students must have basic computer skills to navigate the course.

2. Students must have access to reliable Internet to successfully communicate with the faculty and students enrolled in this course, as well as completing assigned work. Computer or Internet problems are not an excuse for late work. Students should have a back-up plan for Internet access in case of emergencies.

3. Web-based courses do not reduce the amount of time you are likely to spend completing course requirements. Rather, the time spent in the course is set by your personal learning style, not a lecture schedule.

4. After completion of Unit 1 during week one, those of you who experience problems with navigation of the Web-based learning course should inform the instructor immediately. Computer or Internet problems are not an excuse for late work or lack of participation. Students should have a
back-up plan for internet access in case of emergencies.

5. Logging into this Blackboard course to read announcements, discussions, and email is essential to success in the course and consistent, DAILY log-in during the student’s work week is recommended.

6. Upon receipt of communication via email from your faculty, the student is expected to acknowledge the message by replying to the message within 24 hours of receipt. Faculty will respond to any correspondence from the student within 48 hours (except weekends where you may not have a response until Monday), unless the other arrangements have been made by the instructor. This will be communicated by the instructor via Blackboard.

**Student Evaluation** is ongoing to enhance experiential learning and provides the student with feedback regarding performance in meeting course objectives. Evaluation methods include weekly participation scoring by discussion postings, Sherpath assignments, Blackboard quizzes, and scheduled examinations that provide the student opportunity to demonstrate mastery of course objectives. Faculty and Course Evaluation are a required part of this course.

**Faculty Conferences** provide an opportunity to discuss progress toward course objectives and will be scheduled on an “as needed” basis. Students or faculty may initiate a faculty conference. Conferences may be conducted via webex, and/or by telephone, for online courses.

**Classroom Civility**

The learning process involves an exchange of ideas and an exploration of concepts between faculty and students. Students must log in to the Bb course to participate in classroom activities. A certain level of decorum facilitates the on-line learning process for learners and teachers. The on-line learning environment communication and behavior guidelines should be reviewed in "Netiquette" found in the Course Orientation Module.

**Grading**

Grading is a process of measuring the outcomes of learning against standards and assigning a symbol to the level of performance achieved. The final determination of the grade, therefore, rests with the professor.

<table>
<thead>
<tr>
<th>Grading Scale</th>
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</thead>
<tbody>
<tr>
<td>A</td>
<td>90 -100 (89.5 and above)</td>
</tr>
<tr>
<td>B</td>
<td>83 – 89 (82.5 and above)</td>
</tr>
<tr>
<td>C</td>
<td>75 – 82 (74.5 and above)</td>
</tr>
<tr>
<td>D</td>
<td>67 – 74</td>
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</tbody>
</table>
### Course Grade Components

<table>
<thead>
<tr>
<th>Component</th>
<th>TOTAL</th>
</tr>
</thead>
<tbody>
<tr>
<td>4 Exams (Please note that the student must attain a 75% test average before any of the below will be factored into the final grade)</td>
<td>50% of course grade*</td>
</tr>
<tr>
<td>Class participation:</td>
<td></td>
</tr>
<tr>
<td>Weekly Discussions</td>
<td>Weekly Participation Assignments are available in schedule and calendar.</td>
</tr>
<tr>
<td>Unit Quizzes</td>
<td>Due dates will be located under the Units/Lessons tab</td>
</tr>
<tr>
<td>Math Module (self study)</td>
<td>Lessons and Due Dates located under Units/Lessons</td>
</tr>
<tr>
<td>Sherpath assignments</td>
<td></td>
</tr>
</tbody>
</table>

**Very Important to Understand - *Students must achieve an average of 75% or higher exam average for the four Exams.** Grades for other components will not count unless the student has attained a 75% cumulative average on the four exams. If the student fails to attain the 75% exam average, the student’s grade is SAIL is the exam average - without any other assignments calculated into the grade.

Students with less than 75% exam average should make an appointment for a faculty conference as soon as possible.

All tests and quizzes are timed. **Please make arrangements to be available every Monday from 0800-2100 to take exams as noted in the schedule; they are not given at any other time. Quizzes will be available from Monday and are due by the Saturday, noted under that unit, at 2359. The quizzes do not require a password, but you will need Respondus Lockdown Browser (link provided under Unit 1) to access the quizzes.** It is recommended to not wait until the last minute to take the quizzes.

**“Extra credit”-** As nursing is a profession with specific, non-negotiable standards and competencies, there will be no opportunity for “extra” credit assignments. You must meet the criteria and standards of mastery in order to pass the exams and the course.

<table>
<thead>
<tr>
<th>Grade</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>F</td>
<td>below 67</td>
</tr>
</tbody>
</table>
EXAMS

Students will be required to take their exams through Examity on the date specified on the Course Calendar. Instructions are located in the Orientation Unit under Course Content.

This course requires the use of exam-proctoring involving third party charges. Exam-proctoring charges will range from $16.00 - $50.00 per exam. Students will be required to schedule exams at least 24 hours in advance or incur late scheduling charges. All costs for exams are the responsibility of the student. Students will also be responsible for providing webcam with a microphone to be used in test proctoring. See Orientation Unit/Lesson for further instructions.

1. If the student has a severe illness or tragedy which causes the student to be absent from a scheduled exam, the faculty must be notified of the absence prior to the start of the exam.

2. If the student does not notify the course faculty about an absence prior to the start of the exam a grade of 0 (zero) for the exam may be averaged into the student’s final grade.

3. If the student is allowed to take the missed exam at a later time, the exam will be administered in Examity within days of the original scheduled exam date. This will be determined by the instructor. Proctored exams may result in added expense to the student. The instructor may decide to count the next exam twice to make up for the missed exam. The decision will be at the discretion of the instructor.

4. If a second or third exam is missed, a grade of 0 (zero) for each exam will be averaged into the student’s final grade.

5. Students are required to take all Exams in Examity on the test dates listed in the calendar. The exams will be available between 0800 and 2100. Please make sure to make arrangements to be available during this timeframe to take the exams. Examity may result in added expense to the student.

6. Students must attain a 75% cumulative average on course exams, as previously stated, in order for the other course content to factor into the final grade. If this average is not attained, the Exam average will be the grade posted in SAIL.

7. Students with documented specialized test-taking needs should discuss this with the faculty within two weeks after the start of the semester and contact the office of Students with Disabilities to ensure the proper documentation is completed. (See below.)

8. Students will be allowed to use a (dry erase) white board during the exam. The student will be required to show the proctor the front and back before the start of the exam. The student will, again, show the white board to the proctor at the end and erase it in front of the proctor. Additional instructions will be given to the student at the beginning of the exam by the proctor.

9. Due to test security concerns, there is limited opportunity to review testing materials. If you have any questions about the exams, please contact your instructor to discuss the exam.

10. There should be no use of references (textbooks or electronic resources) during the examination.
11. Being in possession of ANY testing materials is defined as cheating. Refer to University Academic Misconduct Policy.

WEEKLY CLASS PARTICIPATION REQUIREMENTS

Weekly participation in the course is required. The majority of the weeks, students will participate in discussion of specific questions aimed at meeting unit and course learning objectives. Refer to the Units under Course Content and Schedule for specific weekly participation assignments. Discussion assignments begin Monday at 0800 and end on Saturday at 2100, unless otherwise specified in the schedule (please see below). All graded written assignments are subject to anti-plagiarism software scanning. Sherpath assignments and due dates will be listed under the Course Content section and will be accessed through Blackboard. Please note that Sherpath lessons will become available on Sundays, you may start to work on them, if you choose to.

Discussion Grading: For Blackboard online classes, please follow the instruction located under the Course Content tab: Discussion Question for Postings which will be available under the specific unit. You may be put into groups at the beginning of the course, as there may not be enough questions for everyone to make an initial posting. Initial postings should be within 48 hours of when the assignment is posted (by Wednesday at 2100. It should be at least 75 words in length and be properly cited (APA format). Response postings should be posted by Saturday at 2100 (preferably before this, for student engagement). You will be required to respond to 2 original postings (as directed in the Discussion instructions for that week) if it was not your turn to make an original post. Again, it should be at least 75 words in length and be properly cited (APA format). You will be graded for content, format and appropriateness of your response. Postings after 2100 (CDT) on the scheduled night (either Wednesday or Saturday) will be considered late and may not be graded.

Dropping a Class: Hopefully, you would never find it necessary to drop this or any other class. However, events can sometimes occur that make dropping a course necessary or prudent. Please consult with BOTH your academic advisor and faculty before you decide to drop to be sure it is the best thing to do. Dropping a course can affect scholarships, financial aid eligibility, your GPA, your sequencing, progress, and acceptance into or standing in the nursing program. Should dropping the course be the best course of action, you must initiate the process to drop the course by going to the Student Services Center and filling out a course drop form. Just stopping attendance and participation WILL NOT automatically result in your being dropped from the class. There is a deadline for the last day to drop a class with an automatic grade of “W” this term.
**Academic Advising:** The College of Nursing and Health Sciences require that students meet with an Academic Advisers soon as they are ready to declare a major. The Academic Advisor will set up a degree plan, which must be signed by the student, a faculty mentor, and the department chair. The College's Academic Advising Center is located in Island Hall 3rd floor. Appointments can be made by calling 361-825-2648.

**POLICIES:**

**Evaluation Input From Students**

The faculty of the College of Nursing and Health Sciences places great value on evaluative input from students. Evaluation of courses, instructors and clinical facilities provides the College with important data which is used to strengthen the program. Data is analyzed as to trends and themes and is important to curriculum and sequencing decisions. All evaluations for courses posted are online. The online mechanism allows us the opportunity to tabulate and store information in order to analyze trends within the curriculum. Please be assured that this information is secured and not released until after grades are submitted. No names are available to faculty. In order to garner some reliability and validity, the College must have representative data from the student population. That representation, based on the literature, has been set at 70%. The College is anticipating that students will thoughtfully participate in the evaluation process which will assist the faculty with the growth of the program. A link to evaluations will be available on Blackboard toward the end of the semester. Thank you in advance for your assistance with the evaluation process.

**Academic Integrity and Honesty**

It is expected that University students will demonstrate a high level of maturity, self-direction, and ability to manage their own affairs. Students are viewed as individuals who possess the qualities of worth, dignity, and the capacity for self-direction in personal behavior. University students are expected to conduct themselves in accordance with the highest standards of academic honesty. Academic misconduct for which a student is subject to a penalty includes all forms of cheating, such as illicit possession of examinations or examination materials, forgery, or plagiarism. (Plagiarism is intentionally, knowingly, or carelessly presenting the work of another as one’s own). Please see the following sites for additional information:

- University Student Handbook and Code of Conduct: [http://www.tamucc.edu/~students](http://www.tamucc.edu/~students)
- University catalog related to academic integrity and honesty: [http://catalog.tamucc.edu/](http://catalog.tamucc.edu/)
- University Rules and Procedures: [University Procedure 13.02.99.C3.01 Academic Misconduct Cases](http://www.tamucc.edu/~students)
Students with Disabilities

The Americans with Disabilities Act (ADA) is a federal anti-discrimination statute that provides comprehensive civil rights protection for persons with disabilities. Among other things, this legislation requires that all students with disabilities be guaranteed a learning environment that provides for reasonable accommodation of their disabilities. If you believe you have a disability requiring an accommodation, please contact the Disability Services Office at 361.825.5816 or visit the office in CCH 116. If you are a returning veteran and are experiencing cognitive and/or physical access issues in the classroom or on campus, please contact the Disabilities Services office for assistance at (361) 825-5816.

Title IX

As part of the Texas A & M Corpus Christi University policy, pregnant students are urged to contact the Title IX office for facilitation of academic issues impacted by pregnancy, delivery and subsequent complications. Contact information: Mr. Samuel Ramirez, Title IX Coordinator or Ms. Rosie Ruiz, Deputy Title IX Coordinator (825-5826).

Grade Appeals Process

The College of Nursing and Health Sciences (CONHS) adheres to the University’s student grade appeal procedures described in Section 13.02.99.C2.01 (revised May, 2013) and follows those guidelines. See http://academicaffairs.tamucc.edu/Rules_Procedures/ for the University procedure and see http://conhs.tamucc.edu/shb/ for the CONHS process identified in the Student Handbook.

Support Services

Students are encouraged to seek faculty assistance in accessing University Services, including tutoring, health services, personal counseling, degree counseling, financial aid, learning resources, job/work placement, career guidance, and computer/technical support/instruction. If a student is interested in other support services provided by the University, the student is encouraged by the College of Nursing and Health Sciences and the University to seek these service.
Syllabus Course Outline:

Unit 1:  
  Orientation Module  
  Chapter 1: The Nursing Process and Drug Therapy  
  Chapter 2: Pharmacologic Principles  
  Chapter 3: Lifespan Considerations  

Unit 2:  
  Chapter 4: Cultural, Legal, and Ethical Considerations  
  Chapter 5: Medication Errors: Preventing and Responding  
  Chapter 6: Patient Education and Drug Therapy  
  Chapter 7: Over-the-Counter Drugs and Herbal and Dietary Supplements  
  Chapter 8: Gene Therapy and Pharmacogenomics  

Unit 3:  
  Chapter 18: Adrenergic Drugs  
  Chapter 19: Adrenergic-Blocking Drugs  
  Chapter 20: Cholinergic Drugs  
  Chapter 21: Cholinergic-Blocking Drugs  

Unit 4:  
  Chapter 10: Analgesic Drugs  
  Chapter 11: General and Local Anesthetics  
  Chapter 12: Central Nervous System Depressants and Muscle Relaxants  
  Chapter 13: Central Nervous System Stimulants and Related Drugs  

Unit 5:  
  Chapter 14: Antiepileptic Drugs  
  Chapter 15: Antiparkinson Drugs  
  Chapter 38: Antibiotics, Part 1  
  Chapter 39: Antibiotics: Part 2  

Unit 6:  
  Chapter 40: Antiviral Drugs  
  Chapter 41: Antitubercular Drugs  
  Chapter 42: Antifungal Drugs  
  Chapter 44: Antiinflammatory and Antigout Drugs  

Unit 7:  
  Chapter 22: Antihypertensive Drugs  
  Chapter 23: Antianginal Drugs  
  Chapter 24: Heart Failure Drugs  

Unit 8:  
  Chapter 25: Antidysrhythmic Drugs  
  Chapter 26: Coagulation Modifiers  
  Chapter 27: Antilipemic Drugs  
  Chapter 28: Diuretic Drugs  

Unit 9:  
  Chapter 29: Fluids and Electrolytes  
  Chapter 36: Antihistamines, Decongestants, Antitussives, and Expectorants  
  Chapter 37: Respiratory Drugs
Unit 10: Chapter 30: Pituitary Drugs
               Chapter 31: Thyroid and Antithyroid Drugs
               Chapter 32: Antidiabetic Drugs
               Chapter 33: Adrenal Drugs
               Chapter 34: Women’s Health Drugs
               Chapter 35: Men’s Health Drugs

Unit 11: Chapter 50: Acid-Controlling Drugs
           Chapter 51: Bowel Disorder Drugs
           Chapter 52: Antiemetic and Antinausea Drugs
           Chapter 53: Vitamins and Minerals
           Chapter 54: Anemia Drugs
           **Math module self-study**