NUR 105 Pharmacology for Nurses

Course Description
NUR 105 Pharmacology for Nurses
Lecture 1; Lab 3; Course credit 1
This course is an introduction to the basic concepts of pharmacology related to drug administration. Dosage calculations are covered as well as concepts of medication administration and an overview of drug categories.

Prerequisites: Acceptance into the Nursing Program or Advanced Placement; completion of MAT 101 and MAT 102 or COMPASS placement for MAT 120.
Co-requisites: NUR 102, PSY 201, BIO 210.

Course Focus
This course is an introduction to the basic concepts of pharmacology related to drug administration. Dosage calculations are covered as well as concepts of medication administration and an overview of drug categories.

Texts
Required


Access to online Kaplan products.

The course-appropriate lab kit is also required.

Optional

TEXT AND REFERENCES
No Purchase Necessary. Beginning Fall 2021, TCL implemented a new textbook model called First Day Complete (FDC). With FDC, a per credit hour book fee was added to your tuition at the time of registration. Please check your new TCL email account where you have been sent a link to reserve your books with the TCL College Store. Refer to this link for all details concerning FDC https://www.tcl.edu/first-day-complete-textbook-program/

Course Outcomes. Upon successful completion of the course a student will be able to:
1. describe the nursing student’s role in safe and effective administration of selected medications.
2. outline the nurse’s fundamental responsibilities with respect to medication administration.
3. state the major characteristics of selected drug classifications.
4. accurately solve beginning dosage calculation problems.

**Course Topic Outline/Purpose.** See course website for detailed outline.

1. Dosage Calculations
2. Administration of oral medications
3. Parenteral administration
4. Topical, transdermal, and mucosal administration
5. Pharmacodynamics and pharmacokinetics
6. Scheduled drugs and pregnancy risk
7. Legal and ethical issues
8. Overview of drug classifications and actions

**Course Goals.** The following goals will be addressed in the course (*designates CRUCIAL goals).

1. Describe safe and effective medication administration.
2. Solve word problems.
3. Review mathematical operations.
4. Outline legal and ethical medication administration responsibilities.*
5. Solve dosage calculation problems.*
6. Interpret prescriptions.
7. Apply safety practices.*
8. Identify medication-related complications.
10. Read syringe medication volume.*
11. Discern needle sizes.*

Until further notice, there is a mask mandate in place indoors at TCL. Failure to adhere to the mask requirement will result in the following:

- First Offense: Verbal Warning
- Second Offense: You will be asked to leave class with an absence for that day.
- Third Offense: You will be asked to leave class and must meet with Associate Vice President Rodney Adams in Building 2 room 203 prior to returning to class.

In addition, all students will be required to wear PPE as deemed appropriate and necessary per clinical facility for the duration of the clinical experience. Students may also be required to wear additional PPE while participating in “on campus” lab activities to provide an environment that is representative of the program’s clinical facilities. Failure to adhere to this mandate will render the student ineligible to participate in clinical rotations or “on campus” activities, and therefore unable to progress in the program.

**Student Contributions**
Classes are designed to employ a variety of teaching techniques. In order to maximize learning, all required readings as well as laboratory and online learning activities should be completed. If a student is falling behind in lab performance and/or academic achievement, it is imperative to seek immediate assistance from the instructor.

Achievement assessments may be given to assist in the evaluation of individual student progress and to support student success. The dates for completion of these tests are posted on the course calendar. Students who do not achieve the required scores are encouraged to meet with the course coordinator and complete the prescribed remediation. The date for completion of remediation, completion of tutorials, and/or focused assessments, when required, are
determined by the course coordinator. Failure to complete testing, tutorials, or required remediation by the dates indicated will result in a grade of Incomplete ("I") for the course and non-progression in the nursing program. Students having difficulty with the online tutorials or tests must speak personally with the course coordinator three (3) business days or more in advance of the published due dates.

**Nursing Laboratory**

Nursing skill laboratory hours are a part of the total clinical hours for the course. Learning experiences in the nursing laboratory provide an opportunity for the student to become familiar with equipment and techniques. The student utilizes the nursing laboratory to practice new skills. Skills must be practiced in the laboratory before utilization in the clinical setting. Competence must be demonstrated in the nursing laboratory and clinical setting. Students are responsible for material covered in campus laboratory. In order to progress in the course and program, by the end of the course each student MUST achieve a satisfactory skill criterion and demonstrate competence in laboratory skills.

At the conclusion of each laboratory experience, the student’s performance is evaluated. The student is awarded 1 point for each satisfactory performance and 0 points if performance is unsatisfactory. The student must have 4 lab points in order to be successful in the course. In the event a student is a “no call/no show” to lab, 2 points shall be deducted from the total points available therefore rendering the student ineligible to be successful in the course. The student’s performance is evaluated based on environmental contribution, attendance, professional attire and preparedness. Expectations include but are not limited to:

1. Contributing to a productive learning environment for self and others by
   a. being prepared for lab activities by reading and watching assigned videos if applicable.
   b. answering questions and identifying steps or processes regarding skills.
   c. demonstrating mastery of skills.
   d. remaining attentive.

2. Arriving and departing on time. Attendance is expected for each scheduled laboratory experience. For any missed lab, the student is responsible for notifying the course coordinator before the assigned lab time. The student is also responsible for contacting the course coordinator to schedule a time to make up the lab and demonstrate skills.

3. TCL Nursing Uniforms are to be worn in all laboratory learning sections.

4. In the event a ‘Live Lab’ is not held, completion of alternate activity/assignment by deadline provided.

*No recording-taping of any lectures, clinical, and/or laboratory material is allowed.*

**Course Evaluation**

<table>
<thead>
<tr>
<th>Laboratory</th>
<th>Must earn a Satisfactory in all labs</th>
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</thead>
<tbody>
<tr>
<td>Kaplan Assignments</td>
<td>Completed by assigned dates to be Satisfactory</td>
</tr>
<tr>
<td>Exam 1</td>
<td>30%</td>
</tr>
<tr>
<td>Exam 2</td>
<td>30%</td>
</tr>
<tr>
<td>Comprehensive Final Exam</td>
<td>40%</td>
</tr>
<tr>
<td>Total</td>
<td>100%</td>
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</tbody>
</table>

*Please note, all items must be completed/be satisfactory or you do not fulfill the course requirements and do not pass the course.*

**Course Schedule**

*Didactic.* Weekly online learning activities are assigned. Learning activities are scheduled for 60 minutes/week.

*Clinical.* None.
Labs. Total lab time is 3 hours per week: live lab 2 ½ hours per week; online lab lesson ½ hour per week.

Course website: [http://tclbb.vmc3.com/](http://tclbb.vmc3.com/) Students are expected to visit the course website at least once a week.

**ADA STATEMENT**

The Technical College of the Lowcountry provides access, equal opportunity and reasonable accommodation in its services, programs, activities, education and employment for individuals with disabilities. To request disability accommodation, contact the counselor for students with disabilities at (843) 525-8219 or (843) 525-8242 during the first ten business days of the academic term.

**ATTENDANCE**

The College’s statement of policy indicates that students must attend **ninety percent** of total class hours or they will be in violation of the attendance policy.

1. Students not physically attending class during the first ten calendar days from the start of the semester must be dropped from the class for NOT ATTENDING.
2. **Attendance at class orientation is MANDATORY.** Failure to attend will result in the student being withdrawn from the course.
3. For all online courses, students must complete an assignment designated by the instructor during the **first week** of classes. The instructor will drop the student from the course if the initial assignment is not completed. Instructors will withdraw students from class when 90% attendance is not maintained. Attendance in an online course is defined by regular course access and by completion of assignments as required by the instructor. Each student will be expected to access the web class at least once a week and complete weekly assignments on time. Additional access is encouraged and may be necessary for successful completion of classes.
4. Reinstatement requires the signature of the Division Dean.
   a. In the event it becomes necessary for a student to withdraw from the course **OR if a student stops attending class**, it is the student’s responsibility to initiate and complete the necessary paperwork. Withdrawing from class may have consequences associated with financial aid and time to completion. Students are strongly encouraged to consult with Financial Aid prior to withdrawing from any class, particularly if the student is currently on a warning or probation status.
   b. Failure to log in at least once weekly and complete assignments will result in the student being withdrawn from the course. The instructor will assign a grade of “W,” “WP,” or “WF” based upon the student’s academic standing at the last date of attendance, which is the last login. Students are responsible for any financial matters associated with an administrative withdrawal. If a student fails to email the instructor (using the my.tcl.edu email account) requesting to be dropped from the course and has not submitted the initial assignment required during the first week of class, the instructor will assign a “Never Attended” code in the student information system no later than ten calendar days after the first day of the class. Students who are dropped as a result of never attending the course are still responsible for all fees associated with the course.
   c. Under extenuating circumstances and at the discretion of the faculty member teaching the class, the student may be allowed to continue in the class and make-up the work. This exception must be documented at the time the allowed absences are exceeded.
   d. Absences are counted from the first day of class. There are no "excused" absences. All absences are counted, regardless of the reason for the absence.
5. A student must take the final exam or be excused from the final exam in order to earn a non-withdrawal grade.
6. Students are expected to be in class **on time**. Arrival to class after the scheduled start time or leaving class prior to dismissal counts as a tardy. Three tardies and/or early departures are considered as one absence unless stated otherwise. Arrival to class, clinical, and lab by the published time is an expectation for all students. Class, clinical, and lab times are measured by the clock in these teaching areas. Failure to attend class, clinical, and lab on time as measured by the clock in these areas may result in unsatisfactory scores.
7. It is the student’s responsibility to sign the roll/verify attendance with instructor upon entering the lab. Failure
to sign the roll/verify attendance results in a recorded absence. In the event of tardiness, it is the student’s responsibility to insure that attendance is marked. The student is responsible for all material/ announcements presented, whether present or absent.

A copy of TCL’s STATEMENT OF POLICY NUMBER: 3-1-307 CLASS ATTENDANCE (WITHDRAWAL) is on file in the Division Office and in the Learning Resources Center.

HAZARDOUS WEATHER
In case weather conditions are so severe that operation of the College may clearly pose a hardship on students and staff traveling to the College, notification of closing will be made through the following radio and television stations: WYKZ 98.7, WGCO 98.3, WGZO 103.1, WFXH 106.1, WWVV 106.9, WLOW 107.9, WGZR 104.9, WFXH 1130 AM, WLV 101.1, WSOK 1230 AM, WAEV 97.3, WTOC TV, WTGS TV, WJWI TV, and WSAV TV. Students, faculty and staff are highly encouraged to opt in to the Emergency Text Message Alert System. With TCL’s Text Alerts you can receive immediate notification of emergency events via text messaging on your cell phone. All students are strongly encouraged to register their cell phones with this service. Signing up is easy, just fill out the simple form on the TCL website
https://tcl.regroup.com/signup

ACADEMIC MISCONDUCT

Health care professionals hold the public trust. Academic misconduct by health science students calls that trust into question and academic integrity is expected. Academic misconduct may result in withdrawal for related health science courses. Also, depending on the severity of the student’s academic misconduct, the student will not only be withdrawn from the program, but will not be allowed for re-entry and/or reapplication to all Health Science programs.

Academic misconduct by health science students calls that trust into question and academic integrity is expected. It is a fundamental requirement that any work presented by students will be their own.

There is no tolerance at TCL for academic dishonesty and misconduct. The College expects all students to conduct themselves with dignity and to maintain high standards of responsible citizenship.

It is the student’s responsibility to address any questions regarding what might constitute academic misconduct to the course instructor for further clarification.

The College adheres to the Student Code for the South Carolina Technical College System. Copies of the Student Code and Grievance Procedure are provided in the TCL Student Handbook, the Division Office, and the Learning Resources Center.

Health care professionals hold the public trust. Academic misconduct by health science students calls that trust into question and academic integrity is expected.

It is a fundamental requirement that any work presented by students will be their own. Examples of academic misconduct include (but are not limited to):

1. copying the work of another student or allowing another student to copy working papers, printed output, electronic files, quizzes, tests, or assignments.
2. completing the work of another student or allowing another student to complete or contribute to working papers, printed output, electronic files, quizzes, tests, or assignments.
3. viewing another student’s computer screen during a quiz or examinations.
4. talking or communicating with another student during a test.
5. violating procedures prescribed by the instructor to protect the integrity of a quiz, test, or assignment.
6. plagiarism in any form, including, but not limited to: copying/pasting from a website, textbook, previously submitted student work, or any instructor-prepared class material; obvious violation of any copyright-protected materials.
7. knowingly aiding a person involved in academic misconduct.
8. providing false information to staff and/or faculty.
9. entering an office unaccompanied by faculty or staff.
10. misuse of electronic devices.

***Students committing academic dishonesty when taking an online examination will be subject to but not limited to receiving a zero on the examination or withdrawal from the nursing program. ***

**GRADING POLICY**

<table>
<thead>
<tr>
<th>Grading scale</th>
<th>Grading Methodology</th>
</tr>
</thead>
<tbody>
<tr>
<td>93% - 100%</td>
<td>A</td>
</tr>
<tr>
<td>85% - 92%</td>
<td>B</td>
</tr>
<tr>
<td>78% - 84%</td>
<td>C</td>
</tr>
<tr>
<td>70% - 77%</td>
<td>D</td>
</tr>
<tr>
<td>Below 70%</td>
<td>F</td>
</tr>
<tr>
<td>W</td>
<td>withdraw</td>
</tr>
<tr>
<td>WP</td>
<td>withdraw with passing grade</td>
</tr>
<tr>
<td>WF</td>
<td>withdraw with failing grade</td>
</tr>
<tr>
<td>I</td>
<td>Incomplete</td>
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</tbody>
</table>

Grading Methodology. The final grade must be 78.000 or more in order to pass the course and progress in the program. Students absent from an examination or presentation will receive a “0” grade for the examination unless other arrangements are made with the instructor prior to the examination or presentation day or on the examination or presentation day before the test/presentation is scheduled to be given. Arrangements may be completed by telephone. If the instructor is not available, a message should be left on the instructor’s voice mail AND with another member of the faculty or administrative assistant. Messages sent by other students are unacceptable. The student is responsible for notifying the instructor for the reason of the absence. Students who are tardy for an examination will take the examination in the remaining allotted time. For paper & pencil tests, only the answers recorded on the Scantron form are graded.

Make up examinations may be offered, at the instructor’s discretion, during the final examination period. Additional options for make-up testing include reweighting the final examination. It is the responsibility of the student to contact the appropriate instructor to arrange to make up the examination. The instructor will decide the method of examination. Grades are posted on Blackboard within one week of administration of tests and examinations.

Lab skills checklist must be complete. Incomplete checklist results in a grade of “U” (unsatisfactory) for the laboratory component of the course. An unsatisfactory in the laboratory portion of the course results in the failure of the course even if the theory grade is 78 or higher. Students are expected to perform accurate return demonstrations of skills before using the skill in the clinical area.

_During examinations, students must remove watches, hats, hoodies, jackets and place in the front of the classroom, along with all personal belongings and electronic devices._

_There is a 10 point penalty on the examination for any noise emitting from an electronic device._

**Honorlock Online Proctoring and Technology Requirements**

TCL uses an online test proctoring service called Honorlock to monitor some online tests as an alternative to in-person proctoring. Your instructor may elect to have some of your tests proctored using Honorlock. If so, you will need to make sure that you have access to the necessary equipment in order to take your online-proctored tests:

- A computer with access to a high speed Internet connection
- A webcam and microphone. A functioning webcam and microphone are required to complete proctored online tests.
- Microsoft Office. Microsoft Office can be downloaded for free by accessing the Office 365 link in your TCL email account.
- The ability to install the Honorlock extension on Google Chrome

COMMUNICATION
Instructors will generally respond to voice mail messages and e-mail messages as soon as possible. If there is a problem, the student should remember that a face-to-face meeting with the instructor is best. Student should contact instructor to make an appointment.

Students
- Contact information for instructors is listed in the course syllabus.
- The student is responsible for making sure that the instructor and College have his/her current contact information, including telephone number(s) and e-mail address.
- All students are expected to establish a TCL email account. The student is responsible for checking the TCL email account daily.
- The student is responsible for checking the course Blackboard site regularly (at least once a week).

Voice Messages
- Instructors' telephone numbers and the Division Administrative Assistant's telephone number are listed on the course syllabus.
- When leaving a voice mail message, speak slowly and clearly. Leave accurate information including accurate telephone number(s) for callback. It is helpful to repeat the telephone number at the end of the voice message.
- The Division Administrative Assistant is available Monday through Thursday from 8:00-4:30 pm and Friday from 8:00-11:30 am. A message left with the Administrative Assistant will be received by the instructor when he/she checks the mailbox. The most efficient way to get a voice mail message to an instructor is to leave a voicemail at the instructor's contact number.

E-mail Messages
- The instructor's e-mail address is listed on the course syllabus.
- When e-mailing the instructor, the student should identify herself/himself in the body of the message. Identifying information should include name and student ID #, course and section in which the student is enrolled, and a telephone number where he/she may be reached. It might be helpful to create a "signature" with this information for all e-mails.

COURSE POLICIES/PROCEDURES
- All cell phones and pagers must be turned off during class (lecture and laboratory periods).
- Students are held accountable for content in the nursing student handbook and Health Science Division Student Handbook. A link is provided on Blackboard.
- Instructors will excuse a student from class who disrupts the class or lab.
- No course grades are posted in public areas. Grades are available through WebAdvisor. For questions, contact the TCL Help Desk at 525-8344.
- In order to maximize learning, required readings should be done prior to a unit. If a student is falling behind in academic achievement, it is imperative to seek immediate assistance from the instructors.
- Classes are designed to employ a variety of teaching/learning strategies.
### Instructional Methods

<table>
<thead>
<tr>
<th>Assigned readings</th>
<th>Kaplan Focused Assessments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Case studies</td>
<td>Group discussion</td>
</tr>
<tr>
<td>Demonstration/return demonstration</td>
<td>Laboratory practice</td>
</tr>
<tr>
<td>Online learning modules</td>
<td>Test reviews</td>
</tr>
<tr>
<td>Self-paced programs</td>
<td>Tests/quizzes/final examination</td>
</tr>
<tr>
<td>Small group exercises</td>
<td>Written assignments</td>
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</tbody>
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### COMPUTER REQUIREMENTS

To ensure successful completion of an online course, a student should have an appropriately equipped computer. Use guidelines included on the TCL website.

### USER RESPONSIBILITY ON USE AND DUPLICATION OF COMPUTER SOFTWARE (TCL PROCEDURE 7-1-702.5)

Students are responsible for the legal use of computer software and applicable copyright laws and are prohibited from copying software on College computers and from installing personal software.

### Other Required Materials

| TCL student nurse name pin – wear to all labs | Gloves |
| Black Ball point pen (No gel pens)          | Lab pack – Do not open until directed to do so. |
| Simple calculator without advanced functions or memory | |
