NUR 105 Pharmacology for Nurses
Fall 2012

Course Description
NUR 105 Pharmacology for Nurses
Lecture 0.05; Lab 1.5; 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 ATI tutorial product: Dosage Calculation: Ratio and Proportion.
ATI Content Mastery, Pharmacology for Nursing Version 5.0.

Optional

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 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.*

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.

Nursing laboratory
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 being used 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.

Students must receive satisfactory on the laboratory evaluation to pass the course.

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’s performance is evaluated based on environmental contribution, attendance, and preparedness. Expectations include the following.

1. Contributing to a productive learning environment for self and others by
   a. being prepared for the lab activities by reading and watching DVD if applicable.
   b. answering questions and identifying steps or processes about skill.
   c. demonstrating mastery of skills.
   d. remaining attentive.
2. Arriving and departing on time. Attendance is expected for each scheduled laboratory experience.

Course Evaluation
Quizzes (2) 10%
Mid-Term Exam 45%
Comprehensive Final Exam 45%
Total 100%

Laboratory Satisfactory (Must earn a minimum of 11 points)

Course Schedule
Didactic. Weekly online learning activities are assigned on a variable schedule for course sections 82 and 83. Learning activities are scheduled for 30 minutes/week.
Clinical. None
Labs. Lab 1 ¼ hours per week on a variable schedule; online laboratory lessons ¼ hour per week.
Course website:  http://tclbb.vmc3.com/  Students are expected to visit the course website at least twice a week.  

Live class meetings. Three live class meetings occur during the semester on Mondays from 2 – 3 pm. These meetings are for course orientation, mid-term examination, and final examination (2 – 3:30 pm).

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) 525-8228 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. Students taking an online/internet class must sign in and communicate with the instructor within the first 10 calendar days from the start of the semester to indicate attendance in the class. Students not attending class during the first 10 calendar days from the start of the semester must be dropped from the class for NOT ATTENDING.
3. 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.
   b. When a student exceeds the allowed absences, the student is in violation of the attendance policy. The instructor MUST withdrawal the student with a grade of “W”, “WP”, or “WF” depending on the date the student exceeded the allowed absences and the student’s progress up to the last date of attendance or
   c. under extenuating circumstances and at the discretion of the faculty member teaching the class, allow the student 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.
4. A student must take the final exam or be excused from the final exam in order to earn a non-withdrawal grade.
5. 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 point reductions.
6. 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, WGRZ 104.9, WFXH 1130 AM, WLVH 101.1,
WSOK 1230 AM, WAEV 97.3, WTOC TV, WTGS TV, WJWJ TV, and WSAV TV. Students, faculty and staff are highly encouraged to opt in to the Emergency Text Message Alert System. www.tcl.edu/textalert.asp

ACADEMIC MISCONDUCT
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 examination.
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.

GRADING POLICY

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<thead>
<tr>
<th>Grading scale</th>
<th>Grade</th>
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<tbody>
<tr>
<td>90% - 100%</td>
<td>A</td>
</tr>
<tr>
<td>82% - 89%</td>
<td>B</td>
</tr>
<tr>
<td>75% - 81%</td>
<td>C</td>
</tr>
<tr>
<td>70% - 74%</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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</table>
Grading Methodology. The final grade must be 75.00 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 individual 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.

Make up quizzes and/or 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.

There is a 10 point penalty on the test for any noise emitting from an electronic device.

Course Coordinator  Lynda Buss, MSN, RN, CNN
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Office Hours  By Appointment

Instructor  Stephanie Lawson, MSN, RN
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Office Hours  By Appointment
NUR 105 Pharmacology for Nurses
Syllabus Addendum
Health Sciences Division
Academic Term – Fall 2012

**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.

**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

**REQUIREMENTS**

**COURSE POLICIES/PROCEDURES**
- It is clearly to the advantage of the student to participate regularly in online learning. Test materials are weighted heavily in favor of didactic materials.
- **All cell phones and pagers must be turned off during class (lecture and laboratory periods).**
- 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. The student must go to the college’s website [www.tcl.edu](http://www.tcl.edu) Select current student then select TCL WebAdvisor and find: (1) the directions and a demonstration on how to log in to WebAdvisor, and (2) how to access grades. For questions, contact the TCL Help Desk at 525-8344.

**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 twice 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 for the instructor, speak slowly and clearly. He/she should leave accurate information including accurate telephone number(s) where he/she may be reached. It is helpful to repeat the telephone number at the very end of the voice message.
- The Division Administrative Assistant is available on class days from 8:00-4:30 pm. A message left with the Administrative Specialist 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. With the tools provided by the browser, it might be helpful to create a "signature" with this information for all e-mails.

COURSE STANDARDS, EVALUATION, METHODS/Criteria, GRADING POLICY

Refer to additional information in the course syllabus.

Students must achieve satisfactory (S) in the laboratory component of the course in order to pass the course. “S” or “U” (unsatisfactory) is assigned for each laboratory session. Three or more “U” constitute failure of the laboratory component of the course. Refer to the Laboratory Skills List for specific criteria.

Skills checklist should be complete. Incomplete checklists 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 75 or higher.

Students are expected to perform accurate return demonstrations of skills before using the skill in the clinical area in NUR 134. As each skill is learned, it becomes part of the clinical component of NUR 134 Beginning Nursing Skills. Failing performance in NUR 105 skill demonstrations results in “unsatisfactory” in meeting the clinical outcomes for NUR 134. Students must receive a “satisfactory” in all NUR 134 clinical outcomes in order to pass the course and progress in the nursing sequence. An “unsatisfactory” in NUR 134 clinical results in failure of the course.

Grades are posted on Blackboard within one week of administration of tests and examinations.

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Instructor  Stephanie Lawson, MSN, RN
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Laboratory instructor: Kathleen Slyh, MSN, RN
Office Location: Building 4, Room 125
Telephone Number: 843-525-8256
E-mail: kslyh@tcl.edu
Office Hours: By Appointment

Veronica Navarro, Administrative Assistant for Health Sciences 470-8378
Joseph Griffin, Administrative Specialist for Health Sciences 525-8267

**Instructional Methods**

<table>
<thead>
<tr>
<th>Assigned readings</th>
<th>ATI practice tests</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>
</tr>
</tbody>
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**ADDITIONAL COURSE POLICIES/PROCEDURES**

**Course Structure.** Classes are designed to employ a variety of teaching/learning strategies. 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.

Online students are expected to attend on-campus activities as announced.

**Assessment Testing.** No required achievement tests are scheduled in this course. Optional achievement and practice tests may be taken at the student’s discretion or instructor’s recommendation. The optional test for this course is *RN Pharmacology 1.0: Online Practice*, available through ATI Testing. Information on how to access this program is available at the course website. Assessment ID# __________________________.

**Nursing Lab.** All labs start on time. No provisions are made for students who are late to lab; being late to lab earns a score of unsatisfactory.

**Other Required Materials**

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<thead>
<tr>
<th>Stethoscope</th>
<th>Black Ball point pen (No gel pens)</th>
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<tbody>
<tr>
<td>Watch with second hand</td>
<td>Lab pack – <em>Do not open until directed to do so.</em></td>
</tr>
<tr>
<td>TCL student nurse name pin – <em>wear to all labs</em></td>
<td>Simple calculator <em>without advanced functions or memory</em></td>
</tr>
</tbody>
</table>

**EXPECTATIONS FOR STUDENT FOR FULFILLMENT OF COURSE REQUIREMENTS.** See course syllabus and website.