Santa Barbara City College  
HIT 201 ~ Pharmacology for Allied Health  

SYLLABUS

Instructor ~ Linda Maywood, MSN, RN, CPNP

Email address ~ Use Moodle Course email for class specific questions and lrmaywood@pipeline.sbcc.edu for general questions

Instructor Office Hours ~ Classroom email communication will serve as instructor office hours

HIT Office E-mail ~ HITCIM@sbcc.edu

Course Introduction

Pharmacology for Allied Health provides a course of study in basic pharmacology including basic pharmacological terminology and concepts, drug categories and their uses, mechanisms of drug action, dosage forms, routes of administration, and common generic and trade name medications.

Course Objectives

Upon completion of this course, students should be able to demonstrate competencies in the following areas at the appropriate skill and knowledge level:

1. Describe the theories of drug action
2. Describe the principles of pharmacodynamics and pharmacokinetics
3. Define pharmacological terminology commonly used
4. Identify dosage forms in which drugs are manufactured and delivered
5. Identify routes of administration
6. Identify and describe the therapeutic action of commonly prescribed drug categories
7. Identify units of measure for drug dosages
8. Define drug abbreviations
9. Given a drug name, identify its drug category
10. Given a drug category, identify several common drugs within that category.
11. Given a common disease, identify several drugs used to treat it.
12. Given a drug name, identify the diseases or conditions that it is used to treat or prevent
13. Demonstrate techniques of obtaining accurate drug information from drug references in a timely manner
14. Apply knowledge of drugs to the analysis of health care records
Course Content and Scope

1. Consumer Safety and Drug Regulations
2. Drug Names and References
3. Sources and Bodily Effects of Drugs
4. Medication Preparations and Supplies
5. Abbreviations and Systems of Measurements
6. Safe Dose Calculations
7. Responsibilities and Principles of Drug Administration
8. Administration of the Parenteral Route
9. Poison Control
10. Vitamins, Minerals, and Herbs
11. Skin Medications
12. Autonomic Nervous System Drugs
13. Antineoplastic Drugs
14. Urinary System Drugs
15. Gastrointestinal Drugs
16. Anti-Infective Drugs
17. Eye Medications
18. Analgesics, Sedatives, and Hypnotics
19. Psychotropic Medications, Alcohol, and Drug Abuse
20. Musculoskeletal and Anti-inflammatory Drugs
21. Anticonvulsants, Antiparkinsonian Drugs, and Agents for Alzheimer’s Disease
22. Endocrine System Drugs
23. Reproductive System Drugs
24. Cardiovascular Drugs
25. Respiratory System Drugs and Antihistamines
26. Drugs and Older Adults

HIT 201 Student Learning Outcomes

<table>
<thead>
<tr>
<th>Student Learning Outcome #1</th>
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</thead>
<tbody>
<tr>
<td>Demonstrate how to obtain accurate pharmacological information about a medication including indications for use, adverse effects, contraindications, and patient education.</td>
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</tbody>
</table>

Student learning outcome will be evaluated by:

1. Weekly quizzes, midterm and final exam

Grading Rubric

**Satisfactory:**
1. Weekly quizzes, midterm and final exam with a student grade of 70%

**Unsatisfactory:**
1. Weekly quizzes, midterm and final exam with a student grade of less than 70%
<table>
<thead>
<tr>
<th>Student Learning Outcome #2</th>
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</thead>
<tbody>
<tr>
<td>Given a medication name, identify several diseases or conditions that it is used to treat or prevent.</td>
</tr>
<tr>
<td><strong>Student learning outcome will be evaluated by:</strong></td>
</tr>
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**Grading Rubric**

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<th>Student Learning Outcome #3</th>
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<tbody>
<tr>
<td>Apply pharmacological knowledge to the analysis of health care records.</td>
</tr>
<tr>
<td><strong>Student learning outcome will be evaluated by:</strong></td>
</tr>
<tr>
<td>1. Weekly quizzes, midterm and final exam</td>
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**Grading Rubric**

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<th>Student Learning Outcome #4</th>
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<tr>
<td>Identify drug abbreviations, units of measurements, and routes of administration for common drug classifications.</td>
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<tr>
<td><strong>Student learning outcome will be evaluated by:</strong></td>
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<td>1. Weekly quizzes, midterm and final exam</td>
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**Grading Rubric**

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Methods of Instruction

- Moodle lectures
- Textbook reading assignments and exercises
- Research Paper
- Weekly Forum discussion questions

Required Resources


Please note: if you choose to use the etext book for this class, there is an additional CDRom that can also be purchased from the publisher for an additional fee. The print version price includes the CDRom, which has StudyWARE with additional optional study guides.

On-line Resources

On-line medical dictionaries are available at:
http://www.medterms.com
http://www.medical-dictionary.com

Pertinent on-line web sites are shared weekly in the class Forum

Assignments

There are weekly quizzes for each lesson which are due by the posted due date in the Course Calendar. The textbook exercises should be completed prior to taking the weekly online quizzes. The textbook exercises are for student learning and are not submitted for grading. Students must complete assignments by the posted due date or credit will not be given.

There is a Midterm Exam covering the first half of the class, Lessons 1-5, and a Final Exam covering the last half of the class, Lessons 6-13.

All quizzes and exams are administered online in this Moodle course. They are closed book and timed tests. Students are expected to take their own exams. Honesty and integrity is expected of all students.

There is also a weekly Forum Discussion Question which is due by the posted due date in the Course Calendar for that week’s lesson. The Forum is a participation grade that requires a written response to a discussion question that demonstrates
your understanding of information on the selected web site as well as your evaluation of the usefulness of the site. You are also expected to read your fellow student postings and respond to at least one of them.

Lastly, there is an *Individual Project*, a 3-5 page Research Paper on a pharmacological topic chosen by the student.

**Study Groups**

There are no formal study groups for HIT 201. You are expected to read the Forum postings and to respond to them.

**Announcements**

General announcements and information are shared through the internal class emails. *When logging into the class Moodle site, always check your class email first.* Any changes in due dates or any other critical announcements will be shared through emails.

**Attendance**

There are no required meetings where attendance is taken. The HIT/CIM Department strongly encourages students to log into their registered courses at least once per week. More frequent logins may be required in order to complete the specific course work. Students will be dropped from the class if they have not logged into their course Moodle site prior to the drop date posted in the Academic Calendar for the year. Students who have not logged into their course and / or have not completed any graded work during a two-week period beginning with the day after the drop date and continuing until the official withdrawal date, are subject to involuntary withdrawal from the course.

**Quizzes and Examinations**

All quizzes, midterm and final examinations will be administered online in the class Moodle site. These tests are closed book and timed exams. The availability dates for the exams are specified in the class Course Calendar. Students will take each exam during the availability dates specified unless prior arrangements are made and approved by the course instructor. As in the submission of assignments, students are expected to take their own quizzes and exams. Honesty and integrity is expected of all students.

**Grades**

Grades are assigned for distance-learning courses as in the courses provided on campus and will be calculated into the student’s grade point average (GPA). Final
grades are posted in Moodle under “Grades” and will be accessible only by each individual student.

**Evaluation Methods**

Weekly Quizzes: 12 Quizzes at 10 points each = 120 points – 20 = 100 points
(The two lowest quiz scores will be dropped)

Weekly Quizzes = 100 points
Forum Group Discussion Participation = 50 points
Individual Project/Research Paper = 50 points
Midterm Exam = 50 points
Final Exam = 50 points

Total Points Possible = 300 points

There are no extra credit assignments or points available.

**Grade Calculation**

Grades will be calculated by placing the total points earned over the total points available. After conversion to a percentage, a letter grade will be determined based on the grading scale.

**The minimum grade acceptable for this course is a C.**

**Grading Scale for the Forums**

The Forums or Discussion Questions are not graded individually. A course grade for the Forums is posted at the end of the course and it is the student’s responsibility to complete the Forums on time. However, to receive the full credit of 50 points, the student is expected to write at least a full paragraph that demonstrates the information you were able to obtain and your evaluation of the usefulness of the site. I also expect you to read your fellow student postings and respond to at least one of them. The Forum is due by the date posted in the Course Calendar for that week’s lesson quiz. There will be no credit for late submissions.

Completion of 12-13 Forums: 50 points
Completion of 11 Forums: 45 points
Completion of 10 Forums: 40 points
Completion of 9 Forums: 35 points
Completion of 8 Forums: 30 points
Completion of 7 Forums: 25 points
Completion of 6 Forums: 20 points
Completion of 5 Forums: 15 points
Completion of 4 Forums: 10 points
Completion of 1-3 Forums: 5 points

Grading Scale for the Class

90-100% = A
80-89% = B
70-79% = C
60-69% = D
< 60% = F

Late Assignment Policy

Just as in a traditional class, it is the student’s responsibility to complete the quizzes, forums, research paper, and exams by the due date posted in the Course Calendar. Time management in planning weekly activities, including business or personal travel, vacation, jury duty, family visits, work obligations, elective or planned medical procedures, holidays, etc. is critical to successful completion of this course.

In this classroom:

• Due dates for all course assignments, quizzes, Forums, papers, and exams are posted in the Course Calendar. All students are responsible for monitoring and adhering to the Course Calendar as posted unless prior arrangements have been made with the instructor.
• There will be no credit for late submissions.
• Student emergencies will be handled on an “as needed” basis.

Computer problems do occur so if it is your habit to work up until an assignment or exam deadline, do so at your own risk. All students should have a “back-up” computer plan in the event of hardware, software or technical difficulties unrelated to the SBCC system that can be invoked in a timely manner. The “back-up” computer may be through another reliable source (e.g., workplace, public library, friends, etc.).
Lesson Evaluations

Students are requested to submit a brief evaluation of each lesson. The lesson evaluations are listed with each lesson in Moodle. The instructor uses the evaluations to revise the course content in order to better serve you and future students. No points are assigned for lesson evaluations. Lesson evaluations should be submitted by the lesson due date.

Academic Honesty

The instructor expects and trusts each student to maintain high standards of honesty and ethical behavior. All assignments submitted in fulfillment of the course requirements must be the student’s own work. All assignments except those designated as “group” are meant to be individual efforts. Group efforts are meant to be equal efforts of all group members. It is assumed that students will perform professionally and honestly in preparing work for this class.

It is important that you carefully read and understand the SBCC document called “Academic Honestly Defined and Outlined.” The SBCC Standards of Student Conduct can be found at http://sbcc.edu/security/standards_of_conduct.

To avoid plagiarism, please go to the Owl of Purdue’s website at http://owl.english.purdue.edu/owl/resources/589/03/ and follow the important safe practice tips.

Facts, quotes, and original ideas need to be cited by enough information to point the reader to the corresponding source in the References List. For example, a quotation may be cited this way: “Dementia is a loss of brain function that occurs with certain disease.” (PubMed Health, 2009).

Accommodations for Students

SBCC students with disabilities who are requesting accommodations for classes, college activities or tests should use the following SBCC procedure:

[1] Contact Disabled Student Programs and Services (DSPS).

[2] Submit documentation of your disability to the DSPS office.

[3] Communicate with a DSPS counselor regarding options for services and accommodations.

[4] Reach written accommodation agreement with the DSPS counselor and your instructor.
Contact: DSPS office (805) 965-0581 x 2364, SS Building, room 160, dspshelp@sbcc.edu

SBCC requests you complete this process at least ten working days before your accommodation is needed, in order to allow DSPS staff time to provide your accommodation.

The DSPS website is: http://www.sbcc.edu/dsps/. Please refer to this website for further information.

An Important Note to All Students

It is your responsibility to read and comply with all regulations outlined above. Any questions regarding these regulations should be addressed to:

Santa Barbara City College
Health Information Technology
721 Cliff Drive
Santa Barbara, CA 93109-2394
Telephone: (805) 965-0581. Ext. 3869

About Your Instructor

Linda Maywood, CPNP, MSN has been an instructor in the HIT Program at Santa Barbara City College (SBCC) since 2009. She is a Certified Pediatric Nurse Practitioner (CPNP), Child Care Health Consultant (CCHC), and a Lactation Educator. She graduated from UCLA in 1978 with a B.A. in Bacteriology and in 1981 with a B.S. in Nursing. In 1988, she became a CPNP and in 1989, she graduated from California State University, Long Beach (CSULB) with a M.S. in Nursing (MSN). She has worked in a variety of settings as a nurse. She began her career as a maternity and newborn nursery nurse at St. John’s Hospital in Santa Monica, CA. After she became a CPNP, she worked at Harbor-UCLA Medical Center in the newborn nursery, on Cedars-Sinai Medical Center mobile medical van for underserved children, COACH for Kids and Little Company of Mary Health Services, Partners for Healthy Kids mobile medical van. In 2001, she became the Program Coordinator and Child Care Health Consultant for Healthy Connections at The Children’s Clinic in Long Beach, CA, a First Five LA Grant program. Since 2005, she has worked at Miller Children’s Hospital in Long Beach, CA as the CPNP and Case Manager for the Spina Bifida Clinic. She has won numerous awards and most recently, in 2008, The Nursing Excellence Award in Clinical Care from Miller Children’s Hospital and Long Beach Memorial Medical Center and was a Finalist for the California State NurseWeek 2008 Excellence Award.
in Clinical Care. She is a member and Fellow of the National Association of Pediatric Nurse Associates and Practitioners (NAPNAP). In every position she has held, she has played the role of teacher and mentor and now as adjunct professor for SBCC, she continues to share her knowledge and experience with HIT students. She is married and the mother of fraternal twins. She enjoys traveling, golfing, reading and knitting.