

**Course Syllabus**  
**AH 120-95**  
**Pharmacology for Allied Health**

**Meeting Place:** On-line

**Instructor Information:**

- Mary Christina Beyers RN, MSN
- Office: Health Careers Division Office
- E-mail: [mcbeyers@henryford.ucompass.com](mailto:mcbeyers@henryford.ucompass.com)  
Please send all correspondence to me via e-mail from your U-compass account to my U-compass account. I will not accept anything sent from any other e-mail accounts that you or I may have.

**Textbook:** Please check with the HFCC bookstore for the current text being used for this course.

**Course Description:**

Designed for students in the health care and nursing programs needing to establish a foundation in the basic principles of pharmacology. This survey course presents a rationale for understanding current drug therapy involving the common disorders of the major body systems. Administration and dosage calculations are not components of this course.

**Prerequisites:** Recommended prerequisites include AH 100 along with either BIO 134 or BIO 233 & BIO 234.

**Course Objectives:**

- Define and then differentiate the terms pharmacodynamics and pharmacokinetics.
- Describe and differentiate the terms: toxicity, overdose, adverse drug reactions, adverse effects, drug interactions, idiosyncratic reactions, anaphylactic shock, allergic reaction, tolerance, cumulative effect, synergism and potentiation.
- Explain the various roles of the government agencies that deal with food, drugs and disease control.
- Explain how drugs are named.
- List and describe the essential components of a prescription.
- Explain the general indications for parenteral nutrition (TNP).
- \*Explain why antibiotic resistance is so important in health care today.
- Identify the major types of antibiotics by drug class.
- \*Differentiate between acquired and passive immunity.
- Differentiate between the populations and immunization requirements.
- Explain the general factors that influence the response to pain.
- Differentiate between analgesics and antipyretics.
- List the commonly used antineoplastic agents in each class.
- Describe the five most common adverse effects of anti-anxiety drugs.
- Define and differentiate the terms cholinergic and adrenergic.
- Outline and explain the stages of anesthesia.
- Explain the mechanism of action of topical corticosteroids.
- Identify and describe the key agents in angina therapy.
- Explain the five major categories of antihypertensive medications.
- Describe the mechanism of action of thrombolytic drugs.
- Explain the role of hypoglycemic medications in treating diabetes mellitus.
- Identify the male and female sex hormones and explain their effect upon the reproductive system.

- Describe how medications are absorbed from the gastrointestinal tract and then metabolized.
- List and describe the most commonly used medications for asthma.
- List the commonly used central skeletal muscle relaxants.
- Identify the common ophthalmic medications.
- Identify and describe the most common types of poisonings.
- Identify and describe the factors which influence drug absorption in older patients
- \*Describe pharmacodynamics in newborns, infants and children.  
\*meets general education critical thinking outcome.

## Assessment of Academic Achievement

### Grading Policy:

- The final course grade will be calculated using a combination of critical thinking exercises, discussion board submissions, exams, quizzes and class participation (You are required to log in and review content on U-compass on at least three different days. See “Grades in Progress” for ongoing current grades.
- **You must take the final exam. The final exam will not be included in the Policy for Missed Exams.**
- **You are responsible for reading all instructions found in this course. Instructions are found, but not limited to, the following locations: in this syllabus, announcements (including the welcome letter), and course packet instructions (both in the blue letter and in the column on the left side after you open the packet), and any instructions I may give you via e-mails or comments to your Discussion Board posts.**

A	90% and above
B	80% and above
C	70% and above
D	60% and above
F	59% and below

**Incomplete grades** will not be considered unless there are extenuating circumstances that prevent the student from completing the course and the student currently has at least a "C" grade. Students given an incomplete may only finish work; they may not repeat any work already done.

### Attendance Policy:

- Students are expected to complete assignments, test, readings, discussion, etc. within the time frame of that lesson, since after that lesson it will no longer be available on the U-compass web site for this class.
- See grading policy above.
- **Students are required to take the final examination.**

### Late Assignments:

- No late assignments are accepted.

### Policy for missed exams

- Only one exception to completing the exam by the end of the lesson will be made per student/per semester. Contact instructor via e-mail to arrange your one exam make-up or re-set. Any more than one missed exam will be graded as a zero. This includes computer problems on the student’s part, student illness, etc.

**Academic Dishonesty:**

“Henry Ford Community College considers academic dishonesty to be a serious offense. It is the policy of the College that determination of and appropriate action in respect to academic dishonesty by a student shall be a matter of individual judgment by the instructor. The instructor may administer a penalty up to and including failure in the particular course” (From: HFCC catalog, Policy on Academic Dishonesty.) Incidents of academic dishonesty will be reported to the Registrar, who will maintain a file on each incident. Two reported incidents will result in the student’s debarment from the college (see the catalog or the web under current students: Student Policies & Procedures).

**Course Conduct:**

- Students must abide by the college’s code of student conduct (see the catalog or web).

**Online Conduct Policy**

A. Students at HFCC are expected to show respect for order, law, the personal rights of others, and the educational mission of the College, as well as to maintain standards of personal integrity.

B. Students working online will be held to the same behavioral standards as students in traditional classrooms. Please be aware that I will be observing your threaded discussions with each other, and I will review those discussions, commenting where appropriate with the goal of helping you to better understand the course content. Specifically, you should adhere to the following guidelines:

Personal correspondence should be conducted elsewhere.

Treat and respect others as you would like to be treated.

- “Flaming”, an angry series of words or comments used to personally attack others who may disagree with you, is not permitted.
- **Take time to review the tone, language, word choice, spelling, and grammar of any written correspondence prior to sending it. You will be judged by the quality of your work.**
- HFCC’s computer use policy is in effect. It can be found at <http://www2.hfcc.edu/resources/policy.htm>
- Students are responsible for completing their own online course work.

**Placement Services:** HFCC provides free job search assistance to its students and recent graduates. To apply for assistance, go to the job placement office which is located in T-112 of the Technology Building.

**Course Outline:**

**Lessons are generally one week in length. Although, there are a few that the student has two weeks to complete. You have access to each assignment for only that lesson, as stated in your syllabus, after that time you cannot go back and complete that work. You also cannot work ahead since you do not have access to any assignments but the current one.**

**All lessons end at 11:30PM on the date displayed in your “Graded Work” and also “Grades in Progress”. Your Discussion Board is also due by the end date stated for all of your graded work in that lesson. In other words, everything is due on the same end date. You can submit your work at any time until the end date and time for each lesson.**

**It is important that you review these dates, since no late work is accepted.\* See above under “Late Assignments”.**

**\*This is a sample syllabus. Please see the syllabus in your class for due dates of assignments.**