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Class Hours: Fall 2007: AH120-97 Online  
AH120-98 Online  
AH120-99 Online

Course Description: The AH120 Pharmacology Course is designed for students in Health Careers programs who need to develop a basic and general understanding 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.

Required Text:

Fulcher E., Soto C., "Fulcher R., *Pharmacology: Principles & Applications, A Worktext for Allied Health Professionals*. WB Saunders Publishing, current edition.

Drug Guide – This is your choice. I would recommend that you purchase the guide required by your program of study (nursing or paramedic).

Drug Guide Recommendation: Skidmore, *Mosby's 2008 Nursing Drug Reference*. Mosby Publishing an affiliate of Elsevier, 21<sup>st</sup> edition.

Required Software:

Microsoft Word 97 – Microsoft Corporation  
<http://office.microsoft.com/en-us/default.aspx>)

Adobe Acrobat Reader – Adobe Corporation (available free)  
<http://www.adobe.com/products/acrobat/readstep2.html>

Adobe Flash Player – Adobe Corporation (available free)  
[http://www.adobe.com/shockwave/download/download.cgi?P1\\_Prod\\_Version=ShockwaveFlash&promoid=BIOW](http://www.adobe.com/shockwave/download/download.cgi?P1_Prod_Version=ShockwaveFlash&promoid=BIOW)

Microsoft Internet Explorer or Mozilla Firefox  
<http://www.microsoft.com/windows/products/winfamily/ie/default.msp>  
<http://www.mozilla.com/en-US/products/>

Please be sure that your software and browser are up-to-date the first couple of days of class. If you have technical support questions you can find help at the HFCC tech support page at <http://www2.hfcc.edu/online/techSup.htm>.

U Compass:

AH 120CO, Section 97, 98 & 99 are 100% online classes using the UCompass system. Students in this course are expected to have basic computer skills and regular access to a computer with internet access. The online course environment requires you to access the UCompass classroom a minimum of three times per week. If you do not meet these requirements you need to drop the online section and take a traditional on-campus or hybrid section of AH120. If you have not completed other courses on UCompass you are required to complete the UCompass orientation located at <http://vcampus.mccvlc.org/index.asp?content=EducatorOrientation.htm>. This orientation can also be accessed from the HFCC UCompass home page (<http://henryford.ucompass.com/>).

The UCompass system is an online community which will allow you to interact with me as well as your classmates in a virtual environment. Every week there will be assignments posted on the “Discussion Board”. You will have the opportunity to complete the assignments and to interact with other students and myself here. During these times our communication will be asynchronous, meaning you will post an answer or pose a question as part of a discussion thread. Later, when another student or I read this post we can post a reply for you to read or continue the discussion. If you have any experience with message boards you are familiar with this method of communication.

**You are required to log in and review content on UCompass on at least three different days. You are encouraged to check your UCompass email at least three times per week.**

Attendance on the “Discussion Board” will be monitored through your interaction on guided topics and assignments posted. You are required to answer questions posted and submit a minimum of two posts per week in addition to your answers (**a total of three postings**). These posts must add significant content to the week’s discussion. Posts that are not relevant to the week’s topic or are frivolous (such as comments like “I agree with you”.) will be excluded and will not earn credit. Your posts are being graded on intelligent content not necessarily agreeing with the instructor or your peers so if you have information to add or disagree with a point, speak up. Intelligent disagreement and case discussion is a core skill for being a patient advocate during your career.

Your assignments will be posted on the “Discussion Board” or I may direct you to the “Assignments” tab. You may also have the opportunity to join a live (synchronous) online class session to ask questions about the material. You will need to attend this session to get credit for the week. If you are familiar with a “chat room” then you have the idea of synchronous computer communication. If scheduled, the chat room dialogue will count as one of your logins for the week. These sessions will be posted a minimum of two weeks in advance so you can plan your schedule accordingly.

Packets with each week’s course materials can be found in the “Course Materials” tab. Many of these documents can be downloaded to your computer or printed for review at your leisure. If you review these materials in advance please be sure to check the packet during the actual week

Ucompass (continued):

of the class because I often add to these packets throughout the semester. The final, midterm and quizzes will be given on UCompass. Exams and quizzes will have a limited amount of time for completion. I will send an announcement to your UCompass email account or post a course announcement when a quiz is uploaded so check it often.

The week on UCompass runs from Monday to Sunday. Every week the new material will be posted by Monday at 6:30am. You may have access to additional documents including chapter objectives, lesson outlines, and external links providing additional information. This information will be presented in the “Course Materials” section. Discussion Board questions or assignments can be posted anytime throughout the week. No new questions or assignments will be posted after 8:00pm on Friday.

The online learning environment is different but is also very useful. I hope you find that the online experience will allow you to utilize your time more effectively.

SAMPLE

Topic Schedule (subject to revision during the semester):

<b>Class</b>	<b>Date</b>	<b>Topic</b>	<b>Reading</b>
<b>KEY</b>	Class Date	Major Class Topics	<i>Required Reading</i>
	<b>Location</b>		<i>Chapter: Page #s</i>
	Rev. Quest.:	Review Questions: Chapter: Numbers (Due Sunday by email)	
	Rev. Exer.:	Review Exercises: Chapter: Numbers (Due Sunday by email)	
	Drug Info:	Drug Sheets: Packet in <u>Course Materials</u> (Due Sunday by email)	
	Critical Think:	Critical Thinking: Chapter: Numbers (Due Sunday by email)	
1.	08/27/07	Introduction to Pharmacology, Terminology, Legislation, Controlled Substances, Prescribing, Health Care Roles, UCompass Orientation	<i>Ch 1: 1-16 Ch 2: 16-42 Ch 3: 42-74</i>
	Rev. Quest.:	<b>Ch 1:</b> 1, 7; <b>Ch 2:</b> 3; <b>Ch 3:</b> 1	
	Critical Think:	<b>Ch 2:</b> Scenario 3	
2.	09/03/07	Nervous System Anatomy & Physiology Receptor Types & Actions, Information Sources Pharmacokinetics & Pharmacodynamics	<i>Ch 4: 74-100 Ch 11: 223-240 Handouts</i>
	Rev. Quest.:	<b>Ch 4:</b> 10, 11, 26; <b>Ch 11:</b> 9, 15	
	Rev. Exer.:		
	Drug Info:	Augmentin, Cardizem	
	Critical Think:		
3.	09/10/07	Reading, Interpreting & Documenting Rx Orders Medication Administration, Orders vs Prescriptions	<i>Ch 5: 100-123 Ch 8: 158-176</i>
	Rev. Quest.:	<b>Ch 8:</b> 12	
	Rev. Exer.:	<b>Ch 5:</b> 2, 4, 5, 6, 8, 10, 12, 14, 15, 18, 19	
	Drug Info:	digoxin	
	Critical Think:	<b>Ch 8:</b> 1, 3, 6	
	Document:	<b>Ch 5:</b> 1, 2, 3 ( <b>Note: Documentation Exercises, Page 118</b> )	
4.	09/17/07	Antineoplastic Agents, Nutritional Supplements	<i>Ch 18: 386-406 Ch 19: 406-428</i>
	Rev. Quest.:		
	Rev. Exer.:		
	Drug Info:	Cipro	
	Critical Think:		
5.	09/24/07	Immunizations & Immune System Ear & Eye Medications	<i>Ch 16: 320-346 Ch 21: 460-480</i>
	Rev. Quest.:	<b>Ch 16:</b> 1	
	Rev. Exer.:		
	Drug Info:	prednisone	
	Critical Think:	<b>Ch 16:</b> Scenario 1	

Topic Schedule (subject to revision during the semester):

<b>Class</b>	<b>Date</b>	<b>Topic</b>	<b>Reading</b>
6.	10/01/07	Medication Delivery Systems Evidenced Based Practice / eTools	Ch 12: 240-252 Ch 13: 252-268 Ch 14:269-299 Handouts
		Rev. Quest.:	
		Rev. Exer.:	
		Drug Info: Lipitor, lisinopril	
		Critical Think: <b>Ch 14:</b> Scenario 3	
7.	10/08/07	Midterm Exam	Review all to date
		Rev. Quest.:	
		Rev. Exer.:	
		Critical Think:	
8.	10/15/07	Analgesics & Antipyretics Antimicrobials, Antifungals, Antivirals	<i>Ch 15: 299-320</i> <i>Ch 17: 346-386</i>
		Rev. Quest.: <b>Ch 15:</b> 2, 3; <b>Ch 17:</b> 8	
		Drug Info: ibuprofen	
		Critical Think: <b>Ch 17:</b> Scenario 1 <b>Ch 15:</b> Scenario 3	
9.	10/22/07	Diabetes and Endocrine System Medications	<i>Ch 20: 429-460</i>
		Rev. Quest.: <b>Ch 20:</b> 31	
		Rev. Exer.:	
		Drug Info: Humulin	
		Critical Think: <b>Ch 20:</b> Scenario 3	
10.	10/29/07	Medications for Skin Condition Medications for the Musculoskeletal System	Ch 22: 480-502 Ch 23: 502-522
		Rev. Quest.: <b>Ch 22:</b> 23	
		Rev. Exer.:	
		Critical Think: <b>Ch 23:</b> Scenario 2	
11.	11/05/07	Circulatory System Medications Reproductive System Medications	<i>Ch 26: 580-616</i> <i>Ch 28: 630-660</i>
		Rev. Quest.: <b>Ch 26:</b> 4, 11, 41	
		Rev. Exer.:	
		Drug Info: nitroglycerine, Viagra	
		Critical Think: <b>Ch 28:</b> Scenario 1, 2	
12.	11/12/07	Medications for the Respiratory System	<i>Ch 25: 556-580</i>
		Rev. Quest.: <b>Ch 25:</b> 34, 35	
		Drug Info: Vasotec	
		Critical Think:	

Class Schedule (continued):

<b>Class</b>	<b>Date</b>	<b>Topic</b>	<b>Reading</b>
13.	11/19/07	Medications for the Gastrointestinal Tract Medications for the Urinary Tract	Ch 24: 522-556 Ch 27: 616-630
	Rev. Quest.:	<b>Ch 24:</b> 19	
	Rev. Exer.:		
	Critical Think:		
14.	11/26/07	Medications for Mental Disorders Drugs of Abuse & Misuse	Ch 30: 700-730 <i>Ch 31: 730-755</i>
	Rev. Quest.:	<b>Ch 31:</b> 1, 10	
	Rev. Exer.:		
	Drug Info:	Prozac	
	Critical Think:		
15.	12/03/07	Nervous System Medications Stroke Treatment – Current Medications	<i>Ch 29: 660-700</i> Handouts
	Rev. Quest.:	<b>Ch 29:</b> 2, 16, 58, 70	
	Rev. Exer.:		
	Critical Think:		
16.	12/10/07	Final Exam	Review All

Class Schedule Notes:

1. All numbers under reading refer to page numbers in Pharmacology: Principles & Applications.
2. All sections in *italics* are core competencies and will make up a greater percentage of test questions.

Homework:

The following assignments are to be submitted by Sunday at midnight on the week assigned. Please cut and paste your answers into your email. **Attachments will not be accepted.**

<i>Syllabus Key</i>	<i>Section in Chapter</i>
Rev. Quest.	Review Questions
Rev. Exer.	Review Exercises
Critical Think	Critical Thinking

The assignments below are to be submitted by Sunday at midnight on the week assigned. These assignments should be uploaded into your student file. You can find this under the “Students” tab in UCompass.

<i>Syllabus Key</i>	<i>Section in Chapter</i>
Drug Info:	Drug Sheets: Packet in “Course Materials”

Grading Scale:

Progress of the student will be measured on the basis of performance on written tests, quizzes, attendance, course compass material, and homework assignments. Based on the following percentage values, the final grade will be determined by adding the individual percentages and matching the total to the scale below. Grading will **NOT** be on a curve.

<u>Class Activity</u>	<u>Points</u>	<u>Percent of Grade</u>
UCompass Assignments (Attendance / DB)	320	32%
Homework	250	25%
Quizzes	90	9%
Midterm Exam	140	14%
Final Exam	<u>200</u>	<u>20%</u>
Total Points	1000	100%

Final Letter Grade Scale:

<b>Points</b>	<b>Grade</b>	<b>Percentage</b>	<b>Grade</b>
1000 - 950	A	799 - 750	C+
949 - 900	A-	749 - 700	C
899 - 870	B+	699 - 600	D
869 - 840	B	599 - 000	F
839 - 800	B-		

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|---------|---|
| Step 1. | Contact John Davanzo, Instructor                      |
| Step 2. | Contact Ron Bodurka, Associate Dean of Health Careers |
| Step 3. | Contact, Dean of Health Careers                       |

Conflict Resolution:

In the event of questions, comments, and/or conflicts in the course of the program the following chain of command has been established for follow-up. It is the student's responsibility to follow this structure in attempts to resolve problems and/or submit opinions for changes.

General Class Policies

1. In order to successfully complete the course the student may not have more than one unexcused absence or more than two excused absences.  
-Note: Three unexcused or excused late arrivals or early exits will be counted as one absence. Excused late arrivals and absences are at the discretion of the instructor.
2. Quizzes are not made up  
  
Tests missed due to unexcused absence will not be made up.
3. All late work (work turned in after the due date) will be subject to a 10% per class penalty calculated on the graded score. Work which is more than two weeks overdue will not be accepted.
4. Interactive and innovative courses need class participation to be successful. If you have a question, comment, or tidbit to add to a subject, it is your own fault if you do not speak up. Others may benefit from your input. Please share!
5. Don't be afraid to questions why? Remember that much of medicine operates in a grey zone. It helps to see the various shades of grey if you understand the issues. It's "big" versus little picture stuff!
6. Medical courses are work but can also be fun! Your participation in creating a class in which this happens will determine the outcome. You make a difference in class and out in the world!
7. This class is **not** you against your fellow student...it's you improving yourself and learning the skills necessary to progress in your chosen career. If a classmate is having problems or doesn't understand, give them a hand. You may find that by teaching it to others, you understand it even more! It's what we hope you will be doing in the workplace!

8. Quizzes are an education opportunity - as such, we (your instructors) need to provide them to you to help you gauge your understanding of material. Normally, quizzes are not made up. Quizzes may or may not be announced prior to. As a student in the program, you should expect to take a quiz each week.
9. Students should plan at least two hours per week per credit hour of class aside in their schedule for both study and assignments.
10. Part of working in healthcare is learning to work with others. Healthcare providers function on a team concept. Without it, lives are lost. Because of this, part of your grade will be based on group activities on UCompass. You are held accountable for your participation in these group activities through the grading system indicated by the class instructor. Teamwork should be shared and equal amongst your team strengthening weak skills while maximizing use of individual strengths. By doing this, everyone benefits.
11. Henry Ford Community College serves a diverse population of healthcare students from a number of different, and sometimes competing, agencies. The Health Careers programs are a neutral place for all students to better themselves and learn new information to help them better serve their patients. Therefore, the Health Careers program staff, many of whom work for these different agencies, respectfully request that all differences be left at the door during class sessions. Also, in the course of your education experience instructors will discuss case studies and answer student questions related to specific calls and situations. The information given and the discussions that ensue are not to be construed as negative and/or "bashing" any particular service but used as a learning experience. Without these case studies and discussions the program would lose much of its practical value so please keep in mind this is a learning center not a political arena.