

HDHL 230
Drugs and Society
Monday/Wednesdays/Fridays
9:00 to 9:50 AM
Linfield 113
Spring Semester, 2008

Instructor: Jim Carter

Office: 114A - Herrick Hall

Office Hours: Mondays and Wednesdays - 10 to 11 AM

Tuesdays - 9 to 10 AM

Additional office hours available upon request

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Course Description

This course is designed to cover the basic issues surrounding drug use and abuse of both legal (alcohol, nicotine, OTC's, etc.) and illicit (methamphetamine, cocaine, heroin, LSD, marijuana, etc.) substances. The effects of drug use on the individual and impact on society, as well as past and present prevention/education strategies will be examined. In addition, the student will be provided with background knowledge and risk reducing skills, so they will be guided to make healthy personal choices thus contributing to a healthier society.

Required Reading Material

- o **Drugs, Behavior and Modern Society, 5th ed., Charles F. Levinthal**

Objectives

- Describe the trends of drug use in the United States
- Identify the biological and societal impact of substance use
- Develop a basal understanding of substance classifications
- Formulate a critical understanding of the strengths and weaknesses of substance abuse prevention/education programs
- Reflect on personal values and perceptions of substance use and begin to integrate other's perceptions and points of reference
- Accept personal responsibility for the choices you make when using substances

Attendance

Attendance is expected. Student is solely responsible in obtaining notes and assignments. It has been proven that students who attend classes regularly and participate during discussions, complete exam study guides and assignments perform best on examinations. Furthermore, students are expected to **TURN MOBILE COMMUNICATION DEVICE OFF and stowaway**, arrive promptly for each session and to remain for the entire class. I advise each student to set up a network among fellow classmates to keep each other apprised to readings, assignments and exams. I will not respond to voice mails or emails from students desiring me to send them lecture abstracts or PowerPoint presentations.

Communication Avenues

There are several mechanisms of communication that students can use:

- Attend. class and glean changes in course requirements that are presented during seminar sessions
- Email james.carter@montana.edu
- establish and use network you establish among your class peers
- review emails sent from instructor via Listserv or items posted on WebCT
- Appointments with instructor during office hours
- Leave a voice mail message (994-1993)

Academic Expectations

- *Read your syllabus thoroughly*, answers to most of your queries are found in this syllabus.
- Associative lecture readings are to be completed prior to class sessions
- In addition to attending class sessions, student is expected to pass in assignments/papers at the beginning of class on the due date, take exams when scheduled.

Behavioral Expectations

Discussion is encouraged throughout this course and *all* participants will be expected to listen respectfully while others are speaking.

- **Mobile communication devices MUST BE TURNED OFF and stowed away during class sessions**
- **ELECTRONIC devices are NOT permitted during examinations**

Any form of engagement in electronic behavior during class (i.e. ringing cell phones, answering cell phones, text messaging friends and family, working on a laptop, listening to Ipods/MP3 etc.) is not acceptable during the class period. You will be asked to leave the classroom and not return during that session.

In reference to Carnegie Units/Hours, 6 hours of outside class time per week is expected; please refer to this link:

Academic Dishonesty

- Plagiarism includes the work of your fellow students as well as published materials.
- Plagiarism the using the work of another person and submitting it as your own, is strictly forbidden.
- The guidelines of MSU's Academic Integrity followed in cases of academic dishonesty.
These guidelines include the assignment of the academic penalty of "F" for the assignment and/or the course and report of the offenses to the appropriate office. For complete review of guidelines: *MSU 2006-8 Undergraduate Bulletin*- or visit this link: <http://www2.montana.edu/policy/studentconduct/cq400.html>

email - List Serve/WebCT

All students enrolled in this section will AUTOMATICALLY be added to the List Serve email group for this course. MSU uses WHATEVER EMAIL ADDRESS YOU HAVE PROVIDED under "MY INFO" on the MSU website (www.montana.edu). If you are not receiving emails, it is YOUR RESPONSIBILITY to ascertain your personal profile and update your email address. If you are still having problems, please call ITC at 994-1777 to find out why you are not receiving class emails. Some servers (hotmail, gmail, and yahoo) will sometimes block List Serve messages, mistaking them for junk mail. In this case you may need to set up a MSU email address. Please, DO NOT EMAIL THE PROFESSOR PROVIDING HIM/HER WITH YOUR NEW EMAIL ADDRESS. If you update your "My Info", then it will be added to the List Serve automatically.

Course Requirements

This course is organized into major content areas:

- *Substances and their impact on human systems (basic pharmacology)*
- *Substance Use and the impact on society*
- *Substance classifications*
- *Review of prevention/treatment substance programs*
- Resource development and networking
- Medicinal Use of Substances

Exams 2 X 150 points each

 1 X 100 points

- Exams are NOT cumulative in style but presented material is continually built upon and reinforced
- The exams will cover materials from the text, articles, class presentations and discussions.

Writing Assignments = 25 points each

- No paper will be accepted late
- Papers are due at the *beginning* of class on the date designated and presented on the course syllabus.
- Students are expected to write their papers using proper APA format. Guidelines for APA . formatting are available online at: <http://www.unc.edu/depts/wcweb/handouts/apa.html>
- Students are encouraged to contact the MSU Writing Center at 994-5315 <http://www.montana.edu/msutoday/nwview.php?article=2683&pid=2>
- For this course, conscientiousness is expected in paper compositions; instructor reserves the right to turn back paper compositions that don't meet stated expectations, resubmits will not be allowed

Instructor reserves the right to administer in class quizzes/tasks totaling 20 points

Grades will be based on the following points:

Exams 400

Papers 50

Intermittent tasks 20

Total 470

A 94% to 100%

A- 90% to 93%

B+ 87% to 89%

B 84% to 86% B-

80% to 83% C+

77% to 79%

C 74% to 76%

C- 70% to 73%

D+ 67% to 69%

D 64% to 66%

D- 60% to 63%

F 59% and below

It is recommended that students check the email grade updates that are sent out after exams via the Listserv/WebCT to confirm that grades are correctly recorded.

Tentative Course Outline of Material that will be presented:

Date	Topic	Readings
Jan. 16	Overview	
Jan. 18	Drug Use and Human Behavior	Chapter 1
Jan. 21	NO CLASS – MLK Day	
Jan. 23	Drug Seeking Behavior in Humans	Chapter 2
Jan. 25	Drug Mechanisms of Action	Chapter 3
Jan. 28	Neurotransmitters, pharmacokinetics, etc.	
Jan. 30	Stimulants – nicotine (tobacco)	Chapter 11
Feb. 1	Stimulants – caffeine	Chapter 12
Feb. 4	Acknowledgement of Course Expectations Due Stimulants – cocaine, amphetamine	Chapter 4
Feb. 6	Stimulants - methamphetamine, aka ecstasy	
Feb. 8	Depressants – narcotics	Chapter 5
Feb. 11	Depressants – alcohol	Chapter 9, 10
Feb. 13	Depressants - alcohol	
Feb. 15	EXAM 1	
Feb. 18	NO CLASS – Presidents Day	
Feb. 20	Hallucinogens - LSD	Chapter 6
Feb. 22	Hallucinogens - serotonin, norepinephrine, acetylcholine effectors, and PCP, Ketamine	
Feb. 25	Hallucinogens - Inhalants	Chapter 13
Feb. 27	Hallucinogen – Marijuana	Chapter 7
Feb. 29	Paper #1 Due Performance Enhancing Substances	Chapter 8
Mar. 3	Herbal Enhancers/Treatment	
Mar. 5	Sex Predator Drugs	
Mar. 7	Current Research on Interactions	

Spring Break	March 10 through March 14	
Mar. 17	Dietary Supplements	Chapter 14
Mar. 19	Over the Counter Medications, aka OTC	
Mar. 21	NO CLASS – University Day	
Mar. 24	FDA Drug Approval Process	pp. 336-345
Mar. 26	Medicinal Use – sedative-hypnotics	Chapter 15
Mar. 28	Medicinal Use – antianxiety and mood disorders	Chapter 16
Mar. 31	EXAM 2	
Apr. 2	Treatment and Intervention	Chapter 17
Apr. 4	Prevention Strategies	Chapter 18
Apr. 7	Legal Issues, legalization	
Apr. 9	Paper #2 Due	
	Vaccines	
Apr. 11	Vaccines	
Apr. 14	Medications used for Sexual Dysfunction	
Apr. 16	Medications used for Chronic Diseases - Hypertension	
Apr. 18	Medications used for Chronic Diseases - Diabetes	
Apr. 21	Medications used for Chronic Diseases - HIV	
Apr. 23	Medications used for Chronic Diseases - Asthma	
Apr. 25	Hormonal Contraception	
Apr. 28	Emergency Contraception	
Apr. 30	General Information on the Pharmaceutical Industry	
May 2	Review Session	
May 7	Wednesday 8 to 9:50 AM – Linfield 113 EXAM 3	

Paper #1 Composition - Due Friday February 29, 2008

Total Point Value: 25 points

Intention of this assignment:

- 1) Understand the SOAP process
- 2) Apply and assess the quality study design model when reviewing research
- 3) Exposure to professional journals
- 4) Acquire a genuine health interest to follow over a long period of time

General Characteristics of the Paper to be passed in by you:

- Stapled pages together
- Cover page with course title, paper name (topic theme you SOAP'ed), your name place inside a transparent clasp type folder
- The SOAP'ed information
- References, links, copy of the article
- Assessment for Paper #1

SOAP an article/study

Subjective, Objective, Assessment, Plan

S: (Subjective) Why did you chose this topic area? What are the most striking information/data the research article presented; caught your eye, interest, emotion? What reason(s) did the researcher(s) chose this focus of study?

O: (Objective) What quantitative/succinct information and data was presented?

A: (Assessment) What conclusions were made from the researchers/investigators?

P: (Plan) What plan/action did the researchers/investigators suggest should take place or will follow up doing? How did this research change your perspective? How did it enlighten you? What do you hope will pan out as you continue your interest and follow up on this area of study?

Presentation of Paper

- Place the Paper Assessment #1 page in back
- Place the paper inside of a clasp type transparent folder
- Cover page
- Name of Clinical/Professional Journal, issue, pages
- Name of Article/Study
- Researchers/Investigators
- Date (must have been published within July, 2006 to present) consult instructor for exceptions
- S O A P the article (see above process)
- Assess against quality research design
 - Long Duration
 - Quality/Quantity of Life Enhancement (Outcomes)
 - Double Blind
 - Placebo Control/Conventional Therapy
 - Equipotent head to head
 - arms
 - Both genders, if appropriate
 - age range
 - multinational
 - poly race
 - Who paid for it/funded the study?
- Resource page providing links/references and actual copy of the article
 - Students are encouraged to contact the MSU Writing Center at 994-5315 <http://www.montana.edu/msutoday/nwview.php?article=2683&pid=2>
 - For this course, conscientiousness is expected in paper compositions; instructor reserves the right to turn back paper compositions that don't meet stated expectations, resubmits will not be allowed

Student's Name _____

HDHL 230 - Drugs and Society

Paper #1 Assessment

Assessment of SOAPing a Study and Assessing its Quality

Total Point Value: 25

_____ Paper presented inside a transparent clasp folder· cover page with name, course title, paper's focus, (2 points)

_____ Name of Clinical/Professional Journal, issue (1 point)

_____ Name of Article/Study (1 point)

_____ Name of Researchers/Investigators (1 point)

_____ Date of Article (1 point)

_____ Subjective Statement (3 points)

_____ Objective Presentation of Data (3 points)

_____ Assessment Statement on Results (3 points)

_____ Plan Statement (3 points)

_____ Assessing the Quality Design of the Study 3 points)

_____ Flow and readability of paper (2 points)

_____ Reference Page, providing access link/or copy of paper (2 points)

_____ Your total points out of 25

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Paper #2 Composition – 2008 Due Wednesday April 9, 2008

Total Value: 25 points

Intention of this assignment

- Apply the SOAP process
- Exposure to the drug-drug/substance interactions
 - Determine the safety of using the drugs/substances together and possible alternatives

Medicinal Drug Interaction Analysis

- Present two substances/medications that a patient might take and for what diseases/conditions
- Do a search uncovering the potential interactions that may occur when these two prescription medications are used together
- Since alcohol is the drug of choice in the US, uncover what the potential interactions might be when alcohol is ingestion along with these medications
- Pick a common Herbal Substance, i.e. Ginkgo Biloba then assess the potential interaction

Suggested Sources to utilize when assessing interactions:

- [http://www.naturaldatabase.com/S\(lbhe4155ij2pw1ql1spwxuy2}\)/ce/ceCourse.aspx?s=ND&cs=&st=0&li=0&pc=07%2D34&cec=1&pm=5](http://www.naturaldatabase.com/S(lbhe4155ij2pw1ql1spwxuy2})/ce/ceCourse.aspx?s=ND&cs=&st=0&li=0&pc=07%2D34&cec=1&pm=5)
- <http://www.drugstore.com/pharmacy/drugchecker/default.asp?atrxdps-16&atrxp1=52901&atrxp2=2&atrxp3=%2Fpharmacy%2Fdrugchecker%2Fdefau%2Easp&atrxp4=10663>
- <http://www.drugdigest.org//DD/Interaction/ChoseDrugs/1,4109,,00.html>

General Characteristics of the Paper to be passed in by you:

- Stapled pages together
- Cover page with course title, paper name (topic theme you SOAP'ed), your name place inside a transparent clasp type folder
- The SOAP'ed information
- References, links, copy of the article
- Assessment for Paper #2

S: (Subjective) Present the focus of your interactions and why you chose these two medications and herbal preparation

O: (Objective) Present your interaction findings – you may clip the information from the sites then clean up the presentation of the information

A: (Assessment) What conclusions have you made from the interaction assessment you have performed?

P: (Plan) What steps/actions should the user of these substance take or consider? What alternatives do you suggest to counter the interactions or other strategy should the patient use to manage the condition/disease.

- Provide the links used, citations for the resources, etc. that you used when assessing the interactions

Student's Name _____

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Paper #2 Assessment

Drug Interaction Paper Composition

Total Point Value: 25

_____ Paper presented inside a transparent clasp folder· cover page with name, course title, paper's focus, (2 points)

_____ Subjective statement of two substances being assessed for interaction and the herbal you chose (5 points)

_____ Objectively (clipped) present information of interaction (5 points)

_____ Assessment/conclusions regarding the two drugs being use together along with assessing alcohol's impact and the herbal interactions (5 points)

_____ Plan patient/person should follow when using these two substances with/without alcohol, with/without the herbal; alternative management of disease condition (5 points)

_____ Flow and readability of the paper (1 point)

_____ Citing's/Links to references used (2 points)

_____ Your total Points out of 25

HDHL 230 – Drugs and Society, Spring 2008

Acknowledgement of Course Expectations **DUE: Monday FEBRUARY 4, 2008**

By signing this Document, I, _____ :

(Print your name)

1. Verify that I have read the entire course syllabus for HDHL 230 – Drugs and Society, the Writing Guidelines and know dates of EXAMS and when the PAPERS are DUE.
2. Understand the guidelines and expectations of this course.
3. Agree to attend all classes during this 15-week session, unless extraordinary circumstances prevent me from doing so.
4. Agree to come to class prepared by doing the assigned readings and completing writing assignments before I come to class.
5. Agree to proofread my papers before handing them in and to only turn in quality papers in this course.
6. Agree that if I have any questions about the course I will first refer to my syllabus to find the answer, check in with other students, and then contact my instructor.
7. Agree that I will do what I need to do, as outlined in the syllabus, to get set up on the class List Serve/WebCT in order to receive information about the course.
8. Agree to take full responsibility for my learning and gathering the material presented in this class.
9. Agree to spend 5 to 6 hours a week outside of class time to review and prepare for this course; refer to Carnegie Units/Hours of academic responsibility.
10. I will NOT CHEAT during exams and if I do and the instructors identifies that I have, I will immediately drop the class.

Student Signature

Date

*This Acknowledgement of Course Expectations **MUST be READ, SIGNED and TURNED IN** to the instructor on **Monday February 4, 2008** or student will be asked to drop this class.*