HSC 2330  Etiology and Epidemiology of Addiction  Summer II, 2005
Mon-Fri 9:40 – 11:10 A.M.  Doyne Health Science Room 313

Instructor: Lisa K. Ray
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Website: http://faculty.uca.edu/~lray/

Office Hours: Please feel free to drop in, but if you have important business, make an appointment!!

Monday through Thursday: 8:00 – 9:30 AM and 11:15 – 1:00 PM
Friday: 8:00 – 9:30 AM

Course Description: This course will address the psychological, physiological and socio-cultural influences upon addictions. The distribution as well as the disease concept of addictions will be studied.


Course Objectives: Upon completion of the course, students will be able to:

1. Explain the rationale to the disease model of addictions;
2. Describe the psychological theories associated with addictions;
3. Describe the physiological theories associated with addictions;
4. Describe the socio-cultural theories associated with addictions;
5. List arguments for and against legal sanctions imposed upon addictive substances;
6. Demonstrate organizational and writing skills in formulating one’s own understanding of the etiology of addictions;
7. Demonstrate critical thinking skills in debating issues surrounding drug legalization;
8. Explain historical and current trends in relating to distribution and use of addictive substances;
Course Outline:

I Prevalence and distribution of addictions
   A. Historical perspective of epidemiology of addictions
   B. Current trends in etiology of epidemiology of addictions
   C. Legal sanctions and other attempts to control availability and use of addictive substances.

II Theories relating to the etiology of addictions will include, but not be limited to the following:
   A. Moral Model
   B. Psychological Theories
   C. Biological Theories
   D. Socio-cultural Theories
   E. Alternative Explanations

III The Brain Biology of Drug Abuse and Addiction
   A. Terminology
   B. Genetics of Addiction
   C. Brain Chemistry and the Anatomy of Addiction

IV. Physiological and Behavioral Consequences
   A. The effects of alcohol
   B. The effects of cannabis
   C. The effects of stimulants
   D. The effects of sedatives
   E. The effects of narcotics
   F. The effects of hallucinogens
   G. The effects of inhalants
   H. The effects of drugs and alcohol on offspring

V. Regulating Drugs and Their consequences
   A. Sociocultural influences on public drug policy
   B. Economic and political factors
C. Changes in Drug Use patterns
D. The nature of drug control
E. Assumptions underlying regulation
F. Regulation of Alcohol
G. Control of illicit drugs
H. Drugs, Alcohol and Crime

VI. Chemical Dependency: Current Issues and Future Prospects

A. Research
B. Policy
C. Delivery of Services
D. Implications for education, research and training.

**Course Requirements and Evaluation:**
1. Exams: There will be four exams including the final exam. Each exam will be worth 100 points. Students will be given the examination schedule at the beginning of the semester.

2. Quizzes: Unannounced quizzes may be given throughout the semester. If a student is late or absent for the quiz, that quiz cannot be made up. The quizzes will be “extra credit”.

3. Grading Scale:

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<thead>
<tr>
<th>Percentage</th>
<th>Grade</th>
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<tbody>
<tr>
<td>90-100%</td>
<td>A</td>
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<tr>
<td>80-89%</td>
<td>B</td>
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<td>70-79%</td>
<td>C</td>
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<td>60-69%</td>
<td>D</td>
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<tr>
<td>Below 60%</td>
<td>F</td>
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**Tentative exam schedule:**
Exam # 1: Wednesday, July 20, 2005
Exam # 2: Friday, July 29, 2005
Exam # 3: Friday, August 5, 2005
Final Exam: Friday, August 12, 2005

**Absences from class:** Students are required to attend class regularly and to be punctual in their attendance. Students are responsible for all work missed due to illness or university business. Roll will be called at the beginning of
each class. If a student misses roll call because of lateness, it is the student’s responsibility to notify the instructor at the end of the class so that an adjustment of the attendance record can be made. More than four absences will result in a lowering of the course grade (i.e. lowered by one letter grade), at the instructor’s discretion. Chronic absences may result in additional letter grade drops. Students may also be dropped from the class for non-attendance. Students should be courteous and discreet in the event of an emergency necessitating the need for the student to leave the classroom.

**Behavior in Class**: Participation in class in encouraged, however consideration of your fellow students is required. This is a professional degree program and students are expected to behave accordingly. Failure to conduct yourself in a professional and courteous manner may result in being asked to leave class or being dropped from the class.

**Examinations and quizzes**: All examinations are to be taken at the time they are scheduled. If a problem arises requiring a student to be absent for an exam, the student should meet with the instructor as quickly as possible to reschedule the exam. If possible, the student should meet with the instructor before the scheduled examination. Failure to promptly take make-up examinations may result in a lowering of the exam grade. Unannounced quizzes CANNOT be made up. If the student is late or absent for a quiz, that quiz cannot be made up.

**Cell phones and pagers**: Cell phones and pagers must be turned off before class begins. Abuses of these electronic devices will result in the student being asked to drop the class.

**Student Handbook**: Students should be familiar with all policies in the student handbook; especially the sexual harassment policy and academic policies.

**Documented disabilities**: Any student with a documented disability (e.g., physical, learning, psychiatric, vision, hearing, etc.) who needs to arrange reasonable accommodations must contact the instructor and the Disability Services at the beginning of the semester. The University of Central Arkansas adheres to the requirements of the Americans with Disabilities Act. If accommodations are needed under this Act due to a disability, contact the Office of Disability Support Services at 501-450-3135.
**Academic dishonesty and plagiarism:** Students involved in or supporting acts of academic dishonesty and/or plagiarism will lose credit for the assignments or exam and may be withdrawn from the class with a WF. Book bags and notebooks will be kept under the desks and may not be opened during exams. Students leaving the class during an exam will not be allowed to continue the exam. Students may also be asked to draw for seat assignments. Students are responsible for bringing two # 2 lead pencils and a pen to the exam. The Student Handbook defines academic misconduct as follows:

1. Any academic dishonesty in connection with the taking of, or in contemplation of the taking of any examination. For the purposes of this policy, any student is academically dishonest who (a) knowingly discovers or attempts to discover the contents of an examination before the contents are revealed by the instructor; (b) obtains, uses, attempts to obtain or use any material or device dishonestly; or (c) supplies or attempts to supply to any other person any material or device dishonestly; or (d) during the course of an examination obtains or attempts to obtain unauthorized information from another student or from another student’s test materials.)

2. Any misrepresentation of academic work by a student as the product of their own study and efforts.

3. The unauthorized possession, taking, or copying of solutions manuals or computerized solutions for homework or research problems assigned by a professor and/or instructor.