

Survey of Toxicology - FSC 430L -Spring 2010

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Class: FSC 430L, AKH 107

Time: Tuesday 8:00-10:45, Thursday 8:00-10:45

Description: 1 credit hour: Discussions and experiments covering aspects related to the preparation of biological samples for the purpose of analysis of illicit and non-illicit drugs in these samples. This course is a co-requisite with FSC 430 lecture. Pre-requisites are FSC 140/140L and basic science requirements outlined in the students chosen emphasis area.

Drop Dates: The last day to drop a class and receive full financial credit is February 1, 2010. March 3, 2010 is the last day to drop the course without academic penalty.

Course Communication: Communication with students will primarily be during lab meetings. If there are any changes that arise in the syllabus or lab schedule between meetings, each student will be notified of the change via USM email. Therefore, it is a given that each student is expected to have their USM email address activated for this purpose. A departmental mailing list has been set up for the forensic science students. Please visit <https://mail.usm.edu/mail/listinfo/forensics> to sign up if you have not already.

ATTENDANCE: THERE WILL BE 10 LABS THROUGHOUT THE SEMESTER. YOU WILL BE ALLOWED TO MISS ONE OF THESE 10 LABS WITHOUT PENALTY, IF YOU PRESENT SOME SORT OF A VALID EXCUSE (DR. VISIT/ COURT/ PROOF OF A FUNERAL/ ETC.). IF YOU MISS TWO LABS YOU WILL DROP ONE LETTER GRADE. IF YOU MISS THREE LABS, YOU WILL FAIL THIS CLASS.

IF YOU ARE MORE THAN 10 MINUTES LATE FOR ONE OF MY LABS, YOU ARE CONSIDERED ABSENT. YOU MAY STAY FOR THE LAB THAT DAY, BUT YOU WILL NOT TAKE THE QUIZ AND I WILL NOT REPEAT ANY INFORMATION/ PROCEDURES THAT YOU MISSED.

NO LABORATORY MEETING MISSED BY A STUDENT MAY BE MADE-UP AND NO MAKE UP QUIZES WILL BE GIVEN. If you know of a laboratory meeting you will miss, arrangements **MUST** be made with me in advance to take the lab with another section. Cell phones **MUST** be turned **OFF** prior to the start of lab.

LAB NOTEBOOKS ARE DUE ON THE SCHEDULED DATE. IF YOU FAIL TO TURN YOUR NOTEBOOK IN ON THAT DAY, A DEDUCTION OF -0.5 POINTS WILL OCCUR FOR EVERY DAY THEREAFTER. IF YOU MISS THE MIDTERM OR THE FINAL (WITHOUT AN EXCUSE) YOU WILL NOT BE ALLOWED TO MAKE IT UP AND WILL BE ISSUED A “0”.

SAFETY is always a primary concern within any laboratory especially when conducting experiments. Safety glasses, gloves and a lab coat will be required. Safety glasses must have lens containing UV protection.

Notebook Format:

- Composition, Marble notebooks only! NO spiral notebooks!
- Notebook must be written in blue or black ink.
- No white out or erasable ink is allowed.
- Notebook should be legible and coherent.
- First page of lab notebook should include your name, the course, the semester, your lab partner's name, and the page number (1).
- The table of contents should be the next page (2) and should include a title and date for each experiment, as well as the page numbers of the experiment.
- All lab entries must include a title, purpose, equipment and materials, description of experiment, formulas used, data collected, diagrams, conclusions and any other important information included in the experiment. Each page should be numbered and initialed at the bottom.
- The notebook will be graded twice, once at midterm and once at the end of the semester.
- Any questions about the set up of your notebook should be asked PRIOR to the due date of your notebook.

GRADES: There will be two exams during the semester a mid-term and last exam. Each exam is worth **35%**. There will also be weekly quizzes, with the lowest quiz grade being dropped. The quizzes will be worth **15%** of total grade and the notebook will also be worth **15%** of total grade.

Lab Meetings for Tuesday Class:

- **January 26**
- **February 2, 9, 23**
- **March 2**
- **March 9 – Midterm Exam and Notebook Due**
- **March 23, 30**
- **April 6, 13, 20**
- **April 27 – Final Exam and Notebook Due**

Lab Meeting for Thursday Class:

- **January 28**
- **February 4, 11, 25**
- **March 4**
- **March 11 – Midterm Exam and Notebook Due**
- **March 25**
- **April 1, 8, 15, 22**
- **April 29 – Final Exam and Notebook Due**

Grading Scale: Grading will be done on a 10 point scale where:

90–100 = A; 80– 89 = B; 70–79 = C; 60–69 = D; <60 = F

Course Objective: The course objective is to familiarize students with forensic laboratory instrumentation commonly used today for the purpose of identifying drugs and toxins in biological matrices. The laboratory is designed to follow the FSC 430 lecture class so that the student will be able to integrate theory with practice.

Learning Outcome: Students will learn to set up, maintain and use instrumentation to identify drugs and other toxic compounds in biological samples of interest in forensic science and law enforcement.

ADA Syllabus Statement

If a student has a disability under the American with Disabilities Act (ADA) and requires accommodations, he/she should contact the Office for Disability Accommodations (ODA) for information on appropriate policies and procedures. Disabilities covered by ADA may include learning, psychiatric, physical disabilities, or chronic health disorders. Students can contact ODA if they are not certain whether a medical condition/disability qualifies.

Address: The University of Southern Mississippi

Office for Disability Accommodations

118 College Drive #5127

Hattiesburg, MS 39406-0001

Voice Telephone: (601) 266-5024 or (228) 214-3232 Fax: (601) 266-6035

Individuals with hearing impairments can contact ODA using the *Mississippi Relay Service* at 1-800-582-2233 (TTY) or email Suzy Hebert at Suzanne.Hebert@usm.edu.

University Academic Honesty Policy

The University's academic honesty policy will be strictly enforced. You are expected to understand the policy which is available in the University Bulletin at the following address:

<http://www.usm.edu/registrar/catalogs2007/undergraduate/pdfs/Student%20Life.pdf>. Plagiarism and/or

cheating will not be tolerated. There will be no excuse for lack of familiarity of the Student Code of Conduct in the Student Handbook.