

INSY 7090 – Occupational Safety/Ergonomics and Injury Prevention Forum

Auburn University
Department of Industrial & Systems Engineering
Fall 2006

Bulletin Description: (2). This is a graduate level course for students who have selected occupational safety and ergonomics (OS&E) and/or occupational injury prevention (OIP) as their focus areas within the Industrial and Systems Engineering Graduate curriculum. Activities will include: classroom lectures by faculty; lectures by visitors/experts in OS&E-OIP and senior doctoral students; laboratory demonstrations; selected readings; study and discussions of research literature; interdisciplinary plant/facility visits and activities with students from the Deep South Center for Occupational Health and Safety at the University of Alabama at Birmingham (UAB).

Professional Objectives: The objective of this course is to expose OS&E and OIP students to current research literature, research processes and professional practice issues in Occupational Safety and Health and Injury Prevention.

Faculty: Robert Thomas, PhD, PE, CPE, DN 212, 4-1420, rthomas@eng.auburn.edu
Jerry Davis, PhD, CPE, CSP, DN 309, 4-1411, davisga@auburn.edu

Text: Since this is a forum class, there is no central or main text. The following texts will, however, be used and available for background reference during the course.

Reference Text: Louis J. DeBerardinis, *Handbook of Occupational Safety and Health*, 2nd Edition, John Wiley & Sons Inc., New York, NY, 1999

Reference Text: Frederick P. Rivara, et.al, *Injury Control - A Guide to Research and Program Evaluation*, Cambridge University Press, New York, NY, 2001

Reference Text: Gavriel Salvendy, *Handbook of Human Factors and Ergonomics*, 2nd Edition, John Wiley & sons Inc., New York, NY.

Reference Text: John R. Wilson and E. Nigel Corlett, *Evaluation of Human Work*, 2nd Edition, Taylor & Francis, London, UK.

Office Hours: By Appointment

Attendance: Attendance is required for this course and will be taken.

Evaluation of Student Performance: Grades will be based on attendance and participation in journal club discussions (40%), participation in at least one OSG related activity (30%) and interaction in multidisciplinary activities (30%) throughout the semester. All students will be required to participate in at least one research related activity during the semester.

Quizzes: Announced & unannounced quizzes will be given at the discretion of the instructor. Class participation is required. Quizzes will not be given retroactively to students who are absent from class unless students have a Tiger Cub excuse.

Accommodations: Students who need accommodations are asked to arrange a meeting during the first week of classes. Bring a copy of the Accommodation Memo and an Instructor Verification Form to the meeting. If the student does not have the necessary paperwork, an appointment with The Program for Students with Disabilities should be made, 1244 Haley Center, 844-2096.

Tentative Schedule

Lecture Class meets on Wednesday 12:00 to 1:00 in DN 205, and a one-hour weekly research related activity requirement.

<u>Week</u>	<u>Date</u>	<u>Classroom Topics</u>	<u>Faculty</u>
1	8/16	Course Overview and Introduction	Thomas
2	8/23	NIOSH Proposal Overview	Thomas
3	8/30	Term Research Related Activity	Davis
4	9/6	Human Factors Update	Dorris
5	9/13	NORA Research Proposal	Piper
6	9/20	Term Research Related Activity	Davis
7	9/27	NIOSH Interdisciplinary/Research Activity	Thomas
8	10/4	Term Research Related Activity	Davis
9	10/11	Term Research Related Activity	Davis
10	10/18	Term Research Related Activity	Davis
11	10/25	OSE Speaker	Thomas
12	11/1	Rani Muhdi Doctoral Proposal	Muhdi
13	11/8	Adam Piper Doctoral Proposal	Piper
14	11/15	Term Research Related Activity	Thomas
15	11/22	Thanksgiving Break (No meeting)	
16	11/29	NIOSH Site Visit for Program Renewal (UAB)	Thomas

Schedule subject to change based on topic coverage and unforeseen events.

Academic Honesty: ALL PORTIONS OF THE AUBURN UNIVERSITY STUDENT ACADEMIC HONESTY CODE (TITLE X11) FOUND IN THE TIGER CUB WILL APPLY TO THIS CLASS. All academic honesty violations or alleged violations of the SGA Code of Laws will be reported to the Office of the Provost, which will then refer the case to the Academic Honesty Committee.

Violations include, but are not limited to:

Cheating on an examination, such as copying from another's paper, using unauthorized notes, calculators, etc., or giving or receiving unauthorized aid, such as trading examinations, whispering answers, passing notes, or using electronic devices to transmit or receive information.

Plagiarism. This is using someone else's work without giving credit. It is, for example, using ideas, phrases, papers, laboratory reports, computer programs, data - copied directly or paraphrased - that you did not arrive at on your own. Sources include published works such as book, movies, Websites, and unpublished works such as other students' papers or material from a research service. In brief, representing someone else's work as your own is academically dishonest. *The risk of plagiarism can be avoided in written work by clearly indicating, either in footnotes or in the paper itself, the source of any major or unique idea or wording that you did not arrive at on your own. Sources must be given regardless of whether the material is quoted directly or paraphrased.*

Unauthorized collaboration. This is working with or receiving help from others on graded assignments without the specific approval of the instructor. *If in doubt, seek permission from the instructor before working with others.* Students are encouraged to learn from one another: Form study groups, discuss assignments, BUT each assignment must be individual work unless specifically stated and turned in as a group assignment.

- Copying another student's assignment and putting your name on it is plagiarism.
- You are encouraged to talk to one another about your assignments, however, all assignments must be done by the student whose name is on it!

Multiple submission. This means using the same work to fulfill the academic requirements in more than one course. *Prior permission of the instructors is essential.*