Course Number: ESCI 5322.001  Instructor: Thuy Fleming
Credit Hours: 3  Semester: Spring 2012
Class Room: NRC-1101  Meeting Time: 5:30-8:20pm W.
Instructor’s Office: NRC-1104  Office Hours: 12-1 PM Thursday & Friday
Phone: 825-3055  e-mail: thuy.fleming@tamucc.edu

Course Title: Industrial Hygiene Management

COURSE DESCRIPTION: This course provides an overview of industrial hygiene: anticipation and recognition, evaluation, and control of workplace hazards.


Prerequisites: None

Course Objectives: Successful participation and study in this course will enable students to:

1. Understand ethics in industrial hygiene practices
2. Know the history of industrial hygiene in the United State.
3. Be able to perform industrial calculation (time weight average, noise exposures and doses, ventilation calculation, and converting various units of exposures.)
4. Know the common workplace injuries/illnesses.
5. Understand the regulations of federal and states regarding to the practice of industrial hygiene.
6. Know how to use basic industrial hygiene sampling equipment.
7. Work in team on an industrial hygiene project.
8. Manage an industrial hygiene individual project.
9. Research and present the anticipation, recognition, evaluation, and control of an industrial hygiene issue in the workplace.
Course Requirements:

1. Regular class attendance will be documented. Students who must miss a class are responsible for obtaining notes and instructions or assignments from other class members.

2. Three examinations will be given during the semester. Students are expected to be prepared and complete these exams on the scheduled exam dates (see topic schedule.) Exams will include multiple-choice, true/false, filling in the blank, and short essay questions. Students with an excused absence from the instructor must make up the exam prior to the next class period.

(Note: Having more than one exam on the same date does not warrant an excused absence.) Unexcused absences for a scheduled exam will result in a grade of “0” for that exam.

3. Team Project Leader: Lead the team in preparing presentation & practices of the industrial hygiene equipment. The project includes the presentation about the piece of equipment and how to operate it. If a whole team cannot be there on their presentation day, it’s the team’s responsibility to arrange for their replacement with another team. If nobody from the team shows up on their presentation day and have no replacement, the whole team will lose the points. Topics and presentation dates will be given on the first meeting.

4. Weekly Quiz: a quiz that covers materials from the previous lecture will be given every week.

5. Graduate Level Term paper: Term paper on a research project. Topics will be given on the first meeting. Term paper must be typewritten. Term paper is not limited in length; however, 10 to 12 pages of in-depth and concise narratives are sufficient. Term paper must be submitted via e-mail by 5:30PM the day it is due. No hard copy will be accepted.

6. Graduate Level Presentation: A Power Point presentation on the above research project for the class. An outline must be submitted, via e-mail, 4 weeks prior to presentation date. The presentation must be submitted, via e-mail, 1 week prior to presentation date. Presentation time cannot be longer than 15 minutes.

General Information:

Emergency Procedures:

1. Evacuation: Use either the east, west, or front exit and proceed to the Harte Research Institute’s parking lot, or the Blucher’s parking lot depending on the location of the hazard.

2. Accident or Injury:
   a. Call 911 for an ambulance, provide all essential information such as the location, the type of emergency and the condition of the victim.
   b. Call 825-4444 to inform University Police Department of the location of the victim so they can lead the emergency personnel to the location.
Make Up Exams: Make up exams will only be given for University excused absences to attend University sanctioned events (i.e. athletic teams, Health & Safety conference) or documented medical reasons. In those cases it is the responsibility of the student to arrange for scheduling of a make-up exam no later than one week after the regular scheduled exam.

Students With Special Needs: The Environmental Science Program complies with the American with Disabilities Act in making reasonable accommodations for qualified students with disabilities. If you need disability accommodations in this class, please see me as soon as possible. Please have your accommodation letter from TAMU-CC Services for Students with Disabilities Office with you when you come see me. If you suspect that you may have a disability (physical impairment, learning disability, psychiatric disability, etc.) please contact the Services for Students with Disabilities Office (located in Driftwood 101) at 825-5816. It is important that you contact them in a timely fashion as it may take several days to review requests and prepare accommodations.

Class Conduct: All students are expected to follow proper Classroom behavior and treat other students and the instructor with respect. Disruptive behavior will cause the student to be asked to leave the class for the day. Repeated disruptive behavior will make the student subject to dismissal from the class for the semester.

- Cell phones and pagers will be silenced during class time. If cell phone disrupts the class, the student will be asked to leave and not return that class period.
- No computer, I phones, or other PDIs are allowed during class time.

Academic Integrity and Honesty: All students are expected to conform to college-level standards of ethics, academic integrity and honesty. By enrolling in this course, you agree to be bound by the Regulations and Procedures published in the TAMU-CC STUDENT HANDBOOK. Students are expected to do their own work and not duplicate that of others. Duplicate work will be considered cheating and the student will receive a zero on that assignment/exam.

Grade Appeal Process: As stated in University Rule 13.02.99.C2, Student Grade Appeals, a student who believes that he or she has not been held to appropriate academic standards as outlined in the class syllabus, equitable evaluation procedures, or appropriate grading, may appeal the final grade given in the course. The burden of proof is upon the student to demonstrate the appropriateness of the appeal. A student with a complaint about a grade is encouraged to first discuss the matter with the instructor. For complete details, including the responsibilities of the parties involved in the process and the number of days allowed for completing the steps in the process, see University Rule 13.02.99.C2, Student Grade Appeals, and University Procedure 13.02.99.C2.01, Student Grade Appeal Procedures. These documents are accessible through the University Rules Web site at http://www.tamucc.edu/provost/university_rules/index.html. For assistance and/or guidance in the grade appeal process, students may contact the Office of Student Affairs.
**Academic Advising:** The College of Science and Technology requires that students meet with an Academic Advisor as soon as they are ready to declare a major. The Academic Advisor will set up a degree plan, which must be signed by the student, a faculty mentor, and the department chair. The College's Academic Advising Center can be reached at 825-6094.

**Evaluation Criteria:**

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Exam 1</td>
</tr>
<tr>
<td>2.</td>
<td>Cumulative Exam 2</td>
</tr>
<tr>
<td>3.</td>
<td>Cumulative Final Exam</td>
</tr>
<tr>
<td>4.</td>
<td>Term paper</td>
</tr>
<tr>
<td>5.</td>
<td>Team Project (Leader:40, Assistant:10 each time)</td>
</tr>
<tr>
<td>6.</td>
<td>Graduate Presentation</td>
</tr>
<tr>
<td>7.</td>
<td>Equipment Note Book</td>
</tr>
<tr>
<td>8.</td>
<td>Equipment Station Practice Test</td>
</tr>
<tr>
<td>9.</td>
<td>Quizzes (8 quizzes, 20 points max each)</td>
</tr>
</tbody>
</table>

TOTAL: 1,000 points max

An accumulated score of 900 points or greater: A
An accumulated score from 800 to 899 points: B
An accumulated score from 700 to 799 points: C
An accumulated score from 600 to 699 points: D
An accumulated score below 600 points: Fail