

**Quantitative Industrial Hygiene Laboratory  
SFT 647L**

**Course Syllabus  
Spring 2006**

**Text:** Michael S. Bisesi. Industrial Hygiene Evaluation Methods, Lewis Publishers/CRC Press, 2000 N.W. Corporate Blvd., Boca Raton, Florida, Current Edition.

**Computer Requirements:** Basic internet research skills

**Instructor:** James D. McIntosh, CIH, CSP  
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**Office Hours:** 10:00 – 1:00pm T  
1:00 – 4:00pm Th

**Course Description:** The course acquaints the student with both the theory and practice of industrial hygiene sampling to assess human exposures to chemical, physical and biological agents in the workplace. The student will also become familiar with the legal requirements that impact upon the performance of exposure monitoring.

**Desired Learner Outcomes:** Following completion of this course, the student will be able to:

- Understand and describe the technical principles that underlie the collection and analysis methods used in industrial hygiene exposure monitoring.
- Assess potential safety and health problems using a variety of industrial hygiene sampling and analysis methods.
- Understand and explain the legal requirements that impact upon the performance of industrial hygiene sampling.

**Attendance Policy:** Students are expected to attend all scheduled classes. Attendance will be taken at each session.

### **Evaluation and Measurement of Student Progress:**

Students will be evaluated using the following criteria:

Midterm examination	100 points
Final examination	100 points
Project/ class participation	100 points

Material for the midterm and final examinations will be a combination of textbook, other reading assignments, lecture discussions and lab practical. The lecture material will not necessarily follow the reading assignments as outlined in the course schedule. Students will also complete an IH equipment project.

### **Grading Policy:**

Grades will be determined according to the following percentage system:

90% or higher	= A
80% to 89%	= B
70% to 79%	= C
60% or 69%	= D
59% or lower	= F

**Schedule and Reading Assignments**  
**SFT 647L**

Week 1	Introduction
Week 2	Unit 1, Unit 2
Week 3	Unit 3, Unit 4
Week 4	Unit 5, Unit 6
Week 5	Unit 7, Unit 8
Week 6	Unit 9, Unit 10
Week 7	Unit 11, Unit 12
Week 8	<b>Midterm Examination</b>
Week 9	Unit 13, Unit 14
Week 10	Unit 15, Unit 16
Week 11	Spring Break
Week 12	Unit 17, Unit 18
Week 13	Unit 19, Unit 20
Week 14	Unit 21, Unit 22
Week 15	Unit 23, Unit 24, Unit 25
Week 16	Dead Week: Review
Week 17	<b>Final Examination</b>