Syllabus – Fall 2018

The information on this syllabus is subject to change. The most up-to-date syllabus is located within the course in HuskyCT.

Program Information

This is a three-credit undergraduate level course and is one in a series of undergraduate courses in the Allied Health Sciences Occupational and Environmental Health and Safety (OEHS) Concentration. It is also a required course for students in the Allied Health Sciences Occupational Safety and Health (OSH) Post-baccalaureate Certificate Program.

This course was co-developed by Paul Bureau and Steven Pasiuk.

Course and Instructor Information

Course Title: Health Hazards in the Workplace  
Credits: 3  
Format: Online  
Prerequisites: AH 3570  
Professor: Steven Pasiuk

Email: Steven.Pasiuk@uconn.edu On and after the first day of classes, students registered in the course are to send messages to the instructor via the Messages tool in HuskyCT.

Availability: I will check into the course frequently, once a day at the beginning of the course and on average once every two days after that. If I expect to be away due to illness, travel or family obligations, I will make every attempt to notify you in advance. If you need to discuss an issue with me individually, please use the Messages tool in HuskyCT.

Permission Requests: Students requesting permission for registering should contact paul.bureau@uconn.edu. Include your PeopleSoft ID number and reason for taking the course.

Course Materials

Required Materials:

There is NO REQUIRED TEXTBOOK for this course. All mandatory readings and materials will be available either within the text of the course, or through links provided within the course.

Should you choose to research further into the subject matter, the following textbook is suggested (NOT REQUIRED):


Additional course readings and media are available within HuskyCT, through either an Internet link or Library Resources.

Course Description

Introduction to the physiological and/or toxicological interactions of physical, chemical and biological agents or stressors with the human body.

Course Objectives
By the end of the semester, students should be able to:

1. Recognize health and physical hazards and stressors in a workplace environment based on industrial hygiene regulations, guidelines, and exposure data.
2. Evaluate the significance of exposure data collected by industrial hygienists using tools and instruments.
3. Recommend interventions used by industrial hygienists to address identified hazards and stressors in the workplace.
4. Develop a communication plan to inform all stakeholders of recognized hazards and stressors in a workplace setting, the significance of collected exposure data, and recommendations for intervention.

Course Outline

Module 1 - Introduction to Industrial Hygiene
Module 2 - Toxicology Review
Module 3 - Hazardous Materials and the OSHA Hazard Communication Standard (HazCom)
Module 4 - Occupational Health Standards
Module 5 - Airborne Hazards
Module 6 - Air Sampling for Airborne Contaminants
Module 7 - Controlling Airborne Hazards
Module 8 - Indoor Air Quality (IAQ)
Module 9 - Dermal Hazards and Occupational Skin Disorders
Module 10 - Occupational Noise Exposure and Hearing Conservation
Module 11 - Ionizing and Nonionizing Radiation
Module 12 - Ergonomics
Module 13 - Thermal Stress
Module 14 - Selection and Use of Personal Protective Equipment (PPE)
Module 15 - Communication of Industrial Hygiene Information

Course Requirements and Grading

Summary of Course Grading:

<table>
<thead>
<tr>
<th>Course Component</th>
<th>Points</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Module Exercises</td>
<td>1500</td>
<td>70.1%</td>
</tr>
<tr>
<td>Module Quizzes</td>
<td>140</td>
<td>6.5%</td>
</tr>
<tr>
<td>Final Project</td>
<td>500</td>
<td>23.4%</td>
</tr>
<tr>
<td>TOTAL</td>
<td>2140</td>
<td>100%</td>
</tr>
</tbody>
</table>

Module Exercises (1500 points)

Each module consists of a combination of discussion and/or assignment activities that account for 100 points towards the final course grade. Therefore, for each module there is an opportunity to earn up to 100 points by participating in discussions and/or submitting assignments.

(1) Module Discussions

All course Module Discussions require both an initial posting and a minimum number of comments on fellow student initial postings for consideration of all available points. Initial posting should be submitted as free text in the Discussion forum. Comments should be done using the message feature. The specific number of comments required will be identified in the modules. The postings and comments must be substantive, complete, and advance the learning process, and all postings and comments are to be reviewed to be eligible for full credit. Proper spelling and grammar will be considered. Posts such as, I agree, or Good post, will not receive credit.
The deadline for submitting initial postings and comments on fellow student postings are listed in the Course Schedule. The instructor may also provide a summary table of due dates for all work. The late policy applies to Module Discussion deadlines.

(2) Module Assignments

Module Assignments are individual exercises. They are to be submitted as attachments saved as a Word.doc or .docx or an rtf. document. Each assignment has a discrete point value that contributes to the overall final course grade. Point values for each assignment are identified in the modules.

Deadlines for submitting Assignments are listed in the Course Schedule. The late policy applies to Assignment deadlines.

Module Quizzes (140 points)

Module Quizzes are individual exercises. Fourteen of the course modules contain a quiz. Each quiz consists of 10 multiple choice questions. Each question is worth 1 point toward the overall final course grade. You are allowed two attempts at each quiz. If you are not satisfied with your score on the first attempt, you may take it again. The result of the last attempt becomes the quiz score.

Deadlines for submitting Quizzes are listed in the Course Schedule. The late policy applies to Quizzes.

Final Project (500 points)

The Final Project is a cumulative applied project consisting of four parts; each part is worth 125 points. You will be presented with information and data and asked to perform the work of an industrial hygienist. Module Assignments, Discussions and Quizzes will prepare you for successful completion of the Final Project.

The deadline for completing the final project is listed in the Course Schedule. The late policy applies to the Final Project.

Grading Scale:

The final course grading scale is as follows:

<table>
<thead>
<tr>
<th>Grade</th>
<th>Letter Grade</th>
<th>GPA</th>
</tr>
</thead>
<tbody>
<tr>
<td>93-100</td>
<td>A</td>
<td>4.0</td>
</tr>
<tr>
<td>90-92</td>
<td>A-</td>
<td>3.7</td>
</tr>
<tr>
<td>87-89</td>
<td>B+</td>
<td>3.3</td>
</tr>
<tr>
<td>83-86</td>
<td>B</td>
<td>3.0</td>
</tr>
<tr>
<td>80-82</td>
<td>B-</td>
<td>2.7</td>
</tr>
<tr>
<td>77-79</td>
<td>C+</td>
<td>2.3</td>
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<tr>
<td>73-76</td>
<td>C</td>
<td>2.0</td>
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<tr>
<td>70-72</td>
<td>C-</td>
<td>1.7</td>
</tr>
<tr>
<td>67-69</td>
<td>D+</td>
<td>1.3</td>
</tr>
<tr>
<td>63-66</td>
<td>D</td>
<td>1.0</td>
</tr>
<tr>
<td>60-62</td>
<td>D-</td>
<td>0.7</td>
</tr>
<tr>
<td>&lt;60</td>
<td>F</td>
<td>0.0</td>
</tr>
</tbody>
</table>

Due Dates and Late Policy
All course due dates are identified in the Course Schedule. Deadlines are based on Eastern Standard Time; if you are in a different time zone, please adjust your submittal times accordingly. The instructor reserves the right to change dates accordingly as the semester progresses. All changes will be communicated in an appropriate manner.

Course work submitted late, within 24 hours of the deadline, will be graded at 50% of its earned value. Work submitted 24 hours or more after the deadline will not be accepted, unless prior permission from the instructor was granted. Use HuskyCT Messages tool to request prior permission for tardy submittals, and provide a reason.

Feedback and Grades

I will make every effort to provide feedback and grades in a timely manner, typically within a calendar week of the assignment due dates. To keep track of your performance in the course, refer to My Grades in HuskyCT.

Student Responsibilities and Resources

As a member of the University of Connecticut student community, you are held to certain standards and academic policies. In addition, there are numerous resources available to help you succeed in your academic work. This section provides a brief overview to important standards, policies and resources, which include:

- The Student Code
  - Academic Integrity
  - Resources on Avoiding Cheating and Plagiarism
- Copyrighted Materials
- Netiquette and Communication
- Adding or Dropping a Course
- Academic Calendar
- Policy Against Discrimination, Harassment and Inappropriate Romantic Relationships
- Sexual Assault Reporting Policy

Students With Disabilities

Students needing special accommodations should work with the University's Center for Students with Disabilities (CSD). You may contact CSD by calling (860) 486-2020 or by emailing csd@uconn.edu. If your request for accommodation is approved, CSD will send an accommodation letter directly to your instructor(s) so that special arrangements can be made. (Note: Student requests for accommodation must be filed each semester.)

Blackboard measures and evaluates accessibility using two sets of standards: the WCAG 2.0 standards issued by the World Wide Web Consortium (W3C) and Section 508 of the Rehabilitation Act issued in the United States federal government.” (Retrieved March 24, 2013 from Blackboard’s website)

Software and Platform Requirements

The technical requirements for this course include:

- Word processing software
- Adobe Acrobat Reader
- Reliable Internet access
- PowerPoint or PowerPoint Viewer
- Video player such as Microsoft Media Player, RealMedia Player, etc.

Help

Technical and Academic Help provides a guide to technical and academic assistance. This course is completely facilitated online using the learning management platform, HuskyCT. If you have difficulty accessing HuskyCT, students have access to the in person/live person support options available during regular business hours through HuskyTech. Students also have 24x7 Course Support including access to live chat, phone, and support documents.
Minimum Technical Skills

To be successful in this course, you will need the following technical skills:

- Use electronic mail with attachments.
- Save files in commonly used word processing program formats.
- Copy and paste text, graphics or hyperlinks.
- Work within two or more browser windows simultaneously.
- Open and access PDF files.

University students are expected to demonstrate competency in Computer Technology. Explore the Computer Technology Competencies page for more information.

Evaluation of the Course

Students will be provided an opportunity to evaluate instruction in this course using the University's standard procedures, which are administered by the Office of Institutional Research and Effectiveness (OIRE).

Additional informal formative surveys may also be administered within the course as an optional evaluation tool.