Course Syllabus IE 682

Course Title: Industrial Site Visits

Course Number: ENOH 0564

Course Location: Video conference and Site visits to industrial facilities. Webcams are required.

Course Date & Time: Wednesdays; 9:00 AM to 11:00 AM
Six site visits, times vary according to site.

Course Instructor:
Mitchel A. Rosen, PhD
Associate Professor
Rutgers School of Public Health
300 Atrium Drive, Room 106
Somerset, NJ 08873
732-235-9452 (office)
732-484-1140 (cell)
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Office Hours: By Appointment

Course Website: **https://rutgers.instructure.com/courses/346107**

Zoom Link for class:

https://rutgers.zoom.us/j/94191990563?pwd=dHmv6YHvUWJYPtlK9mcf6abpvEqJnJ.1Links to an external site.

Meeting ID: 941 9199 0563
Password: 248940

This course is an interdisciplinary course of the New York and New Jersey Education and Research Center. Priority registration is given to NYNJERC Trainees. Others may register with permission of course instructor.

Required Readings:

Listed with each site visit on the syllabus and in Canvas.

Course Description: A review of major industrial processes and health hazards associated with each. Includes site visits to metropolitan NY/NJ industrial facilities during working hours. Trainees will learn key concepts of industrial hygiene and safety, including hazard recognition and control methods.

Selected Concentration Competencies Addressed: Each Concentration identifies competencies for each degree offered. The competencies addressed in this course for the MPH in Environmental and Occupational Health and Justice:

1. Identify occupational safety and health issues in the workplace
2. Apply current quantitative risk assessment approaches and methods for specific occupational safety or other health hazards
3. Apply federal and state regulatory standards which are related to worker safety and health protection.

Please visit the Concentration webpages on the School of Public Health's website at sph.rutgers.eduLinks to an external site. for additional competencies addressed by this course for other degrees and concentrations.

Course Objectives: By the completion of this course, students will be able to:

1. Identify exposure mechanisms to occupational safety and health hazards in industrial facilities
2. Develop a basic risk assessment plan for the characterization, management, and remediation of health and safety hazards
3. Identify occupational safety and health standards as they are applied in industrial settings.

Competency	Course Objectives(s)	Lessons	Assessment(s)
1	a, b	1, 2, 3, 4, 5, 7, 9, 11, 13	Reaction papers, online discussion
2	c	2, 5, 7, 9, 11, 13	Reaction papers, hazard abatement memo, final presentation
3	a, b, c	1-15	Reaction papers, online discussion, hazard abatement

			memo, final presentation
4	a, b, c	2, 5, 7, 9, 11, 13	Reaction papers, hazard abatement memo, final presentation

Course Requirements and Grading:

- **Introductory Paper:** Each student will provide a short introductory paper on a job you currently have or one you have previously held. Discuss the hazards you encountered and the controls the worksite had in place. Include the following:
  What is the job do you do?
  What are the hazards associated with those job?
  Were you ever injured? Or a near miss?
  What controls are/were in place?
  The assignment should be no more than 1 page single spaced (about 400 words).
- **Reaction papers**: Each student must prepare a *reaction paper* for each site visited. The reaction paper will be a **maximum of 350 words**. The paper will capture your reaction to the safety and health practices at the site, based on the hazards, worker exposures, and control methods in place at the site. These will be discussed on the video conferences. Class participation and discussion is an important part of the class. **Late papers will not be accepted and you will receive 0 points.**
- **Hazard abatement memos**: Each student must complete two *hazard abatement memos* from the sites visited during this course. Following the completion of the site visit you are required to write a *two-page memo*, from the perspective of a worker, outlining one particular hazard present, its potential health effects, and recommended control(s) to mitigate exposure. Students are responsible for writing site summaries for two of the six sites visited during the semester.
- **Online discussion board**: Each week questions will be posted to Canvas. You are required to respond to the questions I post, and respond to at least one of your classmates post.
- **Class participation**: Discussion and interaction between students is an important part of this class. Engaging in discussion is critical to understanding the interdisciplinary aspects of occupational safety and health. Being prepared for the site visits, and asking questions of our site visit hosts is also an important way to gain knowledge. Your participation will be graded based on attendance, participation in discussions, and questions/comments provided at each site visit.
- **Final group presentation**: Each student will be assigned into a group. Your group will be responsible for creating an interdisciplinary in-class presentation. The presentation shall be between 35 and 40 minutes in length (timing will be part of the

grading). Be sure to address industrial hygiene, safety, ergonomics, and medical aspects in your presentation. The presentation shall include**:**

- o Introduction to/description of the site
  - ▪ Basic information about the facility (for example)
    - ▪ Location
    - ▪ Number of employees
    - ▪ Annual sales, etc.
    - ▪ Violations found by OSHA or other official inspectors
  - ▪ Process map
- o Hazards/how are hazards identified?
- o Controls/What controls are in place? Were they adequate?
- o Health effects of industry and specific site visited
- o Recommendations for improvements in worker health and safety in the plant or facility.

Grading

1. Job hazards faced 5 pts.
2. Safety and Health in Healthcare Settings 5 pts.
3. Reaction papers (6) [5 pts each] 30 pts.
4. Hazard abatement memo (2) [7.5 pts each] 15 pts.
5. Online discussion board 14 pts.
6. Class participation 10 pts.
7. Final group presentation 20 pts.
8. Honor code 1 pt.

Total: 100 pts.

- Attendance at video conference sessions and site visits is mandatory.
- Please notify instructor via email if you cannot attend the site visit. It is expected that all students will provide input into the class discussions. It is expected that all readings are read prior to class, and you are ready to discuss them.
- No credit will be given for work handed in after deadline.
- No make-ups, rewrites, or extra credit will be allowed in the course.
- Students agree that by taking this course all required papers may be subject to submission for textual similarity review to Turnitin.com (directly or via learning management system, i.e. Sakai, Blackboard, Canvas, Moodle) for the detection of plagiarism. All submitted papers will be included as source documents in the Turnitin.com reference database solely for the purpose of detecting plagiarism of such papers. Use of the Turnitin.com service is subject to the Usage Policy posted on the Turnitin.com site. Students who do not agree should contact the course instructor immediately.

Grading Policy:	*94 – 100*	*A*
	90 – <94	*A-*
	87 – <90	*B+*
	84 – <87	*B*
	80 – <84	*B-*
	77 – <80	*C+*
	70 – <77	*C*
	<70	*F*

Learning Management System: Canvas will be used extensively throughout the semester for course syllabus, assignments, announcements, communication and/or other course-related activities. It is the student's responsibility to familiarize themselves with Canvas and check it regularly. If you have difficulties accessing Canvas, please inform the instructor and Canvas Support (help@oit.rutgers.edu). Canvas is accessible at canvas.rutgers.eduLinks to an external site..

School of Public Health Honor Code: The School of Public Health Honor Code is found in the School Catalog (sph.rutgers.edu/academics/catalog.htmlLinks to an external site.). Each student bears a fundamental responsibility for maintaining academic integrity and intellectual honesty in his or her graduate work. For example, all students are expected to observe the generally accepted principles of scholarly work, to submit their own rather than another's work, to refrain from falsifying data, and to refrain from receiving and/or giving aid on examinations or other assigned work requiring independent effort. In submitting written material, the writer takes full responsibility for the work as a whole and implies that, except as properly noted by use of quotation marks, footnotes, etc., both the ideas and the works used are their own. In addition to maintaining personal academic integrity, each student is expected to contribute to the academic integrity of the School community by not facilitating inappropriate use of their own work by others and by reporting acts of academic dishonesty by others to an appropriate school authority. It should be clearly understood that plagiarism, cheating, or other forms of academic dishonesty will not be tolerated and can lead to sanctions up to and including separation from the Rutgers School of Public Health.

Use of Generative AI: Each instructor at the School of Public Health determines how generative AI (e.g., ChatGPT) may or may not be used in their course. Please check with your instructor regarding the specific policy for their course. However, the use of generative AI in academic coursework is integrally related to academic integrity and is governed by the School's Honor Code. It is a violation of the Honor Code policy for students to represent work they did not do as their own, and work generated by an AI system, such as ChatGPT, falls under that policy.

Students with Disabilities: Rutgers University welcomes students with disabilities into all of the University's educational programs. In order to receive consideration for reasonable accommodations, a student must apply for Services by first completing a Registration Form with the Rutgers Office of Disability Services (ODS) at ods.rutgers.eduLinks to an external site.. The student will also be required to participate in an ODS intake interview and provide documentation. If reasonable accommodations are granted, ODS will provide you with a Letter of Accommodations which should be shared with your instructors as early in your courses as possible.

Commitment to Safe Learning Environment: The Rutgers School of Public Health is committed to helping create a safe learning environment for all students and for the School as a whole. Free expression in an academic community is essential to the mission of providing the highest caliber of education possible. The School encourages civil discourse, reasoned thought, sustained discussion, and constructive engagement. Provocative ideas respectfully presented are an expected result. An enlightened academic community, however, connects freedom with responsibility. The School encourages all students to disclose any situations where you may feel unsafe, discriminated against, or harassed. Harassment or discrimination of any kind will be not tolerated and violations may lead to disciplinary actions.

Student Well-Being: The School of Public Health recognizes that students may experience stressors or challenges that can impact both their academic experience and their personal well-being. If the source of your stressors or challenges is academic, students are encouraged to discuss these challenges and circumstances with their instructor, if they feel they may need additional support or temporary accommodations at the beginning or during this course. The course instructor may consider making reasonable temporary adjustments depending on the student's situation. For personal concerns or if additional support is needed, students may reach out to the Office for Student Experiences and Alumni Affairs or any of the appropriate referral resources listed on the SPH Student Connect Canvas page.

Reporting Discrimination or Harassment: If you experience any form of gender or sex-based discrimination or harassment, including sexual assault, sexual harassment, relationship violence, or stalking, know that help and support are available. You may report such incidents to the RBHS Title IX OfficeLinks to an external site. or to the School of Public Health's Office for Student Experiences and Alumni AffairsLinks to an external site.. Rutgers University has staff members trained to support survivors in navigating campus life, accessing health and counseling services, providing academic and housing accommodations, and more. If you experience any other form of discrimination or harassment, including racial, ethnic, religious, political, or academic, please report any such incidents to the School's Office for Student Experiences and Alumni AffairsLinks to an external site.. The School strongly encourages all students to report any incidents of discrimination or harassment to the School. Please be aware that all Rutgers employees (other than those designated as confidential resources such as advocates, counselors, clergy and healthcare providers as listed in Appendices A and B to Policy 60.1.33Links to an external site.) are required to report information about such discrimination and harassment to the School and potentially the University. For example, if you tell a faculty or staff member about a situation of sexual harassment or

sexual violence, or other related misconduct, the faculty or staff member must share that information with the RBHS Title IX CoordinatorLinks to an external site.. If you wish to speak to a confidential employee who does not have this reporting responsibility, you can find a list of resources in Appendices A and B to University Policy 60.1.33Links to an external site.. For more information about your options at Rutgers, please visit Rutgers Violence Prevention and Victim AssistanceLinks to an external site..

Overview of School Policies: Academic and non-academic policies and procedures, such as Auditing a Course, Retaking Courses, Grade Grievance and others that cover registration, courses and grading, academic standing and progress, student rights and responsibilities, graduation and more may be found under PoliciesLinks to an external site. on the School of Public Health website. Below are select specific policies; however, students are responsible for keeping informed about academic and non-academic policies and procedures beyond those noted on this syllabus.

Graduate Student Computer Policy: Students are required to possess a personal laptop, no older than approximately two years, that must meet minimum requirements which may be found online (Computing Requirements)Links to an external site..

Policy Concerning Use of Recording Devices and Other Electronic Communications Systems: When personally owned communication/recording devices are used by students to record lectures and/or classroom lessons, such use must be authorized by the faculty member or instructor who must give either oral or written permission prior to the start of the semester and identify restrictions, if any, on the use of mobile communications or recording devices.

Policy Concerning Use of Turnitin: Students agree that by taking this course all required papers may be subject to submission for textual similarity review to Turnitin.com (directly or via learning management system, i.e. Canvas) for the detection of plagiarism. All submitted papers will be included as source documents in the Turnitin.com reference database solely for the purpose of detecting plagiarism of such papers. Use of the Turnitin.com service is subject to the Usage Policy posted on the Turnitin.com site. Students who do not agree should contact the course instructor immediately.

Withdrawal/Refund Schedule: Students who stop attending their course(s) without submitting a completed Add/Drop CourseLinks to an external site. form will receive a failing grade. Furthermore, students dropping to zero credits for the semester are considered withdrawn and must submit a completed Leave of AbsenceLinks to an external site. form from the School of Public Health's Office for Student Experiences and Alumni Affairs. The School of Public Health refunds tuition only. Administrative and technology fees are non-refundable. You may find the Withdrawal/Refund Schedule on the School of Public Health website at:sph.rutgers.edu/academics/academic-calendar.htmlLinks to an external site..