

# **NEW JERSEY INSTITUTE OF TECHNOLOGY**

## **Department of Mechanical and Industrial Engineering**

M.S. Occupational Safety and Health Engineering

### **Fall 2025 - EM 633 – Legal Aspects of Health & Safety**

Instructor: Prakash Kothari, MS, CIH, CSP

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Textbook: OSHA Inspections – Preparation and Response, Rick Kaletsky, National Safety Council

Reference Book: Bailey, M. A., Conn, E. J., Davis, F. D., Doran, W. K., Duggin, K. A., Flood, J. B., . . . Siepman, K. B. (2008). *Occupational safety and health law handbook* (2nd ed.). Landham, MD: Government Institutes.

**Classroom: CKB114**

**Schedule: Fridays (6 – 8:50 pm)**

**Course Description:**

A comprehensive study of the Occupational Safety and Health (OSH) Act and the authority of the Occupational Safety and Health Administration (OSHA). Review of employer's legal responsibilities and proactive measures to ensure compliance with OSHA's General Duty Clause.

**Learning Objectives:**

- Practice work-related functions that are within the legal framework for assuring safe and healthful workplaces in the U.S.
- Process of the rulemaking, enforcement, and adjudication in the occupational health and safety regulatory system.
- Illustrate the relationship of the Occupational Safety and Health Act with other Laws; Workers Compensation, Common Law Remedy, EPA, etc.
- Discuss the duty to comply, the general duty clause, and employee and employer rights associated with each.
- OSHA regulations impacting various industries
- Describe the need for self-audits and inspections and discuss the ramifications of each.
- Identify how an employer can contest a citation and a penalty associated with an OSHA finding. Discuss the enforcement of criminal violations and the judicial review process of said violations. Appraise and explain the need for imminent danger inspections.

## **Course Outline:**

Sept 05	Introduction to course - Overview, OSHA Inspections, Training Obligations
Sept 12	Right to Know – Hazard Communication
Sept 19	Workman's Compensation, Accident Investigation,
Sept. 26	Fire Prevention/Inspection – NFPA
Oct 3	OSHA Recordkeeping standard - 29CFR1904
Oct 10	OSHA regulation on Power Generation, Transmission and Distribution 29CFR1910.269
Oct 17 –	MID TERM EXAM
Oct 24	Asbestos Compliance
Nov 1	Project Presentations, Radiation Compliance
Nov 07	Project Presentations, OSHA Lockout Tagout
Nov 14	Project Presentations, OSHA Bloodborne Pathogens– Term Papers Due
Nov 21	Project Presentations, OSHA - Noise, Hearing Conservation
Dec 05	OSHA - Hand and Power Tools
Dec 12	Reading Day
Dec 19 –	Final Exam

**Grading Percentages: Presentation – 20 %, Term Paper: 10%, Mid Term – 20 %, Final Exam – 40%**

**Attendance - 10%**

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*<http://www5.njit.edu/policies/sites/policies/files/academic-integrity-code.pdf>.*

*Please note that it is my professional obligation and responsibility to report any academic misconduct to the Dean of Students Office. Any student found in violation of the code by cheating, plagiarizing or using any online software inappropriately will result in disciplinary action. This may include a failing grade of F, and/or suspension or dismissal from the university. If you have any questions about the code of Academic Integrity, please contact the Dean of Students Office at [dos@njit.edu](mailto:dos@njit.edu)”*