

**BC-015 (Hazmat). Friday Class****Basic Course Information**

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|-------------------|---|---------------------|--|
| Semester: | Fall Semester 2023 | Instructor Name: | Hector M. Figueroa, MM |
| Course Title & #: | BC-015 (Hazmat) GISO CAL/OSHA-10 HR Card | Email: | Hector.figueroa@imperial.edu |
| CRN #: | 11072 | Webpage (optional): | https://www.imperial.edu/ |
| Classroom: | Bldg #2700 Rm# 2727 | Office #: | PT Time Faculty Office #3800 |
| Class Dates: | Sept. 15 – Oct. 20, 2023 | Office Hours: | 7-8am |
| Class Days: | Friday | Office Phone #: | (760) 427-6898 |
| Class Times: | 8:00am-10:50am | Emergency Contact: | Tisha Nelson Tel. 760-355-6361 |
| Units: | 1 Unit | Class Format: | In-Person |

CourseDescription

This course will provide the student with essential instruction and learning allowing them to develop and master knowledge and skills associated with safety and health recognition and prevention, with a strong emphasis in hazardous materials management at industrial worksites. This course provides student the opportunity to earn the General Industry Cal/OSHA 10 Hour card, aside from IVC college credit.

Topics include:

- Introduction to OSHA, Walking and Working Surfaces, Fall Prevention, Exit Routes, Emergency Action Plan and Fire Prevention, Electrical General Requirements, Personal Protective Equipment, Hazard Communication, Hazardous Materials, Hazwoper, Emergency Action Plan, Accident Prevention Signs and Tags, DOT Placarding, Material Handling and Storage, Introduction to Industrial Hygiene, Respiratory Protection Program, and Hearing Conservation Program.

Cal/OSHA card processing fee will apply. (Non- transferrable, certificate program, AA/AS degree only).

Course Prerequisite(s) and/orCorequisite(s)

None. This class is an introductory course to safety, safety process and standards. No previous knowledge in safety is required to take this class, everyone is welcome.

Anyone wanting to learn about Safety in general is welcome to take this course, regardless of your major.

Student LearningOutcomes

This course is intended to provide students general knowledge in the Cal/OSHA General Industry Safety Standards, with an emphasis in hazardous materials management. Students will learn;

1. General industry worker rights, employer responsibilities, how to file a complaint as well as how to identify, abate, avoid and prevent job-related hazards on a job site.
2. General industry safety and health hazards which workers may encounter at a work site.
3. OSHA and Cal/OSHA standards; hazard analysis and identification, avoidance, control and prevention; acceptable safety practices; proper selection and use of personal protective equipment; and hazardous material management.

CourseObjectives

Upon satisfactory completion of the course, students will be able to;

1. Demonstrate an understanding of the Occupational Safety and Health (Cal/OSHA) standards as they apply to General Industry (and Electrical Safety Orders).



2. Reference the OSHA standards and determine the requirements for compliance within a prescribed situation
3. Analyze job site hazards and identify acceptable mitigation measures
4. Complete an acceptable incident report and reference OSHA subpart and section
5. Demonstrate and understanding of OSHA Inspections, citations and penalties
6. List Personal Protective Equipment (PPE) and list limitations of PPE item, when handling hazmat
7. List and discuss the application of the Job Hazard Analysis model, prevention of injury and illness

Textbooks & Other Resources or Links

- Cal/OSHA General Industry & Electrical Safety Orders June 2023 Edition SBN: 978-1-952160-92-9
- Cal/OSHA Construction & Electrical Safety Orders June 2023 Edition ISBN: 978-1-952160-95-
- Industry-related Websites OSHA, Cal/OSHA, ANSI, ESTM, NIOSH, ACGIH, EPA, Dig Alert (811), others...
 - <https://www.dir.ca.gov/dosh/>
 - <https://www.osha.gov/>
 - <https://www.epa.gov/>

Course Requirements and Instructional Methods

Required Information—discretionary language, the classroom setting is set for;

- Course material on CanvasHUB
- Industry Related websites (OSHA, Cal/OSHA, EPA, NIOSH, ACGIH, Dig-Alert, ASTM, ANSI, etc.).
- Audio/Visual
- Demonstration and hands-on
- Discussion
- Group Activity
- Individual Assistance
- Lecture
- Simulation/Case Study/Workshop

Out of Class Assignments: The Department of Education policy states that one (1) credit hour is the amount of student work that reasonably approximates not less than one hour of class time and two (2) hours of out-of-class time per week over the span of a semester. WASC has adopted a similar requirement.

You will use Canvas in this class. Canvas will be our SharePoint site/central HUB for this class. I will place all class material in Canvas, HW is submitted through Canvas and Quizzes and Exams will be done on Canvas.

Course Grading Based on Course Objectives

- | | |
|--|-------------|
| • Homework assignment every day on Canvas, due the following week one hour before class (29% of total grade). | 29% |
| • Quiz every other week on Canvas (25% of total grade). | 25% |
| • Mid-term on Week 8 or 9 of semester, on Canvas (20% of total grade). | 20% |
| • Final Exam on the last day of class, on Canvas (20% of total grade). | 20% |
| • Punctuality, Attendance and In-class Participation are also part of your final grade (6% of total grade). | +6% |
| • Three (3) unexcused absences will get you dropped from class. | 100% |

Students must meet OSHA requirements to earn the Cal OSHA card **(You must earn a C or better in class and you must attend all mandatory and mandatory elective topic to earn the 10-hour Cal OSHA General Industry card).**

- You must do good in all five areas listed above to pass this class (1. Homework assignments, 2. Quizzes, 3. Participation (in-class participation, punctuality, and attendance), 4. Mid-Term Exam, 5. Final Exam).

Course Policies

Classroom Etiquette and Discretionary language

- **Electronic Devices:** Cell phones and electronic devices must be turned off and put away during class unless otherwise directed by the instructor. **No Cell phones use in class! No Computer/tablet use in Class! No earpieces (ex. Air Pods use in class).**
- **Food and Drink are prohibited in all classrooms:** Water bottles with lids/caps are the only exception. Additional restrictions will apply in labs. Please comply as directed.
- **Disruptive Students:** Students who disrupt or interfere with a class may be sent out of the room and told to meet with the Campus Disciplinary Officer before returning to continue with coursework. Disciplinary procedures will be followed as outlined in the General Catalog.
- **Children in the classroom:** Due to college rules and state laws, no one who is not enrolled in the class may attend, including children.

Academic Honesty.

- **Plagiarism** is to take and present as one's own the writings or ideas of others, without citing the source. You should understand the concept of plagiarism and keep it in mind when taking exams and preparing written materials. If you do not understand how to correctly 'cite a source', you must ask for help.
- **Cheating** is defined as fraud, deceit, or dishonesty in an academic assignment or using or attempting to use materials, or assisting others in using materials, or assisting others in using materials, which are prohibited or inappropriate in the context of the academic assignment in question.

Anyone caught cheating or will receive a zero (0) on the exam or assignment, and the instructor may report the incident to the Campus Disciplinary Officer, who may place related documentation in a file. Repeated acts of cheating may result in an F in the course and/or disciplinary action. Please refer to the General School Catalog for more information on academic dishonesty or other misconduct. Acts of cheating include, but are not limited to the following: (a) plagiarism;

(b) copying or attempting to copy from others during an examination or on an assignment ;(c) communicating test information with another person during an examination; (d) allowing others to do an assignment or portion of an assignment, use of a commercial term paper service.

Attendance

- A student who fails to attend the first meeting of a class or does not complete the first mandatory activity of an online class will be dropped by the instructor as of the first official meeting of that class. Should re-admission be desired, the student's status will be the same as that of any other student who desires to add a class. It is the student's responsibility to drop or officially withdraw from the class. See General Catalog for details.
- Regular attendance in all classes is expected of all students. A student whose continuous, unexcused absences exceed the number of hours the class is scheduled to meet per week may be dropped **(3 unexcused absences will get you dropped from this class).**
- Absences attributed to the representation of the college at officially approved events (conferences, contests, and field trips) will be counted as 'excused' absences.



Other Course Information

- **CANVAS LMS:** Canvas is Imperial Valley College's main Learning Management System. To log onto Canvas, use the link: Canvas Student Login. The Canvas Student Guides Site provides a variety of support available to students 24 hours per day. **Additionally, a 24/7 Canvas Support Hotline is available for students to use: (877) 893-9853.**
- You may consult your college map for the **Reading and Writing Lab, Study Skills Center and/or Library**
- **Library Services:** As you know there is more to our library than just books. You have access to tutors in the learning center, study rooms for small groups, and online access to a wealth of resources.

IVC StudentResources

Disabled Student Programs and Services (DSPS)

Any student with a documented disability who may need educational accommodations should notify the instructor or the Disabled Student Programs and Services (DSP&S) office as soon as possible. If you feel you need to be evaluated for educational accommodations, the DSP&S office is located in Building 2100, telephone 760-355-6313.

Physical Conditions: Notify the instructor if you have any physical conditions which could possibly affect your safety or health in the performance of the course class/laboratory assignments. Adjustments to your assignments, if necessary, will be made.

Student Counseling and Health Services

Students have counseling and health services available, provided by the pre-paid Student Health Fee. We now also have a fulltime mental health counselor. For information see <http://www.imperial.edu/students/student-health-center/>. The IVC Student Health Center is located in the Health Science building in Room 2109, telephone 760-355-6310.

Student Rights and Responsibilities

Students have the right to experience a positive learning environment and due process. For further information regarding student rights and responsibilities please refer to the IVC General Catalog available online at

http://www.imperial.edu/index.php?option=com_docman&task=doc_download&gid=4516&Itemid=762

Information Literacy

Imperial Valley College is dedicated to help students skillfully discover, evaluate, and use information from all sources. Students can access tutorials at <http://www.imperial.edu/courses-and-programs/divisions/arts-and-letters/library-department/info-lit-tutorials/>

Anticipated ClassSchedule/Calendar

Course Schedule ****subject to change without prior notice****

| Date or Week | Activity, Assignment, and/or Topic | Assignment |
|----------------------|---|--------------------------------|
| Week 1 9/15/2023 | Introductions, Syllabus, Canvas, Intro to OSHA, DVD | Buy your Books HW #1 |
| Week 2 9/22/2023 | Walking and Working Surfaces, including fall protection (Section 3209-3273), Exit Routes, Emergency Action Plans, Fire Prevention Plans and Fire Protection (Section 3220-3221), Electrical General Requirements (Sections 2300-2983) | Quiz #1 HW #2 |
| Week 3 9/29/2023 | Electrical General Requirements (Sections 2300-2983), Personal Protective Equipment (Sections 3381-3380), Hazard Communication (Section 5194), HazCom; Hazard Communication (Section 5194), Hazardous Materials; Flammable and Combustible Liquids, Spray Finishing, Compressed Gases, Dipping and Coating Operations. (Section 5530-5629). | Quiz #2 HW #3 |
| Week 4 10/06/2023 | Hazwoper; Hazardous Waste Operations and Emergency Response. (Section 5192), HazCom; Hazard Communication (Section 5194), Hazardous Materials; Flammable and Combustible Liquids, Spray Finishing, Compressed Gases, Dipping and Coating Operations. (Section 5530-5629). | Quiz #3 HW #4 |



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| Date or Week | Activity, Assignment, and/or Topic | Assignment |
|----------------------|--|------------------|
| Week 5 10/13/2023 | Emergency Action Plan (Section 3230), Introduction to Industrial Hygiene, Accident Prevention Signs and Tags (Section 3340-3341) | Quiz #4 HW #5 |
| Week 6 10/20/2023 | DOT Placarding (Section 5194.1), Material Handling and Storage (Section 3314-3362), Respiratory Protection (Section 5144) Review, Q&A, Final Exam | Final Exam |

Grade Scale:

| Point Score (in %) | Letter Grade |
|---|-------------------------|
| 90-100 | A – Excellent |
| 80-89 | B – Better than average |
| 70-79 (C or better to earn card) | C – Average |
| 60-69 | D – Below Average |
| 59 or lower | F – Fail |

Class Rules on next page



Mandatory Class Rules

1. Comply with IVC's Covid-19 guidelines and regulations.
2. Do not attend class if you have Covid-type symptoms.
3. Be on time, class starts at 8am sharp. Class is from 8:00am-10:50am and you must stay the duration of the entire class to earn full credit and earn the OSHA card.
4. If you miss mandatory topics, you will not earn the Cal/OSHA Card. Attendance is Mandatory!
5. Do not be late and do not leave early if you want to earn full credit for the day.
6. Must submit homework assignments by 7am on due date, one hour before class.
7. Quizzes and Exams due by 7am, one hour before class.
8. No make-up sessions for missed classes. If you miss mandatory topics you will not earn the OSHA card, these are OSHA's rules.
9. **Be on time, alert and ready to learn, and participate in class.**
 - a. **Note:** *Your comments in class must add value to the class.*
 - b. **Note:** *If you need to take a nap, please do so at couches in the hallway of this building, not in my class. Come back to class when you are fully awake.*
 - c. **Note:** *No phone use in class. Do not record lectures. No audio or video recording.*
 - d. **Note:** *No earpieces (ex. Air Pods, head sets, similar).*
 - e. **Note:** *No computer/tablet use in class.*
10. **In-class participation is part of your grade; you must participate at least once per class meeting to earn full credit for the in-class participation points (2% of final grade).**
11. **No cell phone use in class!** If you need to take a call please step outside to take your call, come back into class when done.
12. **No computer/tablet use in class.** No surfing the net in class. No navigating your social media platforms in class.
13. Please contact me if you have questions about anything discussed in class (Power Point presentations, Homework assignments, Quizzes, and or Exams).
14. Office hours from 7-8am, one hour before class, in-person or by cell phone. I can be reached via Canvass, text message and or by IVC email anytime. By telephone, please call me between 8am-8pm only please, or anytime if case of an emergency.



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15. The cost of Cal/OSHA Cards is \$10. Please pay your \$10 to IVC via PayPal, or in person at the administration office.
The link to IVC's PayPal account will be provided to those students who pass the class and meet the other requirements only.
16. Let's make it fun.
17. Be respectful towards this class, towards fellow class mates, and towards the professor.
18. **Note:** Class Rules are subject to change.

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