

Construction Safety Management Syllabus

- Instructor: K. Jeff Cochran
Personal Data: 46-153 Haiku Rd
Kaneohe, HI 96744
Phone: 808.347.4605
Email: kenneycochran@hotmail.com
Army Corp of Engineers - Safety Manager 25 years of experience
- Texts: *"Corps of Engineers Safety and Health Requirements Manual Em 385-1-1"*,
Incorporating by references: OSHA 29 CFR 1926 (Construction Stds.) 29 CFR
1910 General Industry; Various handouts recordings health and safety briefings
NAVFAC etc.
- Course Description: This course provides in-depth, hands-on study and learning on safety and health requirements for civilian and contractor personnel governing construction activities.
- Course Objective: To provide you with basic understanding and specific knowledge on health and safety laws pertaining to the construction process. I will provide you with key safety and health concepts vital to understanding contractual requirements, program and project management techniques in the construction process.
- Perspective and Organization:

My approach is to train and teach you to grasp and understand the concepts on safety and health to attain a working knowledge of risk management policies and procedures in order to control safety/health hazards for construction projects to ensure preparation, presentation of plans and activities that adhere to Federal, State and local regulations.
- Grades/Attendance: It is important to attend classes bi-weekly so to stay abreast of teaching and training in Em 385-1-1, Secs. 1-34. Students are not required to memorize material or statutes, however by studying the regulations and applying critical thinking will provide a solid toolkit for aspects encountered while working for contractors and the government. As this safety mindset is developed, it will give you the advantage to process critical information and be able to apply it upon graduation. There will be 5 quizzes covering safety subjects e.g. Program Project Management, Personal Protective Equipment, Fire Protection and Prevention, Electrical Safety, Fall Protection and Excavation Safety. This will be 5% of your grade. 3 projects, developing activity hazard analyses, accident prevention plan and site safety visit. All will be 5 % for each project. One mid- term and final exam is 30% for each one.

MEETINGS	TOPIC	ASSIGNMENT/HANDOUTS/ COURSE MATERIAL
1	Introduction/Overview Course	
2	Program Project & Risk Management	Study Section 1 in COE safety manual (CSM) Prepare Activity Hazard Analyses (2 wks.)
3	Review Appendix A	Study Appendix A CSM Prepare Accident Prevention Plan (4 wks.)
4	Sanitation/Medical 1 st Aid	Study Sections 2 and 3 in CSM Housekeeping Quiz Sec. 1
5	Temporary Facilities/Access Haul Rds.	Study Section 4 in CSM NAVFAC You Tube Briefing
6	Personal Protective Equipment	Study Section 5 in CSM Show and Tell Head Ear & Eye Protection
7	Hazard Toxic Agents/Environment	Study Sections 6 and 7 in CSM Lighting & Turn in AHA Quiz Sec. 5
8	Accident Prevention Signs/Fire Prevention	Study Sections 8 and 9 in CSM Fire Extinguisher Training NAVFAC
9	Fire Prevention Continued	Study Section 9 in CSM Turn in Accident Prevention Plan
10	Welding & Electrical Safety	Study Sections 10 and 11 in CSM GFCI/Arc Flash Grounding
11	Control of Hazardous Energy	Study Sections 12 and 13 in CSM Hand Power Tools Quiz Sec 9
12	Material Handling/Storage & Rigging	Study Sections 14 and 15 in CSM Abrasive Blasting Quiz Sec 11
13	Load Handling Equipment Critical Lifts	Study Section 16 in CSM NAVFAC Brief Crane Safety
14	Mid Term Exam for Secs. 1-15	
15	Conveyors/Vehicles Motorized Equipment	Study Sections 17 and 18 in CSM Review Handouts and Checklist
16	Floating Plant & Marine Activities	Study Section 19 in CSM Dredging NAVFAC Briefing
17	Pressurized Equipment & Systems	Study Section 20 in CSM NAVFAC Briefing
18	Fall Protection Plan and Program	Study Section 21 in CSM Live Training

19	Work Platforms & Scaffolding	Study Section 22 in CSM NAVFAC Brief & Checklists
20	Demolition & Safe Access	Study Sections 23 and 24 Quiz Sec 21
21	Excavation Safety and Underground Construction	Study Sections 25 and 26 in CSM Trenching Videos
22	Concrete Roofing & Steel Erection	Study Sections 27 and 28 in CSM Nava & You Tube Briefs
23	Blasting & Diving Ops	Study Sections 29 and 30 in CSM SCUBA Ops & Underwater Brief
24	Tree Maintenance & Airfield Ops	Study Sections 31 and 32 in CSM NAVFAC & You Tube Briefs
25	Hazwaste Ops Med Surveillance	Study Section 33 in CSM NAVFAC & You Tube Briefs
26	Confined Space	Study Section 34 in CSM OSHA Videos
27	Reviews for Final Exam Secs 16-34	
28	Final Exam (Closed Book)	