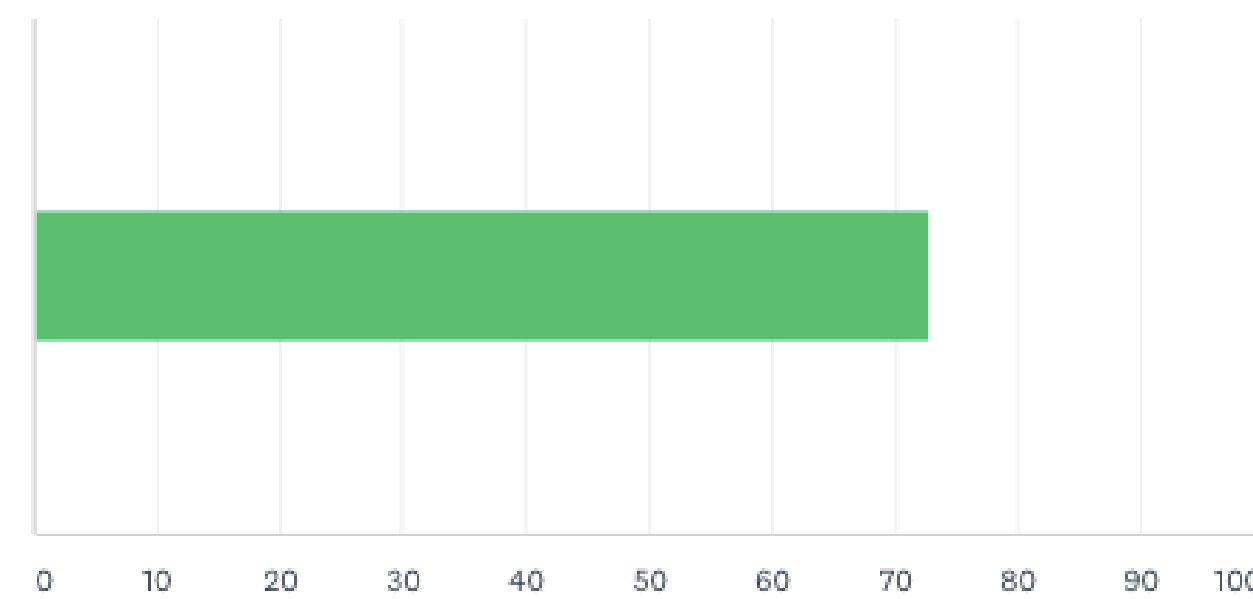


Class Schedule

Week No.	Date	Subject & Activity	Online Course Schedule	Textbook Reference To Online Course	Assignments
Week (1)	Sep 24 M	Introduction, Syllabus	Intro to OSHA	1	
	Sep 26 W	Worker Rights/ Employer Responsibilities Lecture	OSHA Inspection Procedures	1	
Week (2)	Oct 1 M	Safety Planning Lecture	Safety & Health Programs	113	Homework 1 Due
	Oct 3 W	JHA/ Site Safety Plan Development Lab	Record Keeping		
Week (3)	Oct 8 M	Temporary Structures Lecture	Hazard Communication	10	JHA/ Site Safety Plan Due
	Oct 10 W	Scaffolding Setup Lab	Exit Routes, EAP, Fire Protection.	239	Homework 2 Due
Week (4)	Oct 15 M	Fire Prevention Lecture	Fire Detection & Protection	239	
	Oct 17 W	Electrical Safety Lecture	Electrical	39	Homework 3 Due
Week (5)	Oct 22 M	Work Day	Electrical II	39	
	Oct 24 W	Exam	Case Studies & Workshop		Submit Proof of Progress
Week (6)	Oct 29 M	MSDS/ Material Storage Lecture	Flammable & Combustible Liquids		
	Oct 31 W	Spill Kit/ Haz Material Cleanup Lecture	Lockout/ Tagout	161	Homework 4 Due
Week (7)	Nov 5 M	Heavy Equipment Inspections Lab	Machine Guarding	263	
	Nov 7 W	Working in the Marine Environment Lecture	Walking/ Working Surfaces	253	Homework 5 Due
Week (8)	Nov 12 M	Rigging/ Picking Safety Lecture	Material Handling	279	
	Nov 14 W	Rigging Lab	Welding, Cutting, & Brazing	173	Homework 6 Due
	Nov 19 M	Academic Holiday - Thanksgiving	Ergonomics	65	
	Nov 21 W	Academic Holiday - Thanksgiving	Permit-Required Confined Spaces	3	
Week (9)	Nov 26 M	Guest Speaker	PPE	199	
	Nov 28 W	PPE/ Life Saving Equipment Lab	Ind. Hygiene & Pathogens	93	Homework 8 Due
Week (10)	Dec 3 M	Group Presentations	Portable Power Tools/ Hand Equip.	263	
	Dec 5 W	Group Presentations			
Week (11)	Dec 10- 14	Final Exam Week (No Class Meeting)			Submit OSHA-30 Certificate to Polylearn

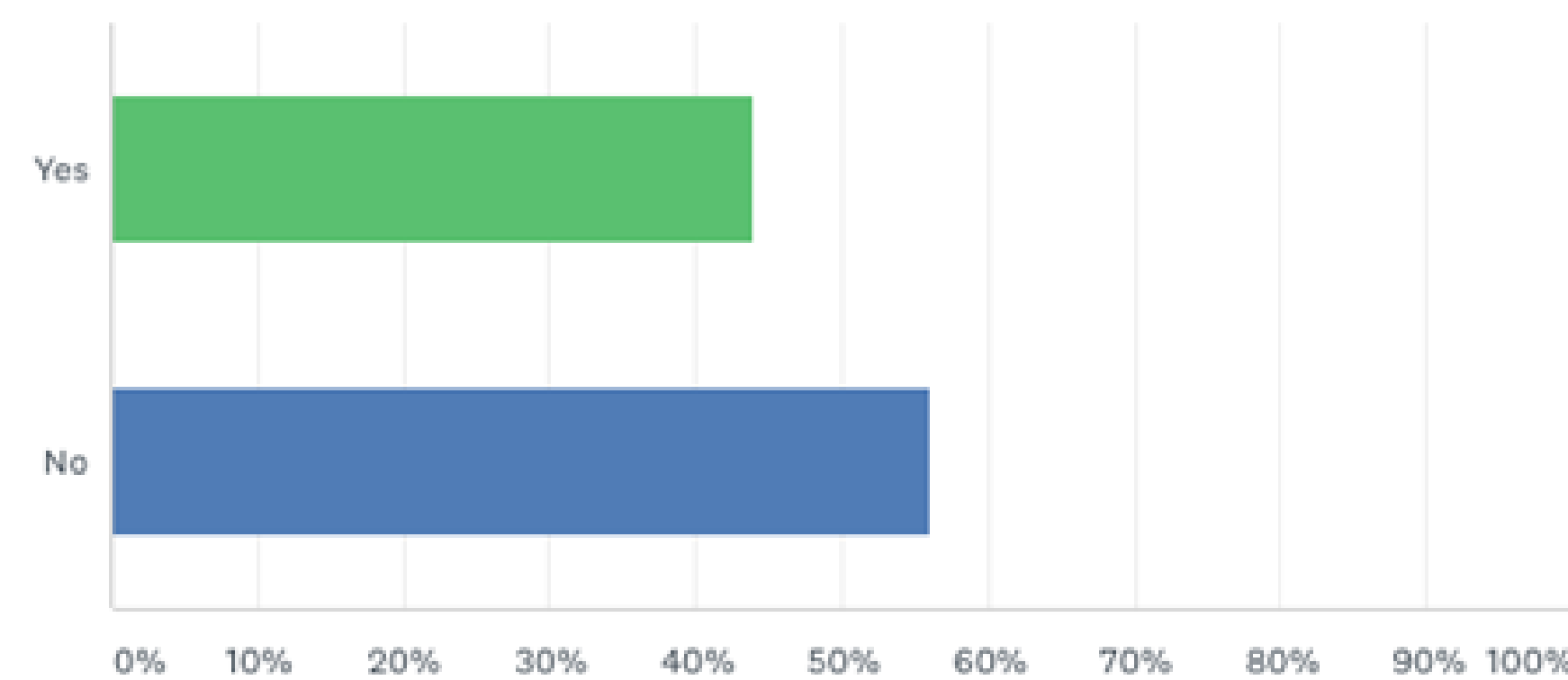
(GS) = Guest Speaker
(EOC) = Due by End of Class
* Material content and dates are subject to change by the instructor.

Your company would be more inclined to hire OSHA- 30 certified college graduate. (0= strongly agree and 100= strongly agree)



ANSWER CHOICES	AVERAGE NUMBER	TOTAL NUMBER	RESPONSES
Responses	73	1,457	20
Total Respondents: 20			

Do you feel that the Cal Poly Construction Management department sufficiently covers safety topics in their curriculum?



ANSWER CHOICES	RESPONSES
Yes	44.00% 11
No	56.00% 14

OSHA-30 Interactive Laboratory Course

Matt Bramlett & Patrick Garcia
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California Polytechnic State University
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Abstract

The end goal of this research-based project is to evaluate whether an OSHA 30 integrated lab course would be beneficial to Cal Poly's Construction Management (CM) program and how it might also benefit the construction industry. The research conducted will be to interpret whether or not there is a need for this type of class to be included into the Construction Management Curriculum. Along with data research, two separate surveys were conducted, one survey taken by the Cal Poly Construction Management student population who are in their second year or higher, and the other survey to industry professionals. Additionally, a fellow Construction Management student, Mathew Bramlett, a is working on the deliverables such as a course syllabus, lab topics, and assessments of the proposed lab class. After analyzing the data, discussing the need of a course that solely focuses on safety, and referring to my own past experiences, I have concluded implementing an OSHA 30 based lab topics course that emphasizes safety and hazard identification will be worthwhile for future Cal Poly Construction Management students and the construction industry. The purpose of this course will be to have students get their OSHA 30 certificate while taking the proposed class and conduct labs based on topics covered in the OSHA 30 program so that students know more about safety before they start their professional careers so they can hopefully identify and stop accidents from happening before they happen and keep workers and the public safe.

Keywords: OSHA, Safety, Hazard, Identification, Injury, Death

Survey Free Responses

The industry professionals were asked what topics they would like to see their employees know more about.

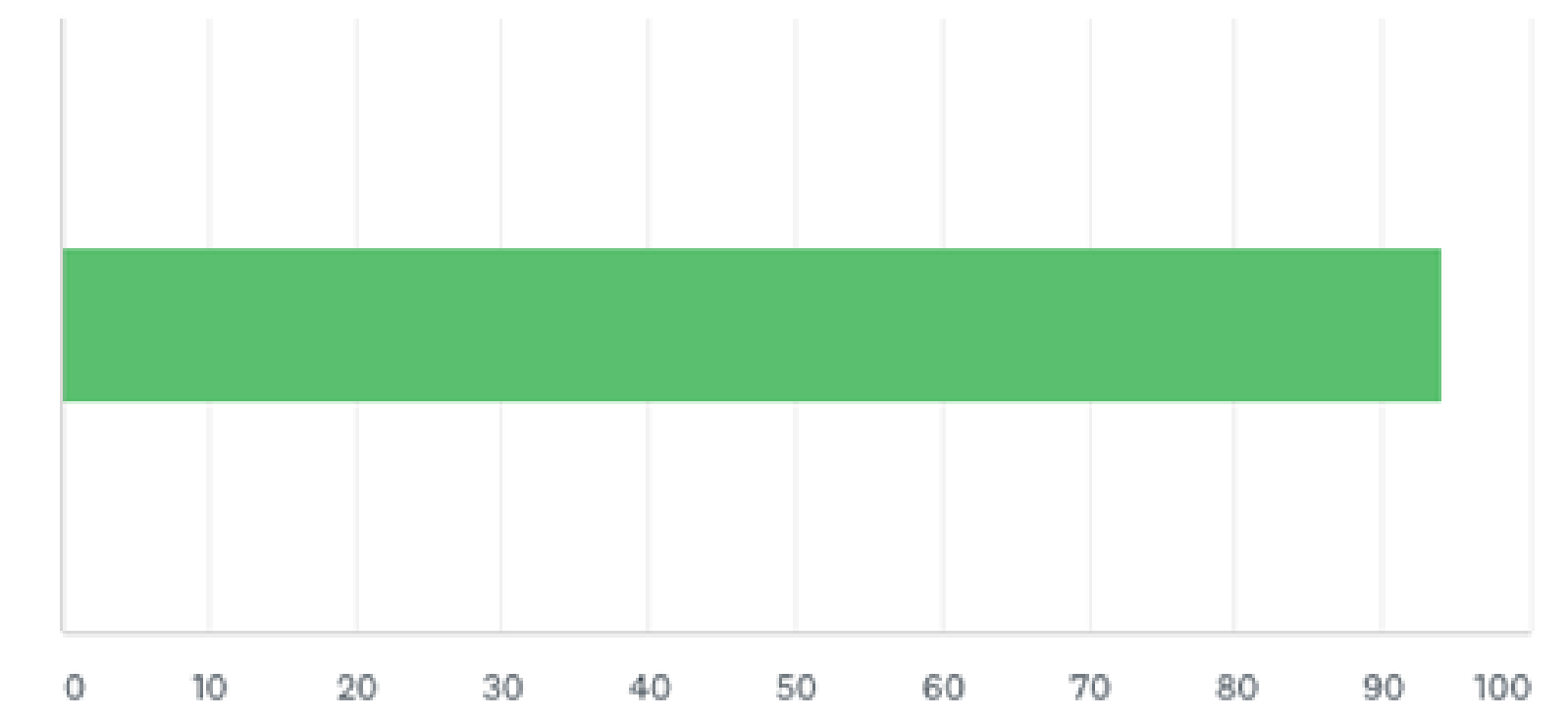
- 1.PPE/SDS
- 2.Trench safety/confined space
- 3.Hazardous materials
- 4.General jobsite knowledge
- 5.Safety/hazard identification
- 6.Scaffold safety
- 7.Miscellaneous OSHA rules and regulations
- 8.Trip hazards
- 9.Fall prevention
- 10.Trip hazards

Students were asked what safety topics they would be interested in learning more about.

- 1.Accident prevention and investigation
- 2.Hazardous materials
- 3.Best practices in the most common temporary structures on site
- 4.Preventing fall and caught in between hazards
- 5.Noise and dust control
- 6.Electrical safety
- 7.General jobsite safety
- 8.Trenching and shoring
- 9.On site safety such as different PPE for different types of jobs
- 10.Fall prevention

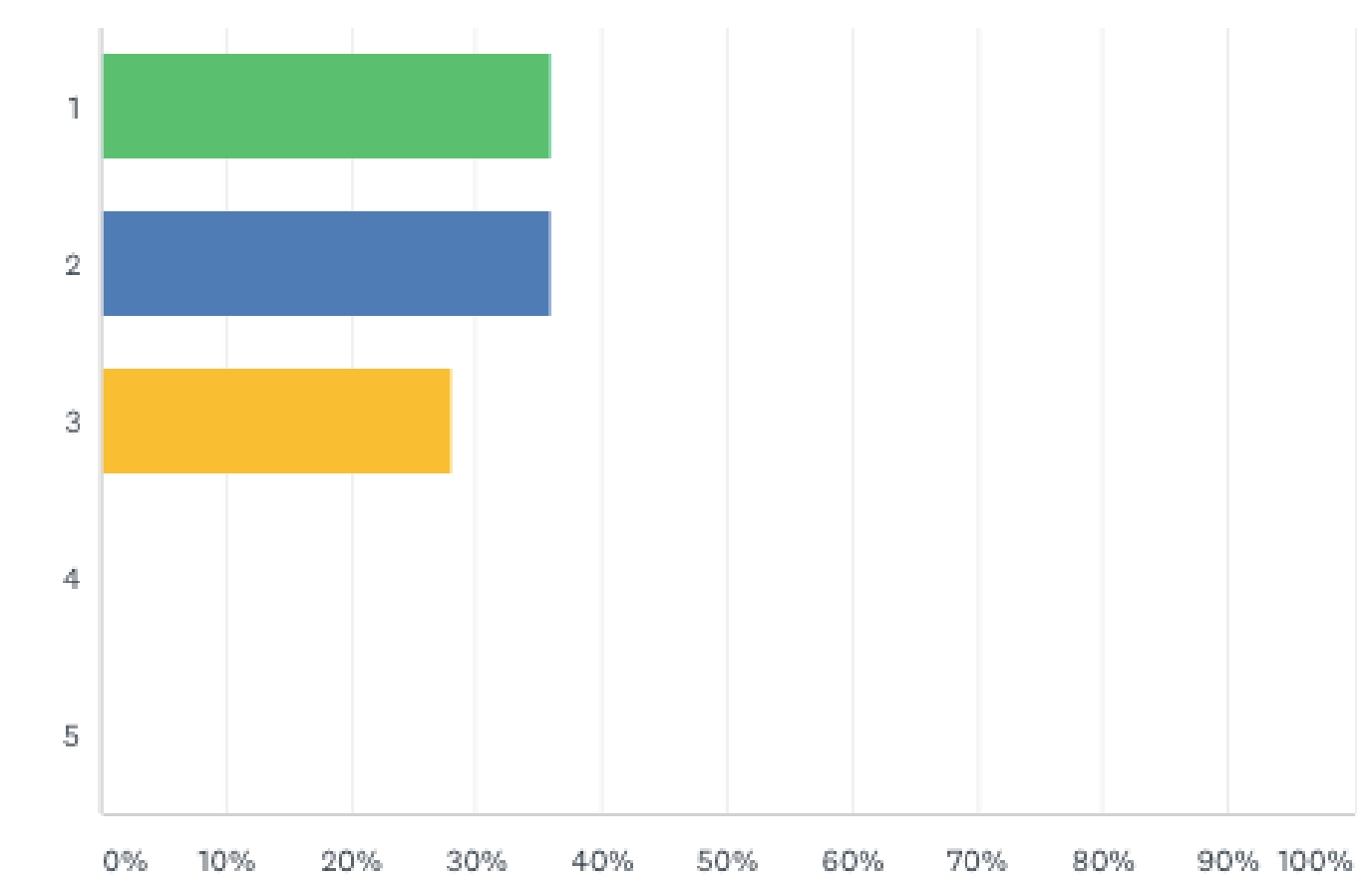


Construction Management Student's knowledge of job site safety hazards would significantly increase if they took this proposed course (0 being strongly agree and 100 being strongly agree)



ANSWER CHOICES	AVERAGE NUMBER	TOTAL NUMBER	RESPONSES
Responses	94	1,884	20

I would be interested in taking a laboratory course in conjunction with an OSHA- 30 online course. 1= strongly agree, 2= agree, 3= neutral, 4= disagree, 5= strongly disagree



ANSWER CHOICES	RESPONSES
1	36.00% 9
2	36.00% 9
3	28.00% 7
4	0.00% 0
5	0.00% 0
TOTAL	25