



ESTABLISHMENT OF OCCUPATIONAL SAFETY AND HEALTH AS A MINOR AT CALIFORNIA POLYTECHNIC STATE UNIVERSITY, SAN LUIS OBISPO



INTERVIEW



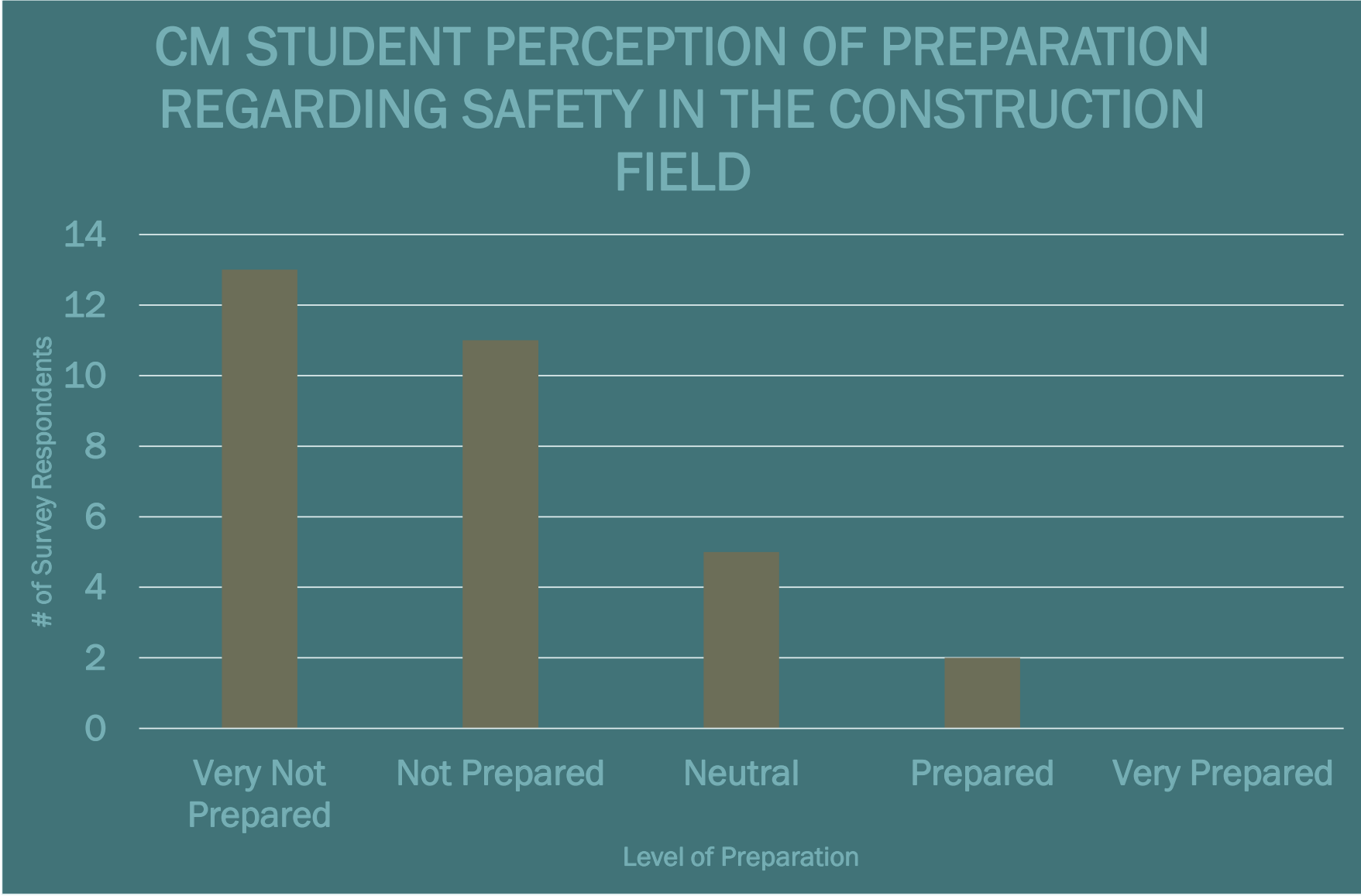
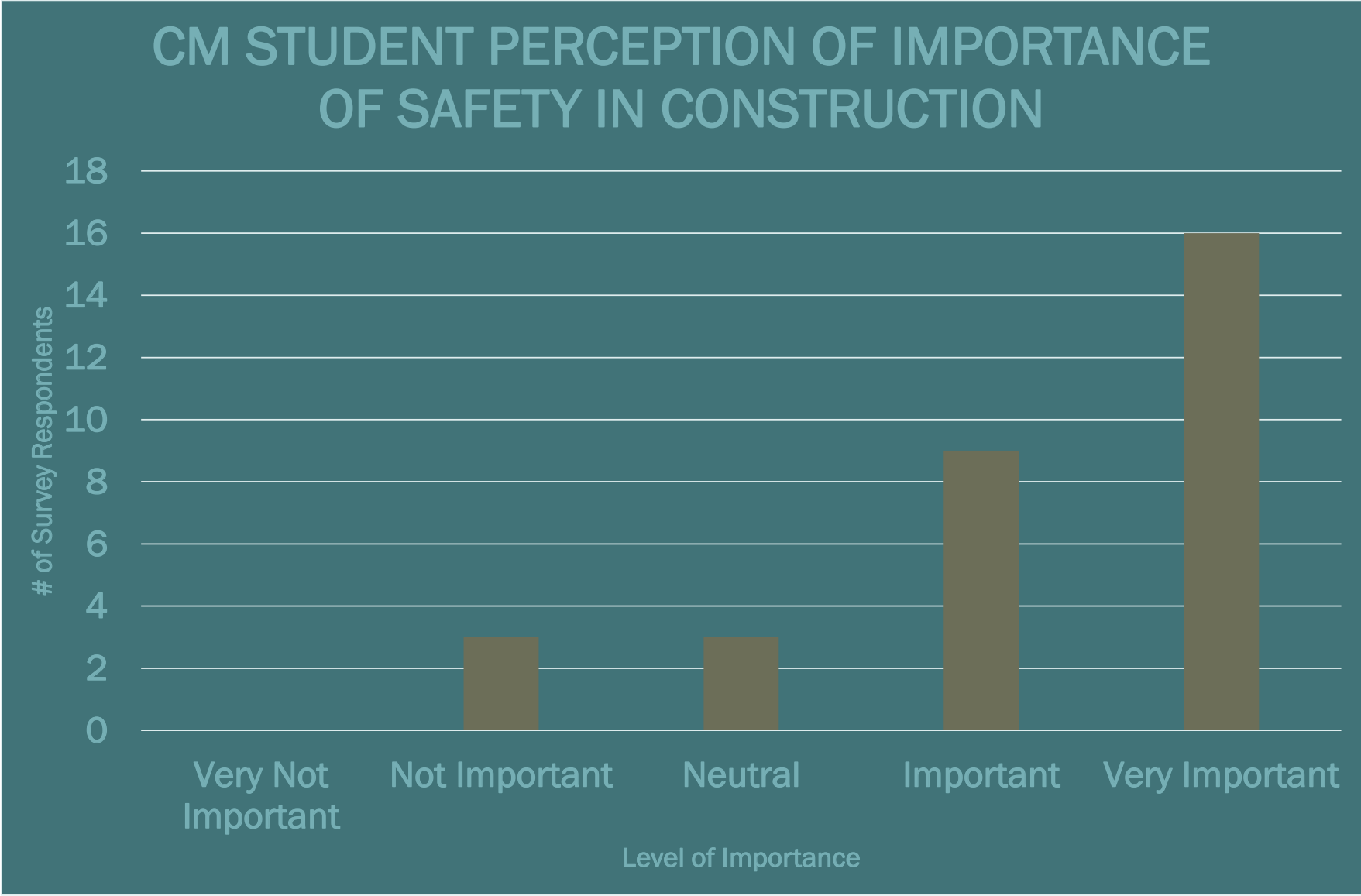
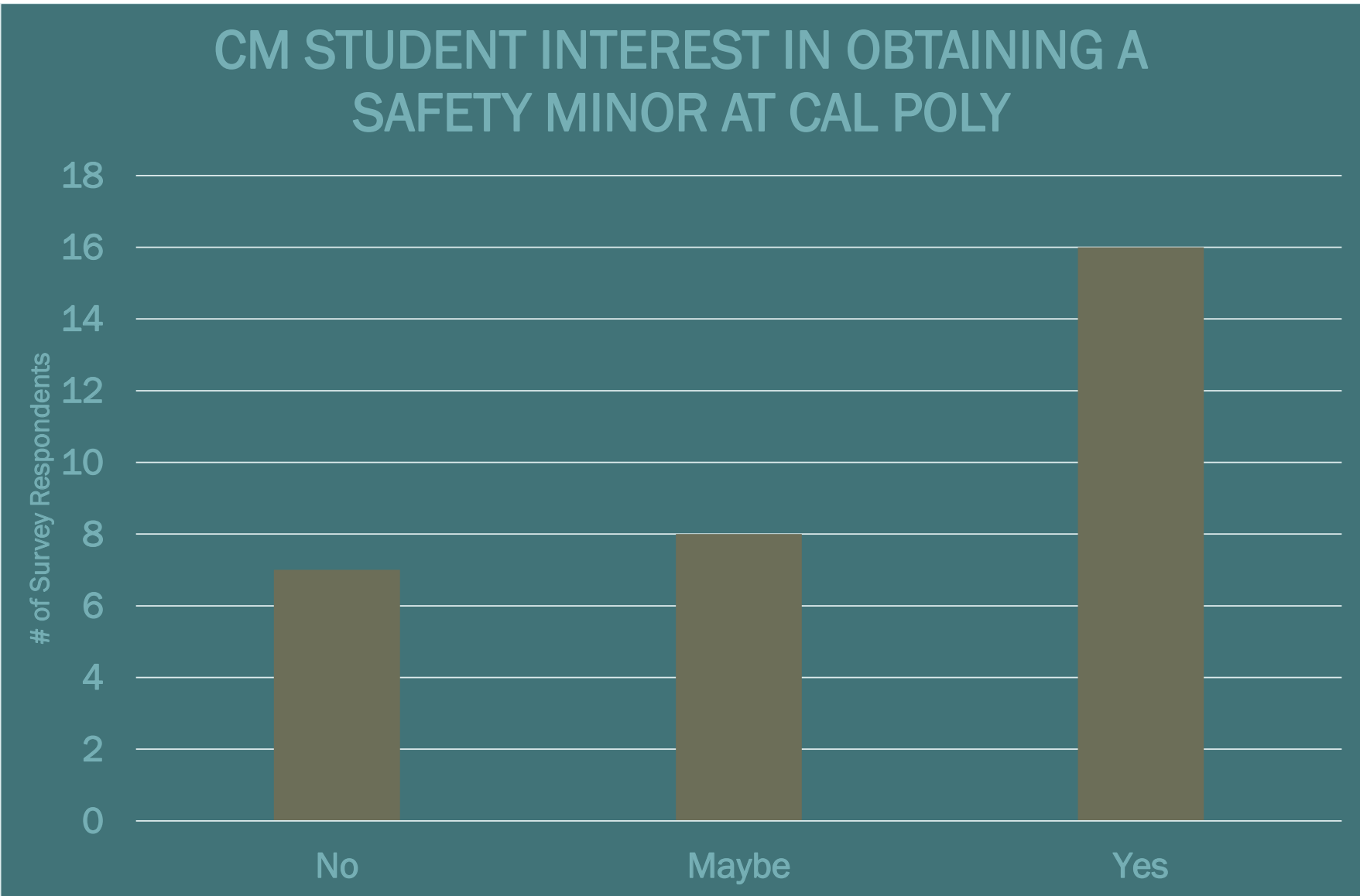
“Occupational Safety and Health (OSH) excellence underpins business success. Operations that involve risk can produce injuries, illnesses, and environmental events that are harmful to people and costly to the business. Assessing and managing risk leads to safer, more environmentally sound and more efficient processes, while also reducing costs. Name recognition: the company that hurts people; this affects ability to bid future work.”
-Alex Kumar, EH&S Area Manager
San Francisco, CA

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ABSTRACT

Safety plays an essential role in the construction industry. With construction projects increasing in size, time, and overall complexity, it has become increasingly difficult to implement safe protocol and procedures. Present-day construction projects sometimes require more than 10,000 employees, including dozens of subcontractors, office teams, and more on-site. In addition to the increased need for laborers, increasing project size means an increase in demand for individuals with expertise and experience in safety practices. Projects of all shapes and sizes are in need of professionals with proven expertise in implementing safety practices. Currently, many incoming project engineers and field engineers lack the important knowledge that is crucial to protecting an individual or group of individuals from being at high risk of exposure to imminent danger. For these reasons, it is important that Cal Poly College of Architecture establish an Occupational Safety and Health Minor. Increasing the number of industry professionals with safety backgrounds from Cal Poly will be immensely advantageous. Establishing Occupational Safety and Health as a Minor at Cal Poly would prove our students, especially when compared to those from other universities, are determined, intuitive, reliable, and prepared to be involved in the industry. By making this minor available to all students, primarily those who intend to be involved in the construction industry, annual construction-related injuries and deaths will vastly decrease, and the demand for more safety professionals will be met. This new curriculum would follow Occupational Safety and Health Administration (OSHA) guidelines and make job-sites throughout the United States safer and more productive projects.

SURVEY



OBSERVATIONS

CONSTRUCTION MANAGEMENT OVERVIEW:

MAJOR COURSES: 70 UNITS
SUPPORT COURSES: 75 UNITS
GENERAL EDUCATION: 44 UNITS
ADDITIONAL SAFETY COURSES: 18 UNITS
207 UNITS

OCCUPATIONAL SAFETY AND HEALTH COURSES

UPPER DIVISION:

1. Occupational Health (4 UNITS)
2. Occupational Safety (4 UNITS)
3. Occupational Health and Safety Laws and Regulations (4 UNITS)

LOWER DIVISION:

1. Fundamentals of Safety and Health (2 UNITS)
2. Cause and Control of Occupational Loss (2 UNITS)
3. Environment and the Law (2 UNITS)

TOTAL UNITS: 18 UNITS

