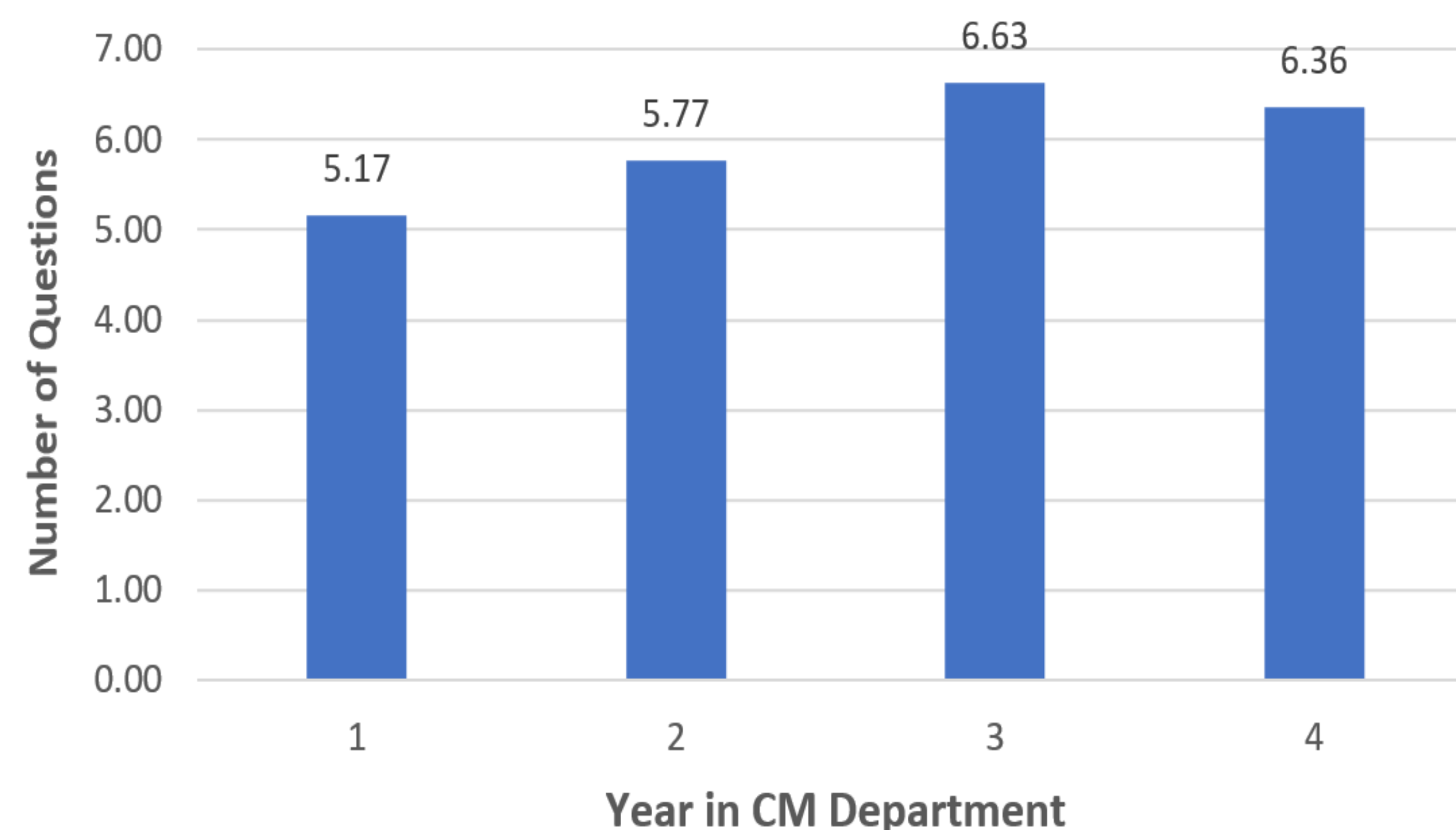


The Survey:

15 multiple choice and true or false questions with topics ranging from choosing a specific tool to complete a task to OSHA tools and equipment safety distributed to 41 students in the CM Department.



Average Correct Survey Responses (Out of 13)



Cal Poly Tools and Equipment Course Concept

The current Cal Poly Construction Management curriculum covers nearly all areas of the construction industry with a wide range of materials along with where, how, and why they are used. However, no class is specifically geared towards getting students to learn about tools and equipment that are required to complete most of the jobs in these industries. By offering a technical elective course that allows students to not only visualize but recognize what tools and pieces of equipment are most effective and acceptable for various applications we can get students to further understand issues of constructability and safety on the jobsite. This paper will analyze what students know and don't know about basic and more specialized forms of equipment utilized on projects, why that knowledge is important and what should be done to ensure new graduates are well-versed in this area of construction.

Key Words: Tools, Equipment, Safety, Curriculum, Construction Technology

Jason Wahlund: California Polytechnic State University, San Luis Obispo



Class Structure Proposal:

Week 1:	Fall Protection
Week 2:	Carpentry
Week 3:	Concrete
Week 4:	Steel
Week 5:	Grading
Week 6:	Excavation
Week 7:	Cranes
Week 8:	Soil
Week 9:	MEPF
Week 10:	Technology Presentations



The Interview:

John Tuttle is a veteran superintendent that works for Webcor. His advice was to think of this class as research and development driven. Although it is important to learn about tool and equipment applications, having students actually identify what the safest and most efficient methods are based on data is how they will be prepared for the real world.



Majority of homework will be the completion of the OSHA 30-Hour Construction Training Course