

Course Schedule

Week:	Coursework Description:	Associated Course Material
Week 1	Intro / History of Demolition	Chapter 1: Introduction to the Industry
		Chapter 2: The Demolition Contractor
Week 2	Equipment & Demolition Attachments	Chapter 9: Demolition Equipment
Week 3	Safety	Chapter 8: Safety on a Demolition Project
		Chapter 5: Demolition Regulatory Guides
Week 4	Estimating and Project Management	Chapter 6: Estimating - Quantifying and Pricing the Demolition Project
		Chapter 13: Project Management
Week 5	Types of Demolition - Selective	Chapter 3: Modern Demolition Practices
		Chapter 4: Types of Demolition - Building and Structures
Week 6	Types of Demolition - Building Demolition	Chapter 4: Types of Demolition - Building and Structures
		Case Study: The Mexican Museum
Week 7	Types of Demolition - Excavation & Earthwork	Chapter 4: Types of Demolition - Building and Structures
Week 8	Types of Demolition - Demolition by Implosion / Disaster Response	Chapter 11: Explosives in Demolition
		Chapter 12: Disaster Response
Week 9	Types of Demolition - Marine Demolition	Chapter 11: Explosives in Demolition
		Chapter 12: Disaster Response
Week 10	Recycling / Abatement	Chapter 11: Explosives in Demolition
		Chapter 12: Disaster Response

Creating a Demolition Topic Course

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Demolition is as old as construction itself and has always played an integral role in the construction process. That is, however, not the reality of the Construction Management (CM) program at California Polytechnic State University (Cal Poly). The current curriculum covers a wide range of topics and prepares students to be able to join any residential, commercial, and heavy civil projects. These projects all have something in common, the demolition process. Undergraduates are not prepared with the basic demolition knowledge to be successful in the industry. Demolition is overlooked at Cal Poly and is not a primary focus in any course. By offering a course focused entirely on the demolition process, principles, and safety, students will be better prepared for the workforce and the industry. This project-based paper establishes the building block for a complete demolitions course at Cal Poly. It breaks down learning goals, a basic schedule, coursework, and materials, as well as everything else needed to create a new course on demolition for the curriculum.

Key Words: Demolition, Topic Course, Curriculum, Syllabus, Recycling

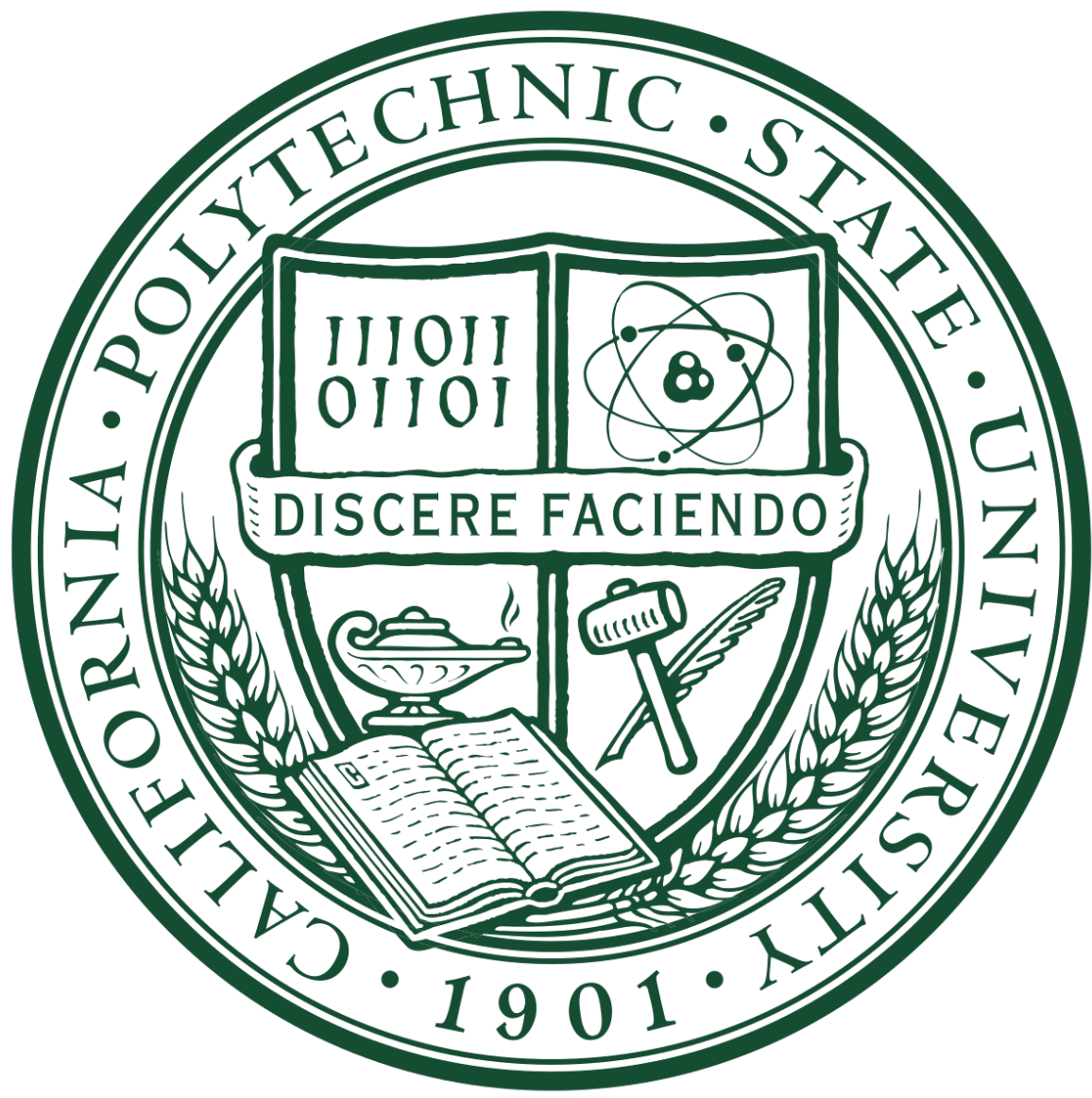
Bay Bridge



Mexican Museum



World Trade Center



Coursework

Description	Percentage of Grade
Mid-Term Exam	20%
This Mid-Term Exam will be based off weeks 1-5 and the correlated material.	
Final Exam	20%
The Final Exam will be based off weeks 6-10 material and will incorporate questions pertaining to the three case studies.	
Case Study Assignments	20%
<ul style="list-style-type: none">The Mexican MuseumThe World Trade CenterDemolition of the Bay Bridge	
Weekly Quizzes	25%
<ul style="list-style-type: none">Quiz 1: History / Intro to demolition (CH. 1, CH. 2)Quiz 2: Equipment (CH. 9)Quiz 3: Safety (CH. 5, CH. 8)Quiz 4: Estimating / Project Management (CH. 6, CH. 13)Quiz 5: Selective Demolition (CH. 3, CH. 4)Quiz 6: Building Demolition (CH. 4)Quiz 7: Excavation / Earthwork (CH. 4)Quiz 8: Demolition by Implosion / Disaster Response (CH. 11, CH. 12)Quiz 9: Marine Demolition (CH. 4)Quiz 10: Abatement / Recycling (CH. 10)	

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