

Managing the Design Process

Keep up-to-date with international best practice for managing the engineering design process in building and civil infrastructure projects from the American Society of Civil Engineers

Overview

For most experienced members of the engineering profession, the technical elements of even the largest jobs are easy. What is often difficult is coordination: getting people to communicate with one another; making sure that individuals are on schedule; receiving decisions quickly from clients and management, identifying and dealing with changes and keeping stakeholders informed. In short, project management.

During this course, you'll equip yourself with time and cost management skills, as well as quality assurance techniques that will help you manage the engineering design process. You'll also develop the skills to prepare construction documents for building and civil infrastructure projects.

This course involves you in a project leadership model that you can take back to your workplace and apply immediately. The course addresses all phases of a project: initiating, planning, executing, controlling and closing.

Facilitator

Lonny Simonian, P.E., P.M.P., has over 25 years of experience in the design and construction engineering of civil infrastructure systems. He is an Associate Professor at California Polytechnic State University, San Luis Obispo while concurrently pursuing his doctorate degree in Civil Engineering at the University of California at Berkeley. Mr. Simonian is a licensed professional engineer in the State of California and is certified as a Project Management Professional by the Project Management Institute. He holds a Master of Science degree in Engineering from U.C. Berkeley with an emphasis in Construction Engineering and Management, a Project Management Certificate from Stanford University, and a Bachelor's degree in Electrical Engineering from Cal Poly, San Luis Obispo.

Course Topics Include:

- Project Scoping and Conceptual Design
- The Design Process - Execution, Monitoring, and Control
- Establishing and Managing Design and Coordination Meetings
- Professional Services - The Role and Use of Engineering Design Consultants
- Establishing Design Schedules and Budgets
- Design Documentation and Record Keeping
- Quality Management during the Design Process
- Public Outreach and Communications Management in the Design Phase

Registration Information:

This course will take place over four 9.00am – 1.00pm AEST sessions held on 22, 23, 24 & 25 June 2021.

Register Today

Registration for this course will close at 11.59pm AEST on Wednesday 16 June.

- **This course is run exclusively by The American Society of Civil Engineers with Engineering Education Australia.**