

Additional Leadership and Management Courses Available From ASCE

Better Decision Making Numerical Methods and Beyond

Our daily lives require myriad decisions. Many of them are routine, but some have long lasting effects and others have hidden complexity. Whether managing a business or your own life, making better decisions – in the face of uncertainty, time pressure, and imperfect judgment – will improve your personal and professional life. Utilizing structured decision making using numerical methods that assess outcomes and risk in competing options can provide insights into the decision that might not be considered by the “gut instinct” decision maker. 2 hours.

0.2 CEUs

Critical Path: Introduction to the Method and Software

Project managers typically face four schedule questions:

- 1) How long will the project take?
- 2) Are we on schedule?
- 3) How long will the project be delayed because of this setback?
- 4) How long did the project really take?

The Critical Path Method (CPM) provides answers to these questions, and facilitates a very systematic approach to project planning. 1 hour.

0.1 CEUs

Ethics- The Road Engineers Must Follow

Engineering is consistently ranked by the general public in the U.S. as one of the top five ethical professions – have we tricked the public or is this an honor we have truly earned? In this webinar on CD, ethics will be carefully defined and will reflect on the differences in your personal and professional ethics. Ethical di-

lemmas are discussed and you are guided to various sources to aid in decision making. The ASCE Code of Ethics as well as other formal and informal Codes are presented and discussed. Specific ethical situations are discussed by the ASCE General Counsel. 1 hour.

0.1 CEUs

Knowing My Style: Improving Productivity and Teams through Self-Knowledge

All of us have unique ways of working and thinking. The way we express ideas, present ourselves, approach and respond to others, pace our work activities, take action and make decisions, structure our time and carry out our projects – all this forms a personal statement about who we are as professionals. This webinar-on-CD will help you identify your own work style and how it works for and against you, especially in times of heavy workloads and intense people interaction, and provides a set of guidelines on how to interact effectively with others, no matter what their style, so that you can improve work results. 1 hour.

0.1 CEUs

Project Management

Developed by engineers for engineers this 35-hour PMI Certified course covers all aspects of project management including: client relations; contracts and procurement, planning; scheduling; budgeting; accounting and finance; quality and monitoring; and administration. This online course can be used by individuals or deployed across an entire firm or agency. 35 hours.

35 PDHs. 1 Years Access

“The course helped develop a base to identify the decision-making process as it relates to management, leadership and team building.”

–Kenneth Fleming, Anne Arundel County, Department of Public Works, Annapolis, MD

“The leadership tools learned are not only useful in leadership roles but also in daily interaction. The course helped me acquire interaction and team building skills.”

–Bruce Boedtker, Bruno Associates, Woodstock, VT

ASCE

American Society of Civil Engineers

1801 Alexander Bell Drive
Reston, Virginia, 20191-4400

Leadership Development for the Engineer –Online Course

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contact John Wyrick at jwyrick@asce.org for information on

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\$399 Members

\$499 Non-Members

Your registration fee provides online access to the course for one-year from the date of initial access

ASCE Distance Learning:

Better Decision Making

\$149M \$199NM. (7DMI)

Critical Path

\$75M 125NM. (7CP)

Ethics- The Road Engineers Must Follow

\$75M \$125NM. (7ET)

Knowing My Style

\$75M \$125NM. (7KMS)

Project Management

\$895M \$995NM (W56)

*Ind./Org. Price. If purchased at the individual price, the course may be used solely by the individual for educational purposes. It may not be duplicated, sold, or rented to others.

(add \$7.50 for shipping first item, \$2.00 each additional item)*
*additional cost outside the USA and for overnight delivery.

How to reach us:

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Distance Learning Programs From ASCE

Leadership Development for the Engineer

A NEW On-Demand, Online Course from ASCE

This course will guide you through the steps required to become a successful leader in an engineering organization. You will recognize the need for honing not only your technical but also your leadership skills. You will understand the differences in and the need for the “art” of leadership and the “discipline” of management. You will be introduced to important leadership philosophies and powerful tools.

- Learn anytime, anywhere
- Work at your own pace
- Videostreamed seminars are just like being there... listen to and watch the instructor and view their PowerPoint slides as the course progresses
- Attend different segments of the course at times convenient for you
- Easily navigate from one section of the course to another
- Benefit from ASCE's quality continuing education programs even if you cannot take time off from work to attend a live, instructor-led course



Leadership Development for the Engineer –Online Course

Purpose and Background

A senior engineer executive recently said, “I can always find a good tuba player but I have one heck of a time finding a good conductor.” In this new century, the engineering manager must not only be technically competent, but must possess the leadership or “conductor” skills to move the organization forward. The need for leadership skills is particularly important in this time of change and complicated by the explosion of new technology. Often, the most successful, technically competent engineers move into positions of leadership. The characteristics that earned the engineers the leadership positions (such as independent achievements and focused technical interests) are often the very characteristics that will lead to failure as a leader. Although, engineers continually develop new technical skills, they receive little training to develop and hone their leadership skills. This online course, designed for engineers, will help you to develop or expand your leadership skills and will provide tools needed for your success.

Topics Covered

Leadership defined: Learn the characteristics of a good supervisor. Through discussion of the characteristics, the definitions of “leadership” and “management” will evolve. These characteristics will be compared to those of a good engineer. Dealing with generational differences will be a major theme throughout the seminar.

Delegation: Learn how to delegate effectively to get the job done.

Motivating during change: Understand the dynamics of motivation and change.

Communications – men and women: Types of communications will be demonstrated and discussed. An effective method for providing feedback will be discussed.

Decision making: Structured processes will be presented to maximize both the quality and acceptances of decisions. These processes will be used to solve problems.

Team building: A group development model will be presented that will reveal how teams evolve and develop and the corresponding appropriate leadership styles.

Ethics, Values, and Self-Assessment: Understand how the leader sets the organization’s ethical climate and that leaders’ must know their own values and those of their team members to be truly effective.

What Others Had To Say:

“The instructor did an excellent job presenting various topics of leadership. He was able to capture the participants’ attention and maintain a totally interactive group.”

–Bruce Wright, P.E., Anne Arundel County, Department of Public Works, Annapolis, MD

Course Benefits

- Learn how to successfully lead an organization
- Gain an understanding of yourself and your people
- Gain an understanding of generational differences
- Learn how to apply the “art” of leadership and/or the “discipline” of management
- Learn how to apply appropriate leadership styles to the situation
- Learn how to apply systematic decision making processes
- Learn how men and women communicate in the workplace
- Learn how to effectively communicate and provide feedback
- Evaluate your value system as well as the values of those being led
- Learn your role in establishing the organization’s ethical climate

Who Should take this course?

The course is structured for civil engineers or other technical professionals in a leadership position, or those aspiring to move into a leadership role.

Course Instructor

CHARLES C. CALHOUN, JR., P.E., F.ASCE, has extensive leadership and management experience. He recently retired as the Deputy Director of the Coastal and Hydraulics Laboratory (CHL) of the U.S. Army Engineer Waterways Experiment Station in Vicksburg, MS. He, with the Director, led the world’s largest water resources research and development “national laboratory” in this technical area with over 200 engineers and scientists supported by a technical and administrative staff of over 100. He holds bachelors and masters degrees in Civil Engineering from Mississippi State University and Oklahoma State University, respectively. In addition to his hands-on experience, Charlie has had comprehensive training in management/leadership philosophy, principles and techniques. He is a graduate of the prestigious Center for Creative Leadership (CCL) Leadership Development Program and worked directly with CCL to produce a highly successful leadership development program in place at CHL. He has completed and taught numerous other courses in personnel management and leadership. Being a certified high school football official for over 30 years has given him yet another perspective for decision-making and leadership under pressure. Active in ASCE since his college days, he was a recipient of the Moffatt-Nichol Harbor and Coastal Engineering Award and is the Past President of the Board of Governors of the Coasts, Oceans, Ports and Rivers Institute.

Course Outline

Introduction

Leadership defined

Delegation

Motivation during change

Communications

Decision-Making

Team Building

Ethics, Values, and

Self-Assessment

Computer Requirements

PC Users:

- Pentium or higher CPU
- 32 MB RAM
- Sound card and speakers
- Windows 95+
- Internet connection: 28.8 kbps+
- Netscape 4.0-4.72
- Internet Explorer 4.0
- Realplayer 7

Mac Users:

- PowerPC 200mhz+
- 32 MB RAM+
- Sound card
- Speakers
- OS 8.0 or higher
- Internet connection: 28.8 kbps+
- Netscape 4.0-4.5
- RealPlayer G2 Final Version

“Fast-moving to remain interesting enough, yet deliberately paced to allow thorough coverage and exploration of the material.”

–William Meyer, Senior Project Manager, REI, Wausau, WI

“This seminar helped open my eyes to see that I need to ‘sharpen my saw’ and rethink my leadership techniques that I use on a daily basis.”

–Vance Hohn, Project Manager, Denham-Blyth Co., Inc., Goodlettsville, TN

“The seminar was fantastic. I am glad I took it. It helped me think ‘out of the box’. The course helped bring out the difference between management and leadership.”

–Kamal Dixit, The Neel Company, Springfield, VA