

Agenda

Presented by Adedeji Badiru

Role of Scheduling in Project Planning and Cost Control

- Planning and scheduling
- Project control
- Scheduling and project management
- Increased productivity and cost control

Bar (Gantt) Charts

- History and development of bar charts
- Advantages and disadvantages
- Creating bar charts

Introduction to Critical Path Method (CPM) Scheduling

- Development of CPM
- Introduction to main features
- Advantages and disadvantages
- Finding the critical activities and the critical path

Creating a CPM Logic Diagram

- Understand the project goals, components and processes
- Use a work breakdown structure
- Identify the activities
- Calculate durations
- Find start and finish dates
- Find the critical path

Fine-Tuning and Changing the Schedule

- Resource allocation and resource leveling
- Materials management
- Scheduling and cost control
- Working with floats and with lags
- Handling delays
- Crashing the schedule

Software, Reports and Presentations

- Computerized scheduling
- Working with standard scheduling programs:
 - Primavera, Microsoft Project, others
- Preparing reports and presentations
- Getting project participants to conform to the schedule

Construction Scheduling and Cost Control
Columbus, OH - Thursday, February 28, 2019

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Learning Objectives

You'll be able to:

Use project schedules to increase productivity and control costs.

Discuss the advantages and disadvantages of bar charts and critical path method scheduling.

Create a critical path method logic diagram.

Examine resource allocation and resource leveling.

Discuss schedule crashing.

Understand how to work with standard scheduling programs.



Construction Scheduling and Cost Control

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Understand the role of scheduling in project planning and cost control

Explore the history and development of bar charts

Discuss critical path method scheduling

Examine ways to fine-tune and change the schedule

Learn about software, reports and presentations

Continuing Education Credits

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7.0 PDHs

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Non-Credit in Ohio
7.0 AIA Learning Units

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Non-Credit Continuing Ed.



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Faculty

Adedeji Badiru *Professor at Airforce Institute of Technology*

Dr. Badiru is a professor of Systems Engineering at the Airforce Institute of Technology (AFIT). He was previously professor and head of systems engineering and management at AFIT, professor and department head of Industrial & Information Engineering at the University of Tennessee - Knoxville, and professor of industrial engineering at the University of Oklahoma, Norman. He is a registered professional engineer (PE), a certified project management professional (PMP), a fellow of the Institute of Industrial & Systems Engineers, and a fellow of the Nigerian Academy of Engineering. He holds a B.S. degree in Industrial Engineering, an M.S degree in Mathematics, an M.S. degree in Industrial Engineering from Tennessee Technological University, and a Ph.D. degree in Industrial Engineering from the University of Central Florida. Professor Badiru’s areas of interest include mathematical modeling, project modeling and analysis, economic analysis, systems engineering, and efficiency/productivity analysis & improvement. He is a prolific author, with over 35 books, over 30 book chapters, over 130 journal and magazine articles, and over 200 conference presentations. He is a member of several professional associations and scholastic honor societies. He has been recognized with several awards for his teaching, research, and administrative accomplishments.

Seminar Information

Crowne Plaza Columbus North - Worthington 6500 Doubletree Avenue Columbus, OH 43229 (614) 885-1885	Registration 8:00 - 8:30 am Morning Session 8:30 - 11:45 am	Lunch (On your own) 11:45 am - 12:45 pm Afternoon Session 12:45 - 5:00 pm
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Tuition

\$279 for individual registration

\$259 for three or more simultaneous registrations.

Included with your registration: *Complimentary continental breakfast and printed seminar manual.*

Receive a reduced tuition rate of \$101 by registering to be our on-site coordinator for the day. For availability and job description, please visit www.halfmoonseminars.org.

How to Register

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- Mail-in or fax the attached form to 715-835-6066
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Cancellations: Cancel at least 48 hours before the start of the seminar (CDT), and receive a full tuition refund, minus a \$39 service charge for each registrant. Cancellations within 48 hours will receive a credit toward another seminar or the CD/manual package. You may also send another person to take your place.

Additional Learning

Webinar Series

Off-Grid Master Class

- **Off-Grid Master Class, Part I**
Wed., Feb. 6, 2019, 11:00 AM -2:15 PM CST
- **Off-Grid Master Class, Part II**
Thurs., Feb. 7, 2019, 11:00 AM -2:15 PM CST

Complying with ADA Standards for Accessible Design

- **Complying with Federal and State Accessibility Requirements**
Thurs., Feb. 7, 2019, 11:00 AM -1:30 PM CST
- **Meeting Requirements in IBC and ADA Standards**
Fri., Feb. 8, 2019, 11:00 AM -1:30 PM CST

Special Inspections

- **Introduction to Chapter 17: Special Inspections**
Wed., Feb. 13, 2019, 11:00 AM -12:30 PM CST
- **Soils and Foundations**
Wed., Feb. 13, 2019, 1:00 -2:30 PM CST
- **Reinforced Concrete and Structural Steel**
Thurs., Feb. 14, 2019, 11:00 AM -12:30 PM CST
- **ACT Ceiling Grid, Epoxy Anchors, and Fire Penetrations**
Thurs., Feb. 14, 2019, 1:00 -2:30 PM CST

Foundations in Cold Regions

- **Introduction to Cold Regions Foundations**
Thurs., Feb. 21, 2019, 11:00 AM -12:30 PM CST
- **Shallow Foundation Design in Cold Regions**
Thurs., Feb. 21, 2019, 1:00 -2:30 PM CST
- **Deep Foundation Design in Cold Regions**
Fri., Feb. 22, 2019, 11:00 AM -12:30 PM CST
- **Foundation Construction in Cold Regions**
Fri., Feb. 22, 2019, 1:00 -2:00 PM CST

For more information and other online learning opportunities visit:
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Continuing Education Credit Information

This seminar is open to the public and offers 7.0 PDHs to professional engineers in all states. Educators and courses are not subject to preapproval in Ohio.

This seminar offers a non-credit continuing education opportunity for Ohio architects. The subject matter of this course does not meet the HSW definition in Ohio or the American Institute of Architects. The American Institute of Architects has approved this program for 7.0 Learning Units (Sponsor No. J885). Only full attendance can be reported to the AIA/CES.

This course offers a non-credit continuing education opportunity to contractors. It has not been approved by any state contractor licensing entity for licensing maintenance.

Attendance will be monitored and attendance certificates will be available after the seminar for most individuals who complete the entire event. Attendance certificates not available at the seminar will be mailed to participants within fifteen business days.

Can’t Attend? Order the Manual and Audio from the Live Seminar as a Self-Study Package!

A full recording of this seminar is available for \$289, which includes shipping and handling. This learning method does not qualify for the continuing education requirements of Ohio engineers, architects, and AIA members. No contractor credit available. Please allow five weeks from the seminar date for delivery.

Registration

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How to Register

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715-835-5900

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Complete the entire form. Attach duplicates if necessary.

Registrant Information

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Company/Firm: _____

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Additional Registrants:

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Occupation: _____

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Email address is required for credit card receipt, program changes, and notification of upcoming seminars and products. Your email will not be sold or transferred.

() I need special accommodations. Please contact me.

Tuition

() **I will be attending the live seminar.** Single Registrant - **\$279.00**. Three or more registrants from the same company registering at the same time - **\$259.00** each.

() **I am not attending.** Please send me the self-study package for **\$289.00**.

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