

Oklahoma State University Institute of Technology
Online Common Syllabus
Spring 2018

CNS 2403 PROJECT SCHEDULING

Project schedules are developed, which include bar method and the (CPM) critical path method. Selected assignments require computers utilization. Shop drawings and material submittals scheduling are also included.

Course Purpose:

The purpose of this course is to introduce the student to the principles and calculations used in scheduling a commercial construction project.

Type of Course: Theory/Lab

Credit Hours: 3; Total clock hours of theory per semester: 30;

Total clock hours of lab per semester: 45.

Class Length: Full Semester

Class Format: Blended

Class Days and Times: Varies by section MW 9:30 – 10:55 or TR 9:30 - 10:55

Prerequisites: CNS 1303, CNS 2432

Instructor Name: Darren Woodard

Instructor Phone: (918) 293-4738

Office: CNS 1 Room #105

Instructor Email: darren.woodard@okstate.edu

Contact: My preferred method of contact is e-mail. Please allow 24-48 hours to return your correspondence during the normal work week.

Instructor's Office Hours: Posted on my office door or by appointment.

School Name: Construction Technologies

School Main Phone: 918-293-4742

REQUIRED TEXT, REFERENCES, AND MATERIALS

Texts: Construction Scheduling- Principles and Practices, Newitt,
Pearson/Prentice-Hall ISBN #: 0135137829

References: None

Materials: Pencil, Notebook, USB Flash Drive, 3 Ring Binder.

Uniform/Tools: None

Estimated Cost for Materials: \$ 175.00

Estimated Cost for Uniform/Tools: None

Optional Resources: Microsoft Project software

Upon completion of the course, students should:

Course Objectives	Assessment of Objectives
Understand the importance of scheduling practice & know how to adjust progress schedule	Homework, Classroom Exercises, Quizzes, Tests and class participation.
Use scheduling software	Homework, Classroom Exercises, Quizzes, Tests and class participation.
Perform scheduling calculations and know how to load a schedule with resources	Homework, Classroom Exercises, Quizzes, Tests and class participation.
Prepare a CPM schedule and reports	Homework, Classroom Exercises, Quizzes, Tests and class participation.
*Properly sequence building activities	Final Project
*Schedule jobs from start to finish using a bar chart and cpm	Final Project

Aspects of the course objective assessments may be used in the university’s assessment of student learning. If applicable, an asterisk (*) above indicates this assignment is used in the university assessment program.

COURSE ACTIVITIES

In this course students will:

(Please list the specific activities in the course)

- Participate in class discussions and activities.
- View videos that depict the various concepts.
- Take examinations.
- Complete reading assignments.
- May be required to do quizzes.

EVALUATION - GRADES WILL BE BASED ON THE QUALITY AND COMPLETION OF THESE TASKS:

Participation	20%
*Projects	60%
Final Exam	20%
Total	<u>100%</u>

OSUIT Grading Scale A = 90%-100% B = 80%-89% C = 70%-79% D = 60%-69% F = 59% & below
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*The student’s grade for this assignment will be used in the university’s assessment of student learning. A 70% competency or higher receives a Pass rating. This Pass/Fail rating is independent of the student’s course grade.

Daily and/or weekly quizzes, small weekly assignments and similar type projects: Normal return time to student by next class meeting or no later than one (1) week.

Extensive assignments, large lab projects, extensive quizzes, exams and similar type projects: Normal return time to students in one (1) to two (2) weeks.

RECOMMENDED STUDENT COMPETENCIES/SKILLS

Students must be able to read at a college level. Use Microsoft Excel.

AUTHORIZED TOOLS

Students may use any/all course materials, including books and notes, while participating in classroom activities. All quizzes and written assignments are to be completed independently; no collaboration with classmates is permitted and any instance of such will be considered academic dishonesty.

LATE WORK

No late work will be accepted, unless arrangements have been made prior to the beginning of class.

TESTING

Exams will be taken on campus in the construction computer lab

OTHER LAB AND CLASSROOM POLICIES

None

ONLINE COURSE INTERACTION

OSUIT requires all online courses to include interaction between students, peers and instructors. Our online courses use a variety of tools to build a community of learners and strengthen engagement between students and their peers, as well as between students and the instructor. Communication tools used in courses may include Discussion, News, and Email. Read the syllabus completely to determine which of these methods you, your classmates and your instructor will use for interaction.

General guidelines for student conduct while interacting within an online course include: (1) Use proper language in all communications; (2) Harassment of any type will not be tolerated; (3) No jokes, insults or threats of an offensive nature.

For more information, go to: <http://osuit.edu/center/netiquette>

SYLLABUS ATTACHMENT

View the Syllabus Attachment, which contains other important information, by visiting http://osuit.edu/center/student_syllabus_information

Course Schedule			
Course Outline Schedule	Topic	Assignment	Due Date
Week 1	History Of Scheduling & 7 Habits	Lab #1 (Small Home Schedule)	1/18/18
Week 2	Planning & Scheduling & Bar Charts		
Week 3	Scheduling Networks/ Checklists, To-Do Lists, Etc....	Lab #2 (Small Commercial Schedule)	2/08/18
Week 4	CPM/ Network Diagrams		
Week 5	Durations/ Start/Finish/ Start/Finish		
Week 6	Float/ Lags		
Week 7	Computer Scheduling – Microsoft Project		
Week 8	Microsoft Project Cont.	Lab #2 (Medium Commercial Schedule)	3/08/18
Week 9	Microsoft Project Cont. WBS & Sorting		
Week 10	Microsoft Project Cont. Constraints		
Week 11	Microsoft Project Cont. Updating		
Week 12	Final Project	Final Project	4/11/18
Week 13	Final Project Cont.		
Week 14	Final Project Cont.		
Week 15	Final Exam		4/18/18 or 4/19/18

Schedule is subject to change at instructor discretion.