

Northwest Arkansas Community College
(Workforce Division)

Discipline Code

CST

Course Number

2523

Course Title

Project Scheduling

Catalog Description

This course examines the role of the project manager in planning, scheduling and controlling a construction project from start to finish. Topics include Gantt charts, basic networks, the critical path method, precedence networks, resource allocation and leveling, schedule updating and project control, schedule compression, reports and presentations, and construction delay claims.

Prerequisites

None, but CST 2413 is recommended.

Credit Hours

3 credit hours

Contact hours

45 lecture contact hours

Load hours

3 load hours

Semesters Offered

Fall, Spring, Summer

ACTS Equivalent

N/A

Grade Mode

A-F

Learning Outcomes

Upon completing this course, the student should be able to:

- Articulate the reasons for a project schedule, and the benefits to building and controlling a project through the schedule.
- Read a set of construction documents and build a cohesive schedule to project a project's duration.
- Calculate a project's duration based on given activities.
- Create an integrated project schedule using Microsoft Project.
- Use daily, weekly, and monthly preplanning to keep a schedule accurate.

General Education Outcomes Supported

- Students develop higher order thinking skills.
- Students can write clear, coherent, well-organized documents, substantially free of errors.
- Students develop effective oral communication skills.
- Students demonstrate information literacy.

Standard Practices

Topics list

- Construction Drawings
- Project Scheduling
- Construction Processes
- Materials

Learning activities

- Courses must, at a minimum, cover the core learning outcomes for each topic. Faculty may add to these outcomes, but may not omit any of them.
- Students will create project schedules using Microsoft Project to demonstrate their understanding from the lectures and text.
- Online discussions allow students to share their understanding of the key course principles of project scheduling and construction processes.
- Since all general education outcomes are supported by specific course and program outcomes, all instructors should include learning activities that develop these outcomes in their courses and identify them in course syllabi. Instructors should describe how these activities will be evaluated in their course syllabi and/or reflected in their gradebooks.

Assessments

Written exams, quizzes, and class assignments with peers using Microsoft Project.

Grading guidelines

- 90% score of all graded assignments = A
- 80% - 89% score on all graded assignments = B
- 70% - 79% score on all graded assignments = C
- 60% - 69% score on all graded assignments = D
- <60% score on all graded assignments = F

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