

**NorthWest Arkansas Community College
Workforce & Economic Development Division
Construction Technology Department Course Outline**

Course Number and Title

CST 2523 Project Scheduling (F, S)

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.

Prerequisite

None, CST 2413 is recommended

Credit Hours/Contact Hours/Load Hours

3/3/3

Target Audience / Transferability

This course is designed for students completing the requirements for the two-year NWACC Associate of Applied Science degree in Construction Technology. This course can also be useful for construction professionals needing current knowledge. This class will transfer to some universities.

Student Learning Outcomes

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

- Understand the reason 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.

Topics

- Construction Drawings
- Project Scheduling
- Construction Processes
- Materials

Forms of Assessment

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

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