



Master Course Syllabus

For additional course information, including prerequisites, corequisites, and course fees, please refer to the Catalog: <https://catalog.uvu.edu/>

Semester: Spring-Full

Year: 2025

Course Prefix: CMGT

Course and Section #: 2010 -001

Course Title: Construction Materials and Methods II

Credits: 3:2:2

Course Description

Principles of Construction Scheduling provides fundamental skills required to plan and schedule construction projects. This course familiarizes students with computer scheduling software and construction scheduling techniques and concepts.

Click here to enter text. Course Attributes

This course has the following attributes:

- General Education Requirements
- Global/Intercultural Graduation Requirements
- Writing Enriched Graduation Requirements
- Discipline Core Requirements in Program
- Elective Core Requirements in Program
- Open Elective

Other: *Click here to enter text.*

Instructor Information

Instructor Name: John E Linfield

Student Learning Outcomes

Course:

- 1) Define durations and activities based on historical data, input from project participants, and analysis of work to be done and schedule and update tasks using scheduling software.
- 2) Utilize CPM precedence network diagrams and bar charts to represent time dependent activities for a construction project.
- 3) Monitor resources and costs to manage cash-flow.
- 4 Analyze schedule and reports for variance and problem solving.

ABET:

- 7) An ability to use and apply current technical concepts and practices in planning and scheduling.
- 10) An ability to function effectively on teams and demonstrate skills in leadership and managing people
- 11) An ability to use and apply business and communication skills.

Course Materials and Texts

Construction Planning and Scheduling, 2nd Edition, Glavinich, Thomas E.
P6 Primavera Scheduling Classroom Application Software

Course Requirements

Course Assignments, Assessments, and Grading Policy

Coursework/Grading Scale: Summary of Anticipated Assignments

<u>Assignments</u>	<u>Points</u>	<u>Due Date</u>
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Coursework/Grading Scale:

Mentor Term Group Project	***
Team Hvy Civil Topic Presentation	***
Project Management Articles Paper	***
Bar Chart Schedule	***
Villego P6 Schedule	***
Project Management Articles Paper	***
Forward Backward Pass Handout and Design	***
Crashing a Schedule Assignment	***
Midterm Exams (Parts I, II, III, IV)	***
Finals (Part I & II)	***
Estimated Total Points	***

Grading Scale Percentages:

A = 93 - 100

A- = 89 - 92

B+ = 86 - 88

B = 82 - 85

B- = 78 - 81

C+ = 74 - 77

C = 69 - 73

C- = 60 - 68

D+ = 56 - 59

D = 51 - 55

D- = 45 - 50

E = 0 - 44

Required or Recommended Reading Assignments

See on-line course management system (Canvas) assignments

General Description of the Subject Matter of Each Lecture or Discussion

Week 1: Chapter 17, presentation teams & topics assigned

Week 2: Blueprint reading and Chapter 18

Week 3: Chapte 19-22

Week 4: Lumber takeoff, shop wall plate layout assignment

Week 5: Work group framing materials

Week 6: Roof System Supplementary Material Takeoff

Week 7: Field Trip

Week 8: Top Build-All Season & Field Trip

Week 9: Midterm Review

Week 10: Spring Break

Week 11: Chapter 27 & 23-25

Week 12: IBC Edgress, Team presentation

Week 13: Team presentation

Week 14: Team presentation

Week 15: Drywall shop demo

Required Course Syllabus Statements

Generative AI

AI is a generally accepted tool for researching concepts. AI is NOT an acceptable means of completing an assignment, it is to be synthesized with other research to create original submissions by the student author.

Using Remote Testing Software

This course does not use remote testing software.

This course uses remote testing software. Remote test-takers may choose their remote testing locations. Please note, however, that the testing software used for this may conduct a brief scan of remote test-takers' immediate surroundings, may require use of a webcam while taking an exam, may require the microphone be on while taking an exam, or may require other practices to confirm academic honesty. Test-takers therefore shall have no expectation of privacy in their test-taking location during, or immediately preceding, remote testing. If a student strongly objects to using test-taking software, the student should contact the instructor at the beginning of the semester to determine whether alternative testing arrangements are feasible. Alternatives are not guaranteed.

Required University Syllabus Statements

Accommodations/Students with Disabilities

Students needing accommodations due to a permanent or temporary disability, pregnancy or pregnancy-related conditions may contact UVU [Accessibility Services](#) at accessibilityservices@uvu.edu or 801-863-8747.

Accessibility Services is located on the Orem Campus in BA 110.

Deaf/Hard of Hearing students requesting ASL interpreters or transcribers can contact Accessibility Services to set up accommodations. Deaf/Hard of Hearing services can be contacted at DHHservices@uvu.edu

DHH is located on the Orem Campus in BA 112.

Academic Integrity

At Utah Valley University, faculty and students operate in an atmosphere of mutual trust. Maintaining an atmosphere of academic integrity allows for free exchange of ideas and enables all members of the community to achieve their highest potential. Our goal is to foster an intellectual atmosphere that produces scholars of integrity and imaginative thought. In all academic work, the ideas and contributions of others must be appropriately acknowledged and UVU students are expected to produce their own original academic work.

Faculty and students share the responsibility of ensuring the honesty and fairness of the intellectual environment at UVU. Students have a responsibility to promote academic integrity at the university by not participating in or facilitating others' participation in any act of academic dishonesty. As members of the academic community, students must become familiar with their [rights and responsibilities](#). In each course, they are responsible for knowing the requirements and restrictions regarding research and

writing, assessments, collaborative work, the use of study aids, the appropriateness of assistance, and other issues. Likewise, instructors are responsible to clearly state expectations and model best practices.

Further information on what constitutes academic dishonesty is detailed in [UVU Policy 541: Student Code of Conduct](#).

Equity and Title IX

Utah Valley University does not discriminate on the basis of race, color, religion, national origin, sex, sexual orientation, gender identity, gender expression, age (40 and over), disability, veteran status, pregnancy, childbirth, or pregnancy-related conditions, citizenship, genetic information, or other basis protected by applicable law, including Title IX and 34 C.F.R. Part 106, in employment, treatment, admission, access to educational programs and activities, or other University benefits or services. Inquiries about nondiscrimination at UVU may be directed to the U.S. Department of Education's Office for Civil Rights or UVU's Title IX Coordinator at 801-863-7999 – TitleIX@uvu.edu – 800 W University Pkwy, Orem, 84058, Suite BA 203.

Religious Accommodation

UVU values and acknowledges the array of worldviews, faiths, and religions represented in our student body, and as such provides supportive accommodations for students. Religious belief or conscience broadly includes religious, non-religious, theistic, or non-theistic moral or ethical beliefs as well as participation in religious holidays, observances, or activities. Accommodations may include scheduling or due-date modifications or make-up assignments for missed class work.

To seek a religious accommodation, a student must provide written notice to the instructor and the Director of Accessibility Services at accessibilityservices@uvu.edu. If the accommodation relates to a scheduling conflict, the notice should include the date, time, and brief description of the difficulty posed by the conflict. Such requests should be made as soon as the student is aware of the prospective scheduling conflict.

While religious expression is welcome throughout campus, UVU also has a [specially dedicated space](#) for meditation, prayer, reflection, or other forms of religious expression.