CNET3190 Construction Scheduling
(3 credit hours: 2+3)

Instructor: Zhenhua Huang                      Spring 2023
Office: Discovery Park F115M                  Time: (M) 9:30 am - 11:20 am
Office Hours: (M, W) 2:30 pm - 4:00 pm        Lab: (M) 11:30 am - 2:20 pm
Phone: 940-369-8148                           Meeting Place: F187
Email: zhenhua.huang@unt.edu                  Lab Place: F187

Course Description:
Principles, analysis, and methodologies for construction planning and scheduling: emphasis on the role of
project duration, resources, and costs. Topics include developing a network model, precedence
diagrams, activity durations and floats, resource allocation and leveling, cash flow, monitoring and control,
linear scheduling, and computer scheduling (PRIMAVERA).

Course Objectives:
By the end of the course, you be able to:

- Understand the concepts of project planning and scheduling.
- Know how to develop and analyze a network model.
- Understand the concepts of project duration, resources, and expenses.
- Know how to calculate and analyze the duration, resource allocation, resource leveling, and cash
  flow.
- Know how to develop and analyze linear schedules.
- Know how to use PRIMAVERA to develop and analyze schedules and control the project progress.

Course Outcomes:
- ABET #1 an ability to apply knowledge, techniques, skills, and modern tools of mathematics,
  science, engineering, and technology to solve well-defined engineering problems appropriate to
  the discipline

Course Requirements:
Attendance – Attendance is mandatory. More than 6 absences will be an “F” grade. Lectures, projects,
and class discussions will contain vital information needed to do well on the exams.

Required text Construction Planning and Scheduling (4th)
Jimmie W. Hinze

Exams: There will be THREE exams (this includes 2 quizzes and a final exam), each quiz worth 20
points. Exams will be based on text readings, handouts, class exercises, videos, and class lectures and
discussions. Students are responsible for all text material, regardless of whether we review the text
material in class or not.

Missed Exams: You will be allowed to make up a missed exam only if you have a documented university
excused absence. If you know in advance that you will miss an exam, you MUST contact me before the
scheduled exam. Make-up exams will not contain the same questions.

Assignments: In addition to the readings from the text, there will be writing assignments. No late
assignments will be accepted. No emailed assignments will be accepted.

Grading Policy:
Grades will be based on:
Attendance, Participation, and Professionalism @ 10 = 10 pts
Homework and Primavera Assignment @ 10 = 10 pts
2 quizzes @ 20 = 40 pts
Project @ 10 = 10 pts
Final @ 30 = 30 pts

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100 pts

Extra credit: There is none.

**Grade Distribution:**
- 90 - 100 = A
- 80 - 89 = B
- 70 - 79 = C
- 60 - 69 = D
- Below 60 = F

**Disabilities Accommodation:**
The University of North Texas complies with Section 504 of the 1973 Rehabilitation Act and with the Americans with Disabilities Act of 1990. The University of North Texas provides academic adjustments and auxiliary aids to individuals with disabilities, as defined under the law. Among other things, this legislation requires that all students with disabilities be guaranteed a learning environment that provides for reasonable accommodation of their disabilities. If you believe you have a disability requiring an accommodation, please see the instructor and/or contact the Office of Disability Accommodation at 940-565-4323 during the first week of class.

**Course Schedule:**

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<td>Class Week 3</td>
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<tr>
<td>Class Week 8</td>
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<td>Class Week 9</td>
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