COURSE DESCRIPTION:

Students specify, plan, and perform management analysis of an engineering or construction project. Written documentation required. Project will be supplied by the instructor.

COURSE PREREQUISITES:

- CNET 3190, CNET 3440, CNET 3460. Senior standing

COURSE MATERIALS:

- All materials to be provided by instructor, including excerpts from manuals, project documents from sponsors, etc.

COURSE OBJECTIVES:

At the conclusion of this course, students should be able to:

- discuss the construction project lifecycle from conception to completion as used in the construction industry.
• implement a best approach to construction projects.
• prepare preliminary versions of documentation regarding site logistics, budget, schedule, sustainability, value analysis, risk assessment, and business planning for a construction project.
• communicate the products of the planning process in oral and/or written formats.

COURSE OUTCOMES: (ABET Student Outcomes addressed):
• #10 Functioning effectively as a member or leader on a technical team. (ABET #4: an ability to function effectively as a member of a technical team).
• #12 Understanding of the need for and an ability to engage in self-directed continuous professional development.
• #14 Committing to quality, timeliness, and continuous improvement.

COURSE POLICY/GRADING:
Semester Topics:
• Students will review/study the materials on each topic provided by the instructor. The requirement for each topic will be detailed in handouts.
• Students will incorporate the assigned topics in their assigned projects as appropriate. In the event it is not possible to incorporate the topics in any assigned project, the instructor will work with the students to address unique project requirements.
• Each topic will be due as listed in the course outline.
• There will be 7 topics worth 10% each. Therefore, all the topics will be worth 70% of the course grade.
• Only one late submission will be accepted during the three-week session. It must be submitted within a day after which it is due, and it will be graded at a 3% penalty (i.e. the maximum grade possible for a late submission will be 7%).

Project Report:
• Students must prepare a comprehensive project report. This report is worth 30% of the course grade.
• Students must:
  o summarize the nature and objective of the project.
  o outline the process and timeline by which the project requirements will be completed
  o clarify students’ role in the process, and specific approaches students will take towards completing the project.

Extra Credit
• There is none.
### COURSE OUTLINE: Subject to change

<table>
<thead>
<tr>
<th>WEEK</th>
<th>ACTIVITY/TOPIC</th>
<th>WORK DUE at 05:00 P.M. on DATES SHOWN BELOW</th>
</tr>
</thead>
<tbody>
<tr>
<td>Week 1</td>
<td><strong>Project:</strong> Selected Building Construction Project</td>
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<td></td>
<td>Review Technical Writing Guidelines</td>
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<td>Topic 1: Site logistics and layout.</td>
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<td>Topic 2: Budget.</td>
<td>Submit Drafts of Topic 1 and Topic 2 to Instructor on December 22, 2019</td>
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<tr>
<td>Week 2</td>
<td>Topic 3: Schedule.</td>
<td>Submit Drafts of Topic 3, Topic 4, and Topic 5 to Instructor on December 29, 2019</td>
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<td>Topic 4: Sustainability.</td>
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<td>Topic 5: Value analysis.</td>
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<td>Week 3</td>
<td>Topic 6: Risk assessment.</td>
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<td>Topic 7: Business plan.</td>
<td>Submit Drafts of Topics 6 and Topic 7 to Instructor on January 5, 2020</td>
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**Submit Comprehensive Project Report to Instructor on January 9, 2020, at 5:00 p.m.**

### OTHER POLICIES

**Academic Integrity:** [https://deanofstudents.unt.edu/academic-integrity](https://deanofstudents.unt.edu/academic-integrity)

This course will adhere to UNT academic policies, including those for academic integrity ([http://vpaa.unt.edu/academic-integrity.htm](http://vpaa.unt.edu/academic-integrity.htm)) and overall conduct ([http://deanofstudents.unt.edu/conduct](http://deanofstudents.unt.edu/conduct)). It is your responsibility as a UNT student to be familiar with these policies, but feel free to ask the instructor any questions pertaining to these.

**ADA Policy**

The University of North Texas makes reasonable academic accommodation for students with disabilities. Students seeking reasonable accommodation must first register with the Office of Disability Accommodation (ODA) to verify their eligibility. If a disability is verified, the ODA will provide you with a reasonable accommodation letter to be delivered to faculty to begin a private discussion regarding your specific needs in a course. You may request reasonable accommodations at any time, however, ODA notices of reasonable accommodation should be provided as early as possible in the semester to avoid any delay in implementation. Note that students must obtain a new letter of reasonable accommodation for every semester and must meet with each faculty member prior to implementation in each class. Students are strongly encouraged to deliver letters of reasonable accommodation during faculty office hours or by
appointment. Faculty members have the authority to ask students to discuss such letters during their
designated office hours to protect the privacy of the student. For additional information see the Office of
Disability Accommodation website at http://disability.unt.edu/. You may also contact them by phone
at 940.565.4323.

Important Notice for F-1 Students taking Distance Education Courses

Federal Regulation

To read detailed Immigration and Customs Enforcement regulations for F-1 students taking online
specific portion concerning distance education courses is located at Title 8 CFR 214.2 Paragraph

The paragraph reads:

(G) For F-1 students enrolled in classes for credit or classroom hours, no more than the equivalent of one
class or three credits per session, term, semester, trimester, or quarter may be counted toward the full
course of study requirement if the class is taken on-line or through distance education and does not
require the student's physical attendance for classes, examination or other purposes integral to completion
of the class. An on-line or distance education course is a course that is offered principally through the use
of television, audio, or computer transmission including open broadcast, closed circuit, cable, microwave,
or satellite, audio conferencing, or computer conferencing. If the F-1 student's course of study is in a
language study program, no on-line or distance education classes may be considered to count toward a
student's full course of study requirement.

University of North Texas Compliance

To comply with immigration regulations, an F-1 visa holder within the United States may need to engage
in an on-campus experiential component for this course. This component (which must be approved in
advance by the instructor) can include activities such as taking an on-campus exam, participating in an
on-campus lecture or lab activity, or other on-campus experience integral to the completion of this course.

If such an on-campus activity is required, it is the student’s responsibility to do the following:

(1) Submit a written request to the instructor for an on-campus experiential component within one week
of the start of the course.
(2) Ensure that the activity on campus takes place and the instructor documents it in writing with a notice
sent to the International Student and Scholar Services Office. ISSS has a form available that you may use
for this purpose.

Because the decision may have serious immigration consequences, if an F-1 student is unsure about his or
her need to participate in an on-campus experiential component for this course, s/he should contact the
UNT International Student and Scholar Services Office (telephone 940-565-2195 or email
internationaladvising@unt.edu) to get clarification before the one-week deadline.
## WRITTEN GRADING GUIDE

NAME ____________________________ COURSE NAME _____________________

REPORT DATE _______ DUE DATE _______

PROJECT TITLE ______________________________________________________

<table>
<thead>
<tr>
<th>EVALUATION TOPIC</th>
<th>POSSIBLE POINTS</th>
<th>COMMENTS</th>
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<tr>
<td>1. Objective</td>
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<td>2. Diagrams</td>
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<td>3. Expected Results</td>
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<td>4. Original Data Sheets</td>
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<td>5. Analysis of Results</td>
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<td>6. Conclusions</td>
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<td>7. Supportive Data</td>
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<td>8. Comments</td>
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<tr>
<td>9. Professionalism signature</td>
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</table>

Composite Score ________

### EVALUATOR’S COMMENTS

________________________________________________________________________
________________________________________________________________________
________________________________________________________________________
________________________________________________________________________

Evaluator: _____________________________

Date completed: _______________________

CNET 4900-801 Syllabus