



Department of Engineering Technology

CNET 4900 Special Problem

Section 801 Credit Hour(s): 1

(3W1 Winter Session: Dec. 16, 2019 – Jan. 10, 2020) Syllabus

Meeting Times: As Needed
Meeting Room: NTDP F115G As Needed

INSTRUCTOR	Aloysius (Al) Attah, Ph.D., P.E.	EVALUATION	
OFFICE	NTDP F115G	Topic 1	10%
PHONE	(940) 565 – 2022	Topic 2	10%
E-MAIL	alloysius.attah@unt.edu	Topic 3	10%
Office Hours By appointment		Topic 4	10%
		Topic 5	10%
		Topic 6	10%
		Topic 7	10%
		Project Report	<u>30%</u>
		Total	100%
		Final Grade	
		90-100 = A	
		80-89 = B	
		70-79 = C	
		60-69 = D	
		0 – 59 = F	

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:
 - summarize the nature and objective of the project.
 - outline the process and timeline by which the project requirements will be completed
 - 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*

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

This course will adhere to UNT academic policies, including those for academic integrity (<http://vpaa.unt.edu/academic-integrity.htm>) and overall 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](tel: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 courses, please go to the Electronic Code of Federal Regulations website at <http://www.ecfr.gov/>. The specific portion concerning distance education courses is located at Title 8 CFR 214.2 Paragraph (f)(6)(i)(G).

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 _____

EVALUATION TOPIC	POSSIBLE POINTS	COMMENTS
1. Objective	10	_____
2. Diagrams	10	_____
3. Expected Results	10	_____
4. Original Data Sheets	20	_____
5. Analysis of Results	10	_____
6. Conclusions	10	_____
7. Supportive Data	10	_____
8. Comments	10	_____
9. Professionalism signature	10	_____

Composite Score _____

EVALUATOR'S COMMENTS

Evaluator: _____

Date completed: _____