

CET-1000 Introduction to Construction Engineering Technology**Co/Prerequisites:** None**Credit:** 1 Credit Hour

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 Office Hours: M 3:30-4:30, WR 10-11, R 2:00-4:00
 While you are always welcome to stop in when the office door is open, the degree to which it is open is the amount of welcome you will receive!
 Website: <http://cset.sp.utoledo.edu/~nkissoff/>

Class Times: Section 001 W 5:30pm to 6:45pm PL-2400
 Section 002 R 12:30 pm-1:45 pm PL-3020

Textbooks: Engineering News Record Magazine (ENR)

Course Description: An introduction to Construction Engineering by introducing career sectors, current topics, teamwork, safety and the curriculum in order to provide the freshman CET student with building blocks for success within the program.

Course Objectives: At the end of the course the student will possess:

1. An understanding of the role of Construction Engineering graduate in the industry and how the student's education fits into that place within the industry.
2. An appreciation of current trends in engineering and construction.
3. An appreciation for engineering ethics and professionalism.
4. A knowledge of basic construction safety practices.
5. A knowledge of the CET quality control practices required in team projects.
6. An appreciation for the roles required in teamwork.
7. A knowledge of basic communication procedures within the program and construction industry.

Grade Breakdown:	Weekly Quizzes	45%
	Assignments	25%
	Attendance	15%
	Final Bridge Project	<u>15%</u>
	Total	100%

Grading Scale:	A	100 –93
	A-	92 - 90
	B+	89 – 87
	B	86 – 83
	B-	82 - 80
	C+	79 – 77
	C	76 – 73
	C-	72 - 70
	D+	69 – 67
	D	66 - 63
	D-	62 – 60
	F	Below 60

Typical Class: Each class session will follow a general schedule as follows:

- Attendance check & Assignment Submittal (No submittals will be accepted at the end of class.)
- Ask Dr. K: (Open questions for the Doc)
- Weekly Lesson. (No Studying/Reading ENR in class.)
- Weekly ENR responsibility & other assignments discussion.
- Weekly ENR/Class Quiz.

Instructional Methods:

Lectures with transparencies, handouts and discussions.

Note: Students should expect to have additional work outside of scheduled class times to complete assignments.

Handouts:

A minimum amount handouts will be given in class. Most of the class handouts will be available at the course website at the address shown above. It is the student's responsibility to print the required handouts for each class and have them on hand for your own benefit. While the handouts are on the web, **this does not remove you from your obligation of attending lectures.**

ENR Magazine:

The text for this course, Engineering News Record (ENR) magazine, will be made available to the class at the student subscription price of \$30 for six months of weekly issues. The magazine will be shipped in bulk to the instructor's office who will distribute them in class at the appropriate time each week.

You are required to reimburse the instructor for the subscription.

Failure to pay the instructor will result in AN INCOMPLETE GRADE FOR the course!!! The first class section to have every student paid will win a special bonus!! Each student will be given quiz bonus points inversely proportional to the number of weeks it takes them to pay (5 points max to -10 points min).

Read the assigned material prior to the next class (not in class which will result in a 5 point penalty for that quiz). Due to the delivery of ENR magazine just prior to class, the reading assignment will generally not be known until the day of the class. Weekly assignments and/or quizzes will be assigned from the

issue handed out in class over the duration of the semester. The quizzes will usually be closed book (but sometimes may be open so bring last week's issue to class!). No make-up quizzes will be given for those missed due to absence from the class.

Preliminary Schedule:

<u>Week</u>	<u>Date</u>	<u>Class Topic</u>
1	W 8-26 R 8-27	Introduction to Class, Being an ET student
2	W 9-2 R 9-3	Construction Management Sector
3	W 9-9 R 9-10	Engineering Design Sector
4	W 9-16 R 9-17	Agencies & Suppliers Sector
5	W 9-23 R 9-24	CET Flowchart & Spring 2009 Registration Orientation
6	W 9-30 R 10-1	Co-op and Professional Registration
7	W 10-7 R 10-8	Construction Safety
8	W 10-14 R 10-15	OCA Contractor for a Day Program or Guest Speaker
9	W 10-21 R 10-22	Minors & Masters
10	W 10-28 R 10-29	Ethics & Professionalism
11	W 11-4 R 11-5	Bridge Contest Assignment
12	W 11-11 R 11-12	No Class – Veteran's Day (Both Sections)
13	W 11-18 R 11-19	Technical Communications
14	W 11-25 R 11-26	No Class – Thanksgiving Break
15	W 12-2 R 12-3	Design Documentation
16	W 12-9 R 12-10	Class Review

Bridge Loading

Section 001 - Weds. Dec 16, 2009 5:00 -7:00
Section 002 - Weds. Dec 16, 2009 2:45-4:45

OCA Contractor For a Day:

Students will be provided the opportunity to attend the Ohio Contractors Association Contractor for a Day program on or about Wednesday, Oct. 14, 2009. This is an all day event at which you will tour local construction sites with construction professionals and be their guest for their NW Ohio Fall meeting. That week, you will either need to attend the OCA event and show documentation

that you were there, or attend the regularly scheduled class session. Failure to do so will result in an unexcused absence.

Seminar Bonuses: Students can submit vouchers received from attending new student seminars which will act as a perfect score for a low or missing quiz grade on a one to one basis for up to two quizzes over the semester.

LEC Olympiad

These 50 minute workshops will help you get the most out of your first year at UT. The workshops scheduled this fall semester are :

Monday, Sept. 21- Thursday, Sept. 24: SU 2592

A listing of events, times and locations is available online at:
http://www.utoledo.edu/utlc/lec/support_programs/olympiad.html

Life @ College

Student Affairs and the UT Student Rec Center offer healthy lifestyle programs in multiple 50 minute offerings throughout the weeks listed below:

September 14 - 18, 2009 life @ college Part I

October 12 - 16, 2009 life @ college Part II

Attendance Rules: Attendance in class is mandatory and is a part of your class grade, with points deducted from your final grade total for unexcused absences. Excused absences will be taken into consideration provided the required documentation is submitted as follows:

Student Serious Illness: Physicians note required.

Traffic Accident: Police report required.

Vehicle Malfunction: Tow Truck receipt required.

Jury Duty/Court Appearance: Court Summons required.

While excused absences will not count against a student's grade, it will be the student's responsibility to acquire all missed class material, notes and assignments from classmates or the class website. ENR will be available for students to pick up at the instructor's office. No makeup quizzes will be given in the event of any absence. Students can attend the other section class session only with prior approval of the instructor.

Duplication & Academic Dishonesty:

Any attempt to duplicate or otherwise pass off another current or former classmate's assignment as your own through means such as (but not limited to) unauthorized copying of files, looking at neighbor's paper during a quiz or attaching submitting another's work with your name attached, **will result 1) on a first offense as a zero on the assignment, 2) on successive offenses in the failure of the class.** Please do your own work in order to learn the subject matter.

- Bridge Project:** In lieu of a final exam, students will form teams to construct bridges from balsa wood and compete with and against other teams in the two sections for 15% of their final grade. Rules for the bridge competition will be available later in the semester.
- Cell Phones:** While cell phones are sometimes necessary for contact in emergency situations, please put your phone on silent/page or turn it off for class. Constant interruptions are disturbing to the class and if not pre-approved by the instructor will be cause for a reduction in your grade. Additionally, text messaging from your cell phone during class is strictly prohibited. Your attention should be directed toward the class and not other distractions. Any student found text messaging during class will be asked to leave that day's class and a 10% (one letter grade) penalty will be assessed to that student's final grade. No exceptions.
- Class Etiquette:** Students are expected to conduct themselves in a manner which is conducive to learning for themselves and others. Disruptive behavior is not acceptable and may affect a student's final grade, or in severe cases result in a student being removed from class.
- Academic Accommodations:** "Consistent with the Rehabilitation Act of 1973 and the Americans with Disabilities Act of 1990, if a student feels that he/she has a disability and requires special accommodations of any nature. The instructor will work with the student and The University of Toledo Office of Accessibility (Snyder Memorial 1400)) to provide reasonable accommodations to ensure a fair opportunity to perform in this class. Please advise the instructor of such disability and the desired accommodations within the first week of class."
- Escort Service:** If any student desires an escort to their vehicle after class, they are directed to call 530-3024 for this service.
- Other Important Dates:**
August 28, 2009 – Last day to Add/Drop (Full Refund)
September 8, 2009 – Last day to Drop (60% Refund)
October 30, 2009 – Last day to Withdraw
If you don't drop on your own by October 30, you will be graded in the class (and most likely with an F if you haven't been attending).
- A Final Word:** You are expected to attend every class and make an honest effort in the class and on your own time. Honest effort is always positively rewarded. The instructor can not be expected to rehash and re-teach the entire session(s) that you missed in special sessions just for you. The instructor is also not responsible for reminding and prodding students to turn in assignments when due dates are nearing. This is college and responsibility is part of the lessons that we are learning.