

**Oklahoma State University Institute of Technology**  
**Course Syllabus**  
**Summer 2018**

**CET 3543 - FE REVIEW**

This course prepares students for the Fundamentals of Engineering Examination. Students apply their knowledge of both the civil and general engineering portions of the exam by reviewing problems and testing on these topics in the same manner as the FE exam.

Online Theory.

Credit Hours: 3; Total hours of theory per semester: 45; Total hours of lab for the semester: 0;

**Prerequisites:** Classification as a senior.

**Instructor:** Aliasghar Ghadimkhani, PhD, PE

**Phone:** (918) 293-5371

**Office:** DWRT Bldg., Rm. 149

**Email:** [a.ghadimkhani@okstate.edu](mailto:a.ghadimkhani@okstate.edu)

**Instructor's Office Hours:** TR 9:30 – 11:30pm CST or by appointment.

**Division Name:** Engineering Technologies

Division Phone: (918) 293 - 5150

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Should you email questions or try to make contact, please allow up to 48 business hours for response time. If you have not heard back in 48 hours please check back with me. I typically will respond much faster but do not let unresolved questions go unanswered.

**REQUIRED TEXT, REFERENCES, AND MATERIALS**

**Texts:** NCEES Reference Book (free download)

**References:** None

**Materials:** Ampad Engineer's Computation Pad, NCEES Approved Calculator, Notebook, Pen or pencils.

**Uniform/Tools:** None

**Estimated Cost for Materials:** \$ 25.00

**Estimated Cost for Uniform/Tools:** None

**There is no homework in this course, only a series of quizzes and final exams. It will be vital that you take the quizzes in the allotted time frame as they are worth 50% of your grade.**

**SPECIFIC GOALS OF THE COURSE**

<b>PERFORMANCE CRITERIA</b>	<b>ASSESSMENT</b>
Consider the procedure for being licensed, which involves continuing education past graduation.	Quiz
Decide the correct response to questions regarding ethics.	Quiz
Decide the correct response to questions regarding math.	Quiz
Decide the correct response to questions regarding civil specific topics.	Exams*

**GRADES WILL BE BASED ON THE QUALITY AND COMPLETION OF THESE TASKS:**

Class Quizzes..... 50%  
Final Exams.....40%  
Participation .....10%

OSU-Okmulgee Grading Scale
A = 90.00 - 100.00
B = 80.00 - 89.99
C = 70.00 - 79.99
D = 60.00 - 69.99
F = 00.00 - 59.99

\* A 20% (minimum) curve is given in this class, due to the difficulty of the quizzes, and the fact that approximately 70% is “passing” on the actual exam. A 70% in this course is a guaranteed “A” grade.

**AMERICANS WITH DISABILITIES ACT (ADA)**

According to the Americans with Disabilities Act, each student with a disability is responsible for notifying the University of his/her disability and requesting accommodations. If you think you have a qualified disability and need special accommodations, you should notify the instructor and request verification of eligibility for accommodations from the Office of Academic Accommodations/LASSO Center. Please advise the instructor of your disability as soon as possible, and contact The LASSO Center, to ensure timely implementation of appropriate accommodations. Faculty have an obligation to respond when they receive official notice of a disability but are under no obligation to provide retroactive accommodations. To receive services, you must submit appropriate documentation and complete an intake process during which the existence of a qualified disability is verified and reasonable accommodations are identified. The LASSO Center is located on the 3rd floor of the Noble Center. You may call 918.293.4855 for more information or fax documentation to 918.293.4853.

**ACADEMIC DISHONESTY**

Academic dishonesty or misconduct is neither condoned nor tolerated at OSUIT. Any student found guilty of academic dishonesty or misconduct shall be subject to disciplinary action. Academic dishonesty and/or misconduct includes, but is not limited to, the following actions: (1) Plagiarism: the representation of previously written, published, or creative work as one’s own; (2) Unauthorized collaboration on projects; (3) Cheating on examinations; (4) Unauthorized advance access to exams; (5) Fraudulent alteration of academic materials; (6) Knowing cooperation with another person in an academically dishonest undertaking. Students are required to actively protect their work against misuse by others. For details, refer to The OSUIT Student Handbook (Student Rights and Responsibilities Governing Student Behavior) available online at [http://www.osuit.edu/academics/forms/student\\_rights\\_responsibility.pdf](http://www.osuit.edu/academics/forms/student_rights_responsibility.pdf).

### **Attendance Policy for Online courses:**

A primary component of OSUIT's Mission is: “*to prepare and sustain a diverse student body as competitive members of a world-class workforce.*” Regular and consistent attendance not only aids in academic success, dependable attendance is a requirement in today's real-world employment; therefore, regular and consistent attendance is a requirement in all OSUIT courses.

### **Definition:**

Absent: Failing to *actively participate* in online coursework during a standard week timeframe for a given course.

- A. Students must demonstrate attendance through *active participation* in the course at least once every seven days. Simply logging into the course does not constitute active participation.
- B. Active participation is defined as the completion of required activities such as:
  1. Completion of online quizzes or exams
  2. Submission of assignments
  3. Participation threaded discussions, or
  4. Involvement in discussion question as determined by the instructor and indicated in the course syllabus.
- C. Calculations for weekly to percentage ratios
  1. Missing 1 of 15 weeks = 6.67%
  2. Missing 2 of 15 weeks = 13.33%
  3. Missing 3 of 15 weeks = 20%
  4. Missing 1 of 7.5 weeks = 13.33%
  5. Missing 1.5 of 7.5 weeks = 20%

### **Procedures:**

Early Intervention:

- A. Any student who misses 10% of an individual course (or earlier at faculty discretion) during a regular fifteen-week semester, or the equivalent portion of time in a shorter session, will have their name submitted by that course instructor to the OSUIT Early Alert System for retention intervention.
- B. At the point the Early Alert is issued, the student *must* meet with their assigned faculty advisor or designated faculty/staff member within seven (7) academic calendar days for counseling on how to improve their attendance and academic success.

Excessive Absences:

- A. The University reserves the right to administratively withdraw any student from an individual course who misses 20% of that course, whether excused or unexcused, and, in

the opinion of the instructor, the student does not have a reasonable opportunity to be successful in the course.

- B. Students should be aware any of the following may impact their financial aid:
1. being administratively withdrawn from a course
  2. dropping a course
  3. their last date of attendance in a course

Please see OSUIT Policy 2-021 for full details and procedures.

## Quizzes

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- CET-3543-40029 - F. E. Exam Review  
**Intro Quiz- Requires Respondus LockDown Browser - Availability Ends**  
May 10, 2018 11:30 PM

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  - **Q4 Ethics- Requires Respondus LockDown Browser - Availability Ends**  
CET-3543-40029 - F. E. Exam Review  
**Q4 Ethics- Requires Respondus LockDown Browser - Availability Ends**  
May 12, 2018 11:30 PM

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  - **Q2 Probability and Statistics- Requires Respondus LockDown Browser - Availability Ends**  
CET-3543-40029 - F. E. Exam Review  
**Q2 Probability and Statistics- Requires Respondus LockDown Browser - Availability Ends**  
May 17, 2018 11:30 PM

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  - **Q1 Math- Requires Respondus LockDown Browser - Availability Ends**  
CET-3543-40029 - F. E. Exam Review  
**Q1 Math- Requires Respondus LockDown Browser - Availability Ends**  
May 18, 2018 2:27 PM

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  - **Q3 Computers- Requires Respondus LockDown Browser - Availability Ends**  
CET-3543-40029 - F. E. Exam Review  
**Q3 Computers- Requires Respondus LockDown Browser - Availability Ends**  
May 22, 2018 11:30 PM

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  - **Q10 Fluids- Requires Respondus LockDown Browser - Availability Ends**  
CET-3543-40029 - F. E. Exam Review  
**Q10 Fluids- Requires Respondus LockDown Browser - Availability Ends**  
Jul 16, 2018 11:30 PM

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  - **Q11 Hydraulics- Requires Respondus LockDown Browser - Availability Ends**  
CET-3543-40029 - F. E. Exam Review  
**Q11 Hydraulics- Requires Respondus LockDown Browser - Availability Ends**  
Jul 16, 2018 11:30 PM

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  - **Q12 Structural Analysis- Requires Respondus LockDown Browser - Availability Ends**  
CET-3543-40029 - F. E. Exam Review  
**Q12 Structural Analysis- Requires Respondus LockDown Browser - Availability Ends**  
Jul 16, 2018 11:30 PM

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  - **Q5 Economics- Requires Respondus LockDown Browser - Availability Ends**  
CET-3543-40029 - F. E. Exam Review  
**Q5 Economics- Requires Respondus LockDown Browser - Availability Ends**  
Jul 23, 2018 11:30 PM

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  - **Q6 Statics- Requires Respondus LockDown Browser - Availability Ends**

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CET-3543-40029 - F. E. Exam Review

**Q6 Statics- Requires Respondus LockDown Browser - Availability Ends**

Jul 23, 2018 11:30 PM

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**Q7 Dynamics- Requires Respondus LockDown Browser - Availability Ends**

CET-3543-40029 - F. E. Exam Review

**Q7 Dynamics- Requires Respondus LockDown Browser - Availability Ends**

Jul 23, 2018 11:30 PM

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**Q8 Strength of Materials- Requires Respondus LockDown Browser - Availability Ends**

CET-3543-40029 - F. E. Exam Review

**Q8 Strength of Materials- Requires Respondus LockDown Browser - Availability Ends**

Jul 23, 2018 11:30 PM

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**Q9 Materials- Requires Respondus LockDown Browser - Availability Ends**

CET-3543-40029 - F. E. Exam Review

**Q9 Materials- Requires Respondus LockDown Browser - Availability Ends**

Jul 23, 2018 11:30 PM

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**Q13 Structural Deisgn- Requires Respondus LockDown Browser - Availability Ends**

CET-3543-40029 - F. E. Exam Review

**Q13 Structural Deisgn- Requires Respondus LockDown Browser - Availability Ends**

Jul 23, 2018 11:30 PM

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**Q15 Transportation- Requires Respondus LockDown Browser - Availability Ends**

CET-3543-40029 - F. E. Exam Review

**Q15 Transportation- Requires Respondus LockDown Browser - Availability Ends**

Jul 30, 2018 11:30 PM

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**Q16 Environmental- Requires Respondus LockDown Browser - Availability Ends**

CET-3543-40029 - F. E. Exam Review

**Q16 Environmental- Requires Respondus LockDown Browser - Availability Ends**

Jul 30, 2018 11:30 PM

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**Q17 Construction- Requires Respondus LockDown Browser - Availability Ends**

CET-3543-40029 - F. E. Exam Review

**Q17 Construction- Requires Respondus LockDown Browser - Availability Ends**

Aug 6, 2018 11:30 PM

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**Q18 Surveying- Requires Respondus LockDown Browser - Availability Ends**

CET-3543-40029 - F. E. Exam Review

**Q18 Surveying- Requires Respondus LockDown Browser - Availability Ends**

Aug 6, 2018 11:30 PM

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**Final 1- Requires Respondus LockDown Browser - Availability Ends**

CET-3543-40029 - F. E. Exam Review

**Final 1- Requires Respondus LockDown Browser - Availability Ends**

Aug 13, 2018 11:30 PM