
Fundamentals of Engineering (FE) Mechanical CBT Exam Preparation Course

Duration: 40+ Hours, Live, In-Person

Lead Instructor: Dr. Sri Susarla, Ph.D., PE, MBA

Course Description

This 40-hour, live, in-person, FE Review Course is designed to prepare examinees for the FE Mechanical, 6-hour, 110 multiple-choice question, CBT, computer-based test. The course spans over all fifteen (15) subject areas that are covered in the test. These fifteen subjects are covered in the course through five (5) 8-hour sessions.

Exam preparation and exam taking strategies are covered in the first class to maximize the exam preparation efficiency and the probability of success in the exam. Classes are held live, in-person, at convenient location near you. See the location section below. What distinguishes the Sem-Train FE ME course from others are the handouts/notes, the sample exam, and the experience of the instructor. See the testimonials. Each participant will be able to contact the instructor – with questions related to the material covered in the class – for a period of sixty (60) days after commencement of the course.

Even though a short introduction to engineering principles and concepts is provided on most topics covered in this course, ***this course focuses heavily on problem solving and the type of questions likely to be encountered in the exam.*** All lectures are based on Microsoft ® PPT slides and the NCEES ® FE Reference Handbook. As problem solving techniques are reviewed in the class and practiced by candidates, continuous reference to the information, data and formulas in the NCEES ® FE Reference Handbook is essential for enhancing examinees handbook navigation skills, since NCEES ® FE Reference Handbook will be the only reference available to the examinees – in electronic format – during the exam.

Course Material

The course material components required or recommended for comprehensive preparation with this course consists of a combination of handouts provided by Sem-Train and books that are to be acquired by the registrant:

- Instructor's course handouts - consisting mostly of problems with relevance and pertinence to the exam, covering 15 topics, provided in electronic PDF format, via Dropbox. ***Required. Provided free of charge to every registrant.***

- CBT Exam Demo. View at <http://pearsonvue.com/demo/> - Sponsored by NCEES, *Free of Charge*.
- Softcopy (PDF format) of the FE Reference Handbook, 9.4 edition. *Required. Free of Charge*. Obtain through: <https://account.ncees.org/login>
- Hardcopy of the FE Reference Handbook, 9.4 edition. *Recommended, unless registrant prints the softcopy to follow along in the class*. Obtain through <https://account.ncees.org/exam-prep/> . Est. Cost: \$15.00
- FE Mechanical Practice Exam. *Required*. Obtain through <https://account.ncees.org/exam-prep/> . Est. Cost: \$29.95.
- Brightwood/Kaplan FE Mechanical Review Manual, Listed for less than \$150. *Recommended for candidates who are “rusty,” graduated a long time ago, and do not have access to their college text-books.*

Who should attend:

- **FE ME** exam candidates who have not attempted the exam before and are interested in improving their chances of passing in the first try.
- **FE ME** exam candidates who graduated over five years ago and are interested in improving their chances of passing in the first try.
- Those **FE ME** exam candidates who have not succeeded in their previous attempt/Attempts to pass the exam. The instructor will help to analyze the diagnostics report to address strengths and weaknesses to help prepare for the exam

Schedule:

- Five (8-hour) class sessions - on Saturdays.
- Time devoted to each topic is stated in the syllabus – available at the website as a separate document.

Syllabus:

- Click on the “Syllabus” icon under the FE ME tab.
- Time allocation to each topic during classes is premised on the number of questions listed on the NCEES examspecifications.

Location:

- The classess will be held at a location in Northern Virginia, close to a metro station, with free parking, close to local shopping area.
- Suitable for participants living in MD, VA, PA, DE and DC areas.

Instructor Bio:

Sri Susarla, Ph.D., PE, MBA, has Masters and Doctoral Degrees in Chemical and Environmental Engineering and Masters in Business Administration from George Washington University, Washington DC USA. Dr. Sri has more than 20 years of experience in training students for engineering certifications and project management certification (PMP) throughout US and overseas. Dr. Sri's teaching methods are very innovative and engages students throughout the training. He is well liked by his students and highly respected in the teaching community.

Dr. Susarla's FE and PE Exam preparation experience is as follows:

- Corporate FE and PE classes in the U.S. include sessions at:
 - The San Onofre Nuclear Generation Station in San Clemente, CA,
 - Southern Company in Birmingham, AL,
 - Potomac Electric and Power Company in Washington, DC,
 - Shell Oil in Hammond, LA.

- UMBC Training Centers-FE Instructor-2006-Present
- UMBC Training Centers-PE Instructor 2006-Present
- PEPCO Energy Company, Washington, 2006-2009
- Shell Oil Company, New Orleans, Louisiana, FE Instruction 2010-Present
- FE Other Disciplines course for Saudi Aramco in Al-Jubail
- FE Morning and Afternoon Other Discipline topics at Umm Al-Qura University, KSA.
- FE Morning and Afternoon Other Discipline topics at Sabic - Hadeed in Al-Jubail, KSA
- Online FE Morning and Afternoon Other Disciplines and Afternoon Electrical courses for Umm Al-Qura University, KSA
- FE-Environmental Exam Preparation Saudi Aramco, Dahrahn, 2010
- PE-Environmental Exam preparation, Saudi Aramco, Dahrahn, 2011

Testimonials from former students and FE/PE candidates:

- 1) **Minelly:** Thank you so much Sri for all of your help for the past couple months! You're an amazing instructor!

- 2) **S. Constantinou:** Thank you!!! I really appreciate you taking the time out and teaching the review class. You clarified a lot of the material that seemed a bit confusing prior to taking the class and I learned a lot about the exam that I did not know about before.

3) **Durant:** I wanted to write a quick note to say Thank You once again. I received a passing score on my FE Exam. I really appreciated the effort you put into the class and the confidence you instilled.

4) **J. Sadowski:** I would like to take the time to thank you for all of the help you have given the entire class in preparation for the morning session of the FE/EIT Exam. I would like to personally thank you for all of the help you have given me, along with all of the extra time spent answering questions about the exam. I believe in your method of teaching, and your extensive knowledge of the Exam.

5) **B. Lewis:** I wanted to let you know that I passed the FE Exam. I also want to thank you for your class and all of the help and resources that you provided. I will definitely recommend your class and personal business to my friends who may be taking the exam.

6) **A. Silveira:** I just wanted to take a second this morning and thank you for all of your help I have passed the April 2013 FE Exam, thank you. This was my third attempt ...you answered all my questions, your plan works and I can't thank you enough....I have been out of school for 5 years... it was tough, but hard work and dedication paid off.

See other testimonials at our website.

“SemTrain, LLC, is an approved sponsor and course provider with NY, NYSED, Maryland, NCBELS, North Carolina Board of Examiners for Engineers, New Jersey, and FBPE, Florida Board of Professional Engineers, for the provision of CPC, Continuing Professional Competency, courses.”

“SemTrain, LLC, is approved for US Federal Government Contract Work, and is SAM and CAGE registered.

Important Notes for Registrants:

- In order to enhance the learning experience, the class size is limited – register early.
- Courses are subject to cancellation if the minimum registration threshold is not met. Registration fees will be refunded in entirety if a seminar is cancelled.
- Name on the attendance certificate will be as it appears on the registration documents. Please Note: If an admin associate registers you, have them enter YOUR name on the registration/payment form.
- The handouts for the course will be provided via “Drop Box.”

Lead Instructor's Phone: (703) 915-1718. *Note: Interested, potential, attendees are encouraged to call the instructor, directly, with course related questions.*

Cancellation Policy: Full refund granted if registration is cancelled **40 days** or more prior to the scheduled date of the seminar; otherwise, registrant can apply the course credit toward participation in another, scheduled, equivalent event, at a later date. Sem-Train, LLC, reserves the right to cancel the course when minimum registration threshold is not met. In such case, ***Sem-Train, LLC, will issue full refund to the registrant.*** Registrants, in some cases, may be given the option to attend an equivalent course at a later date.

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