

Fundamentals of Engineering **(Engineer-In-Training)**

Review Workshop Spring 2010

Tentative Schedule and General Guidelines

The Fundamentals of Engineering, FE, previously known as the Engineer-In-Training, EIT, review workshop is designed as a review course and thus it is not intended to replace the necessity of taking the courses in an engineering school or college. The workshop is a 50-hour 10-week workshop catering to the needs of the new format.

The subject matter will be reviewed in a **fast** format and will be represented in the following sequence:

Date	Material	Instructor
January 9, 2010	Introduction, Statics	N. Dermendjian
January 16, 2010	Mechanics of Materials	N. Dermendjian
January 23, 2010	Dynamics	N. Dermendjian
January 30, 2010	Mathematics	N. Dermendjian
February 6, 2010	Mathematics	E. Dombourian
February 13, 2010	Material Science/Structure of Matter	T. Shraibati
February 20, 2010 Morning Afternoon	Engineering Economics Chemistry	G. Elias T. Shraibati
February 27, 2010	Thermodynamics	R. Ryan
March 6, 2010	Electrical Circuits and Networks	B. Mallard
March 13, 2010 Morning Afternoon	Fluid Mechanics Statics/Mechanics/Dynamics	R. Ryan N. Dermendjian
April 17, 2010	State of California FE Exam	

Note that the morning sessions start at 9:00AM and end at 12:00 noon, and the afternoon sessions start at 1:00PM and end at 3:00PM.

The deadline to apply for the April 17th, 2010 exam is January 29th, 2010. An application form may be requested by contacting the Board of Registration by visiting www.dca.ca.gov/pels . Any application postmarked after January 29th, 2010 will be processed for the October 2010 exam.

The FE/EIT exam is an eight-hour exam divided into two 4-hour portions: the Morning session and the Afternoon session. The two sessions are separated by 1-hour lunch break. The Morning session has 120 multiple-choice questions. Each question is worth 1 point. The afternoon session consists of 60 questions and each question is worth 2 points. The subject matters and number of questions of each material is given in the text.

The afternoon session covers a General exam as well as Discipline Specific exam. All test takers must take the general morning exam but have a choice of six exams in the afternoon session: chemical, civil, electrical, industrial, mechanical and general. The subjects for the Discipline Specific exams are shown in the text.

The recommended instructional materials for the seminar:

- 1) FE Review Manual, by Michael R. Lindeburg, Professional Publications
- 2) FE/EIT Sample Examinations by Michael R. Lindeburg, Professional Publications

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