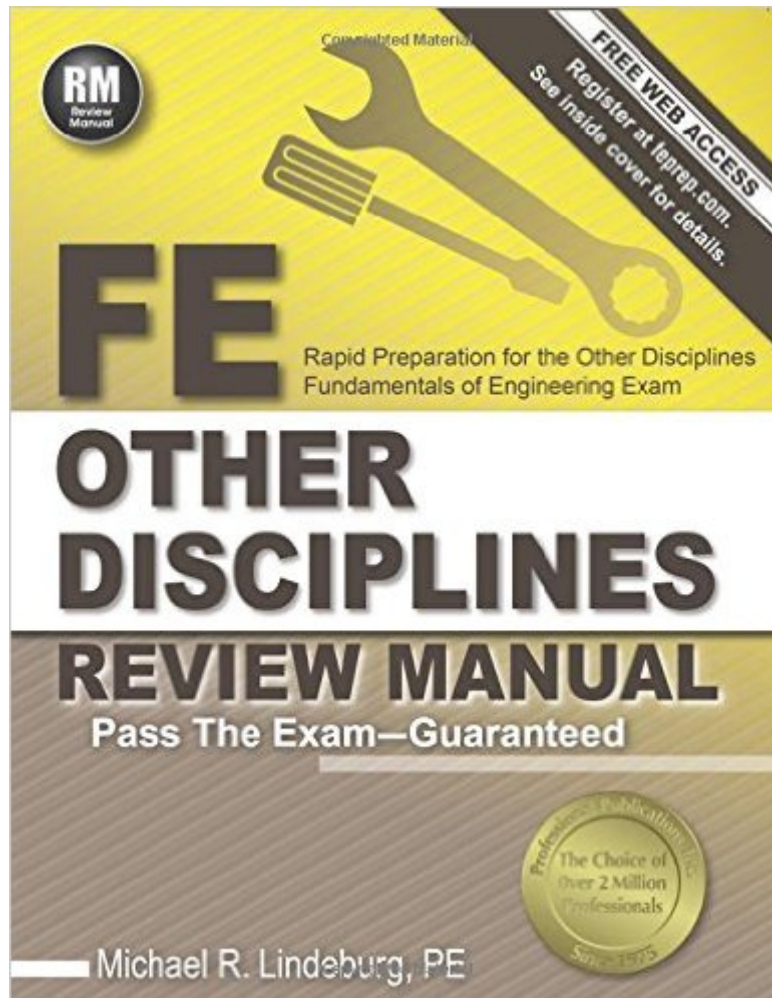


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# FE Other Disciplines Review Manual



## Synopsis

The Most Comprehensive Book for the Computer-Based FE Other Disciplines Exam The FE Other Disciplines Review Manual offers complete coverage of FE Other Disciplines exam knowledge areas and the relevant elements—equations, figures, and tables—from the NCEES FE Reference Handbook. With 14 mini-exams to assess your grasp of the exam’s knowledge areas, and concise explanations of thousands of equations and hundreds of figures and tables, the Review Manual contains everything you need to succeed on the FE Other Disciplines exam. The Review Manual organizes the Handbook elements logically, grouping related concepts that the Handbook has in disparate locations. All Handbook elements are shown in blue for easy identification. Equations, and their associated variations and values, are clearly presented. Descriptions are succinct and supported by exam-like example problems, with step-by-step solutions to reinforce the theory and application of fundamental concepts. Thousands of terms are indexed to facilitate cross-referencing. If you are preparing for a different FE exam, choose Michael R. Lindeburg, PE’s FE Civil Review Manual, FE Electrical and Computer Review Manual, FE Mechanical Review Manual, or FE Review Manual. Topics Covered Chemistry Dynamics Electricity, Power, and Magnetism Engineering Economics Ethics and Professional Practice Fluid Mechanics and Dynamics of Gases and Liquids Heat, Mass, and Energy Transfer Instrumentation and Data Acquisition Materials Science Mathematics and Advanced Engineering Mathematics Probability and Statistics Safety, Health, and Environment Statics Strength of Materials To augment your review, pair your FE Other Disciplines Review Manual with PPI’s FE Other Disciplines Practice Problems book. It contains more than 320 multiple choice problems designed to be solved in three minutes or less. This book follows the FE Other Disciplines Review Manual in chapter sequence, nomenclature, terminology, and methodology, so you can easily find clear explanations of topics where you need more support. Both products are part of PPI’s integrated review program available at [feprep.com](http://feprep.com). Don’t miss Other Disciplines FE exam tips, FAQs, digital review products, and more at [ppi2pass.com](http://ppi2pass.com) and [feprep.com](http://feprep.com).

## Book Information

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## Customer Reviews

ISBN 159126443X (FE Other Disciplines Review Manual (ODRM), 1st ed.) is a quite comprehensive and methodical step-by-step guide addressing all the aspects of the NCEES FE (Fundamentals of Engineering) computer-based testing. The NCEES exam outline is in the FE Reference Handbook (RH) free for downloading and urged to be studied. A searchable, electronic copy of RH will be displayed on the monitor during the exam. 14 separate areas are extensively covered in this ODRM to review the preparation for the testing through 14 mini exams, one per each covered areas of knowledge, as chemistry, dynamics, statics, etc. The content is full of mathematical formulas incl. the RH's equations highlighted, well as schematics, diagrams, tables, etc. on high graphical level in black, white and blue. The content of its 656 large pages is clearly divided into 14 parts and 48 chapters. Each diagnostic exam on several pages is followed by explanatory summary with practice quizzes called examples. The sub-chapters are clearly divided into paragraphs in a graphically appealing form. The sub-chapter titles and subtitles are boldfaced in blue and their content often highlighted also in blue. This graphically enhanced structure allows to easier grasp the pages at 1st glance. After the initial reading, the emphasized parts can be skimmed through just for warming up. The front pastedown (endpaper) contains an access code to the Web interactive version of the book with updates to more practice online on the companion website. Approx. 79 pages of the book incl. index are shown by the .com's "LOOK INSIDE!" function. What cannot be seen is that the book is well printed on excellent paper, and the flimsy soft covers, which are unfortunately typical for the series, are prone to creasing. However, it could be expect that a \$200 book is hardbound to preserve its value over a longer period.

I passed the FE exam using this book and the accompanying review problems by same author. I also watched some online videos posted by Texas A & M that anyone can access from an internet search. I HIGHLY recommend getting the book of review PROBLEMS in addition to this review MANUAL because you will need to practice working problems out. The review manual and

SEPARATE review problems prepared me well for the exam.

The book does well in some aspects, but leaves something to be desired in others. While reading the review and the doing the example problems is fine, the real issue with this book arises when it comes to doing the practice problems (FE Other Disciplines Practice Problems) for each chapter. Some important/useful tidbits of information are left out which makes this book pale in comparison to the textbooks I would have (or have) acquired in college. My most recent issue is: moments are not dependent on distance/length for other moments to obtain equilibrium (taken from the solution of practice problem 5 in chapter 7 of the practice problems book). The review manual makes no reference to the distance dependency whatsoever when it comes to achieving equilibrium. In general, I believe that if it's to be called a review manual it should go into a bit more detail on certain topics. It's not that helpful if it glosses over some information where you'll need to look it up somewhere else (book or Internet) when I could have done that just by reading over the reference handbook and practice/prep material (e.g., problems and test(s)) without spending \$200 on this book. Maybe the issues I'm facing wouldn't be what they are if I was doing this while I was still in college and not 1.5 years after graduating (having not done any of this material since then), but I feel like they should be addressed.

Came surprisingly quick (less than 2 weeks) and in great condition. Very helpful review material and makes me feel confident in my probability of passing the FE exam. Pages are a tad thin though (found this out using a highlighter).

Bought in conjunction with the Lindeburg Practice Problems and the TI-36X Pro calculator. Passed test my first attempt, would highly recommend. I took the NCEES practice exam from the official FE website and made a 60 on it but still passed thanks to this review guide. I took every "summary diagnostic exam" the two days before the test, really helped. The only sections I didn't feel prepared for was circuits and dynamics, however, I did not take either course in college so that plays a big part.

I am not a beginning engineer seeking to fulfill the Fundamentals of Engineering exam, but this handbook seems adequate for this purpose. Brief explanations of each area are provided along with a solved problem of each type in the exam. A separate workbook with multiple solved problems is available. I am a computer systems person and sought this volume to improve my maker and

technical skills in several areas one can indeed obtain a smattering of knowledge by paging through the contents in a variety of engineering and mathematical areas. But there is neither a lengthy summary of each engineering area, nor a variety of solved problem, just one of each type.

Generous use of graphics in questions with answers/solutions to follow. Well written and coherent - covers these subjects: Table of contents: preface â “ acknowledgments - codes and references used to prepare this book - Introduction, units - mathematics and advanced engineering mathematics - Probability and statistics â “ Statics - dynamics, strength of materials - Materials science - fluid mechanics and dynamics of gases and liquids - Heat, mass, and energy transfer â “ chemistry - Electricity, power, and magnetism - instrumentation and data acquisition - Safety health and environment, engineering economics, Ethics and professional practice, index.

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