

## Bedford Fowler Engineering Mechanics

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Bedford Fowler Engineering Mechanics

Winter : MTWF 9:00-9:50; 10:00-10:50; 11:00-11:50; 12:00-12:50; 2:00-2:50 (Lab: TBD) ; Staff Spring : MTWF 12:00-12:50 (Lab: TBD) ; Alarcon Linear algebra and ...

For introductory dynamics courses found in mechanical engineering, civil engineering, aeronautical engineering, and engineering mechanics departments. Better enables students to learn challenging material through effective, efficient examples and explanations.

This textbook teaches students the basic mechanical behaviour of materials at rest (statics), while developing their mastery of engineering methods of analysing and solving problems.

This textbook is designed for introductory statics courses found in mechanical engineering, civil engineering, aeronautical engineering, and engineering mechanics departments. It better enables students to learn challenging material through effective, efficient examples and explanations.

For introductory mechanics courses found in mechanical engineering, civil engineering, aeronautical engineering, and engineering mechanics departments. Better enables students to learn challenging material through effective, efficient examples and explanations.

"An introduction to engineering mechanics that offers carefully balanced, authoritative coverage of statics. The authors use a Strategy-Solution-Discussion method for problem solving that explains how to approach problems, solve them, and critically judge the results. The book stresses the importance of visual analysis, especially the use of free-body diagrams. Incisive applications place engineering mechanics in the context of practice with examples from many fields of engineering." (Midwest).

This volume offers a concise presentation of engineering mechanics theory and application. The material is reinforced with numerous examples to illustrate principles and imaginative problems of varying degrees of difficulty.

This work and its companion, Statics, deliver a consistent problem-solving methodology for statics and present a precise and accurate treatment of the fundamentals of dynamics. Features include: real world applications; chapter openers illustrating an application of the ideas in the chapter; and the use of visualization techniques which isolate the figures which should be studied.

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