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# Flight Theory For Pilots, Fourth Edition (Jeppesen-Sanderson Training Products)



## Synopsis

Flight Theory for Pilots is written for pilots by a pilot, this book allows you to expand your knowledge of flight theory and aerodynamics as applied to airplanes and helicopters. This is the principle aerodynamics book used in USAF courses. From the Preface: This book is written for the typical pilot who has no engineering background and no desire to become involved with mathematical solutions, but would still like to expand his knowledge of flight theory. From 21 years of teaching this subject to the US Air force, Army, and Navy, I would estimate that this would include 75% of students. This book does not attempt to transfer pilots into engineers. What it does try to explain are the basics of aerodynamics as they apply to flying an airplane. In some cases formulas are presented, but a real insight to the subject can be obtained even if they are completely ignored.

## Book Information

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## Customer Reviews

This book is intended to provide, in a short volume, an introduction to the theory of aircraft for use by undergraduate and graduate students. The author stress the operational management of the aircraft, while providing a detailed description of the physical phenomena involved. This book assumes that the reader already has some knowledge of the aerodynamics of aircraft, and notes the similarities and differences between the fixed and rotary -wing aircraft. this volume is an excellent introduction to the aerodynamics of aircraft. The present volume covers all important topics needed for the complete understanding of aircraft dynamics. these topics include the basic physical concepts for the aircraft maneuvers including basic theory and analysis, and aerodynamic

design of performance, performance, trim, static and dynamics stability, control, and advanced aerodynamics. In short this book very excellent book for the students.

Teacher had too much doubt in this book for me to see it as an effective learning tool. Also does not help when every other chapter the students get the questions right but the book is wrong. Very frustrating.

I bought this book for a graduate course I'm taking right now. It says that it is "for pilots" but as someone with a bachelor's in aerospace engineering, this seems a bit more complex than just the basics. My class has several people in it who are not engineers and they are struggling a bit in the class. However, I will say that the book itself is very straight-forward and all the answers can be found if you do a little digging and reading between the lines. Another thing I like about this book is that all the answers to the chapter questions are in the back so you can double check your answers. That's nice when the problems start to get a bit more complicated. Overall, it's a good book for talking about the basics of flight theory and aerodynamics.

I've been using this book to instruct my aerodynamics/performance class and I have to say that it is great. This book seems to be a leaner version of the aerodynamics for naval aviators, it is focused more on organized explanations, concepts and less equations. A majority of the illustrations come directly out of the Naval Aviators book, this shows that the two books when used in pairs really help a student get the material. This is a great book for any pilot who wishes to understand more aerodynamics without having to get an engineering degree.

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