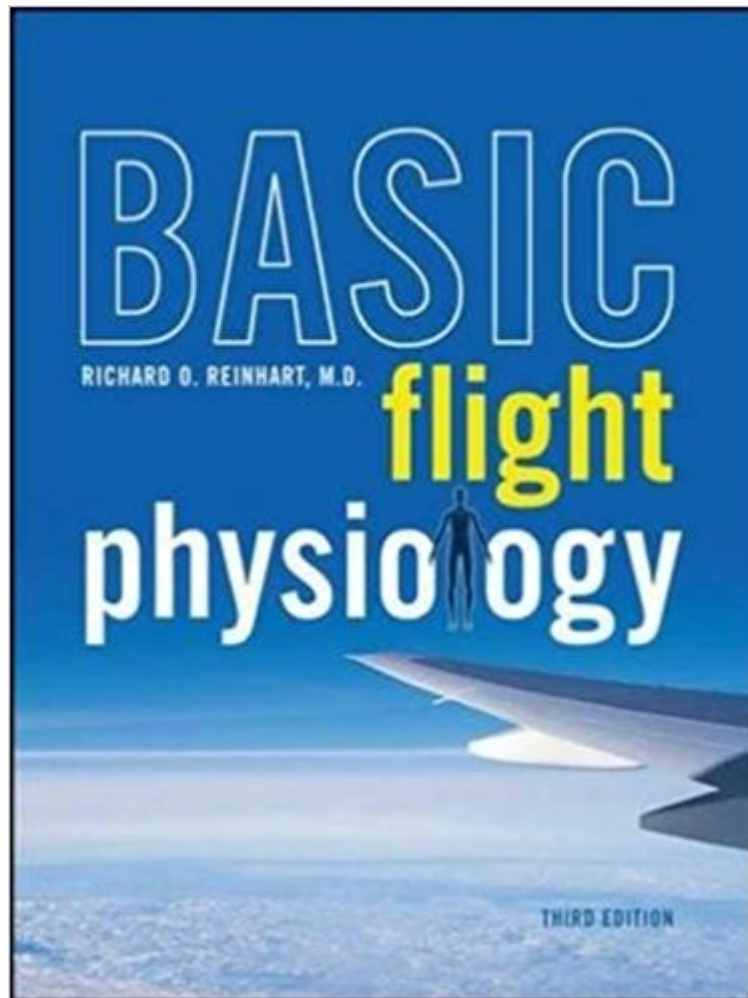




**Ebook Directory**  
the best source of ebook

The book was found

# Basic Flight Physiology (Aviation)



## Synopsis

The #1 Guide to Flight Physiology\_Now Updated and Expanded with the Latest INSIGHTS for ENHANCING AIRCREW SAFE PERFORMANCE! The Third Edition of Basic Flight Physiology has been completely updated and expanded with information on THAT WILL REDUCE PILOT IMPAIRMENT IN FLIGHT. This definitive guide to PHYSIOLOGICAL human factors in the flying environment provides a wealth of preventive measures pilots can take to anticipate and compensate for HUMAN FACTORS that cause 70% of all aviation accidents. Packed with over 100 INFORMATIVE illustrations, this resource contains UNDERSTANDABLE coverage of THE MANY PHYSIOLOGICAL FACTORS THAT AFFECT PILOT PERFORMANCE PLUS crew resource management, in-flight medical emergencies, health maintenance programs, and more. The Third Edition of Basic Flight Physiology features: Methods for dealing with vertigo and DISORIENTATION Critical information on tolerance to FATIGUE Techniques for handling self-imposed and environmental stresses Guidance on the effects of caffeine, alcohol, and OVER-THE-COUNTER DRUGS Explore Every Aspect of • Medical Airworthiness • Human Factors Defined • Basic Human Anatomy • The Atmosphere • Situation Awareness • Altitude Physiology • Hearing and Vibration • Vision • Orientation • Self-Imposed Medical Stress • Environmental Stresses • Sleep, Jet Lag, and Fatigue • Acceleration • Crew Resource Management • Human Factors of Automation • In-Flight Medical Emergencies • Health Maintenance Program • Medical Standards, Regulation, and Certification

## Book Information

Series: Aviation

Hardcover: 336 pages

Publisher: McGraw-Hill Education; 3 edition (November 12, 2007)

Language: English

ISBN-10: 007149488X

ISBN-13: 978-0071494885

Product Dimensions: 7.7 x 0.9 x 9.6 inches

Shipping Weight: 1.8 pounds (View shipping rates and policies)

Average Customer Review: 3.9 out of 5 stars 24 customer reviews

Best Sellers Rank: #152,007 in Books (See Top 100 in Books) #94 in Books > Textbooks > Engineering > Aeronautical Engineering #105 in Books > Engineering & Transportation > Transportation > Aviation > Piloting & Flight Instruction #212 in Books > Science & Math >

## Customer Reviews

How your mind and body can be impaired in flight to undermine safety--now updated with the latest research and case studies An understanding of flight physiology is crucial to aviation safety.

Although strides have been made in understanding the human factor, 70% of flight accidents remain linked to pilot error. Now updated and expanded, this definitive text on the mind and body in the flying environment will benefit everyone who flies, particularly civilian pilots. You'll get eye-opening, potentially accident-preventing information on how to anticipate and compensate for the physiological effects unique to flying that can erode performance. Thoroughly revised to reflect the latest research and data, this essential text includes new chapters on the effects of automation on crew resource management (CRM), emphasizing the crucial importance of situational awareness. Other topics include: Fatigue; Dehydration; Extreme temperatures; Vibration and hearing; Spatial disorientation; Hypoxia; Stress; Vertigo and motion sickness; Visual illusions and misperceptions; Tolerance to G forces; Jet lag; Health maintenance. . .the effects of over-the-counter medications, caffeine, alcohol and drugs, and more. --This text refers to an out of print or unavailable edition of this title.

Richard Reinhart, M.D. is the president of Human Factors Resources, a company that provides educational resources and training for FAA medical certification and medical management in the aviation community.

Received this when I was in school. rent is probably the best place to get the books you need. Grant it they do not have all the books you will need but most of them they will. I was even able to find some that my instructors said that I may have an issue finding. rent saved me a ton of money and I recommend it for any and everyone in school. If you are going to be a little late on your return they can extend your rental for a low fee with out having to buy the book at full cost returning the books are easy as well. This in itself should inspire folks to get out there and get their degree.

Great book!

A perfect book for the aviator or medical professional interested in knowing more about the physiology of flight and the interaction between humans and the atmosphere. The author makes

gas laws easy to remember and differentiate. The only drawback is that the author seems to get easily drawn into tangents and metaphor. Otherwise, a solid read.

Facts on alcohol, the brain, the heart, and many other systems and how they are affected by altitude. A very good textbook for the money (for a change). I bought a used one, of course, but it was like brand new. It was easy to read.

Very useful. However some info are hard to find

It's a bit of a contradictory book. I needed it for a class at ASU (AMT 410) and it did the trick. Good conditions and no issues with pages or the product as a whole

Lots of information you will not regret knowing, specially if you want to become a pilot, you will be ahead of the game, you will understand how much physiology affect your flight...Great reading ..

A very informative and technical textbook. Had to use it for college, but as a CFI applicant - found a better use for it.

[Download to continue reading...](#)

Basic Flight Physiology (Aviation) The Student Pilot's Flight Manual: From First Flight to Private Certificate (The Flight Manuals Series) Cellular Physiology and Neurophysiology E-Book: Mosby Physiology Monograph Series (Mosby's Physiology Monograph) Cardiovascular Physiology: Mosby Physiology Monograph Series (with Student Consult Online Access), 10e (Mosby's Physiology Monograph) Endocrine and Reproductive Physiology: Mosby Physiology Monograph Series (with Student Consult Online Access), 4e (Mosby's Physiology Monograph) Renal Physiology: Mosby Physiology Monograph Series (with Student Consult Online Access), 5e (Mosby's Physiology Monograph) Medical Terminology: Medical Terminology Easy Guide for Beginners (Medical Terminology, Anatomy and Physiology, Nursing School, Medical Books, Medical School, Physiology, Physiology) Gastrointestinal Physiology: Mosby Physiology Monograph Series (With STUDENT CONSULT Online Access), 8e (Mosby's Physiology Monograph) Flying High: Pioneer Women in American Aviation (Images of Aviation) Glenn H. Curtiss: Aviation Pioneer (Images of Aviation) Aviation Mechanic Handbook: The Aviation Standard Essentials of Aviation Management: A Guide for Aviation Service Businesses FAR-AMT 2018: Federal Aviation Regulations for Aviation Maintenance Technicians (FAR/AIM series) Fiscal Aspects of Aviation Management (Southern

Illinois University Press Series in Aviation Manage) Aviation Maintenance Technician: Powerplant (Aviation Maintenance Technician series) Flight: The Complete History of Aviation Instructor Test Prep 2018: Study & Prepare: Pass your test and know what is essential to become a safe, competent flight or ground instructor â “ from ... in aviation training (Test Prep series) Dreams of Flight: General Aviation in the United States FAR-FC 2018: Federal Aviation Regulations for Flight Crew (FAR/AIM series) Corporate Aviation's International Airport/FBO Directory 2007: Non-North American Edition (Flight Planning)

[Contact Us](#)

[DMCA](#)

[Privacy](#)

[FAQ & Help](#)