

1. Record Nr.	UNINA9910698658203321
Autore	Administration Federal Aviation
Titolo	Aviation Instructor's Handbook
Pubbl/distr/stampa	New York, : Skyhorse Publishing, 2009 [Washington, D.C.] : , : U.S. Dept. of Transportation, Federal Aviation Administration, Flight Standards Service, , 2008
ISBN	1-62873-081-1
Descrizione fisica	1 online resource (681 p.)
Disciplina	629.132/52071073 629.13252071073
Soggetti	Aeronautics, Military -- Study and teaching -- United States Flight training -- Study and teaching -- United States Aeronautics, Military - Study and teaching - United States Flight training - Study and teaching - United States Mechanical Engineering Engineering & Applied Sciences Aeronautics Engineering & Astronautics Handbooks and manuals.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Title Page; Copyright Page; Preface; Acknowledgments; Table of Contents; Chapter 1 - Human Behavior; Introduction; Definitions of Human Behavior; Human Needs and Motivation; Human Nature and Motivation; Human Factors That Inhibit Learning; Student Emotional Reactions; Teaching the Adult Student; Chapter Summary; Chapter 2 - The Learning Process; Introduction; Learning Theory; Perceptions; Insight; Acquiring Knowledge; Thorndike and the Laws of Learning; Domains of Learning; Characteristics of Learning; Learning Styles; Acquiring Skill Knowledge; Types of Practice; Evaluation Versus Critique Putting It All TogetherScenario-Based Training; Errors; Motivation; Maintaining Motivation; Memory; Retention of Learning; Transfer of Learning; Chapter Summary; Chapter 3 - Effective Communication; Introduction; Basic Elements of Communication; Barriers to Effective Communication; Developing Communication Skills; Chapter Summary;

Chapter 4 - The Teaching Process; Introduction; What Is Teaching?; Instructor's Code of Conduct; Course of Training; Preparation of a Lesson; Presentation of a Lesson; Organization of Material; Training Delivery Methods; Problem-Based Learning  
Electronic Learning (E-Learning) Cooperative or Group Learning Method; Demonstration-Performance Method; Drill and Practice Method; Application of the Lesson; Assessment of the Lesson; Instructional Aids and Training Technologies; Test Preparation Material; Future Developments; Chapter Summary; Chapter 5 - Assessment; Introduction; Assessment Terminology; Purpose of Assessment; General Characteristics of Effective Assessment; Traditional Assessment; Characteristics of a Good Written Assessment (Test); Authentic Assessment; Choosing an Effective Assessment Method; Critiques and Oral Assessments  
Chapter SummaryChapter 6 - Planning Instructional Activity; Introduction; Course of Training; Blocks of Learning; Training Syllabus; Lesson Plans; Scenario-Based Training (SBT); Single-Pilot Resource Management; Chapter Summary; Chapter 7 - Instructor Responsibilities and Professionalism; Introduction; Aviation Instructor Responsibilities; Flight Instructor Responsibilities; Physiological Obstacles for Flight Students; Ensuring Student Skill Set; Aviator's Model Code of Conduct; Safety Practices and Accident Prevention; Professionalism; Evaluation of Student Ability  
Aviation Instructors and ExamsProfessional Development; Chapter Summary; Chapter 8 - Techniques of Flight Instruction; Introduction; Flight Instructor Qualifications; Practical Flight Instructor Strategies; Obstacles to Learning During Flight Instruction; Demonstration-Performance Training Delivery Method; Positive Exchange of Flight Controls; Sterile Cockpit Rule; Use of Distractions; Integrated Flight Instruction; Assessment of Piloting Ability; Aeronautical Decision-Making; Chapter Summary; Chapter 9 - Risk Management; Introduction; Defining Risk Management; Level of Risk; Mitigating Risk  
Three-P Model for Pilots

---

### Sommario/riassunto

The Aviation Instructor's Handbook is a world-class educational reference tool developed and designed for ground instructors, flight instructors, and aviation maintenance instructors. This information-packed handbook provides the foundation for beginning instructors to understand and apply the fundamentals of instructing. It also provides aviation instructors with detailed, up-to-date information on learning and teaching, and how to relate this information to the task of conveying aeronautical knowledge and skills to students. Experienced aviation instructors will also find the new and updated

---