



FlightInsight

How to Land an Airplane

LANDING
COURSE
2026 Edition

Learning Outcomes

Welcome to the How to Land an Airplane Course! This course is designed to give you the strategy, knowledge, and tools to perform safer landings, and make you more confident in the aircraft.

When it comes to landing an airplane, there is no substitute for in flight training and practice. Too often though, we spend too much time performing the same mistakes in the pattern, and not enough time breaking down concepts and knowledge in the calm environment of ground training. This course is designed to fill that gap.

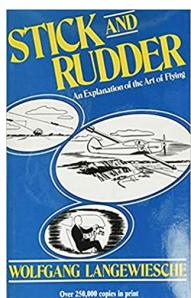
Each of the modules includes a series of video lectures and animations illustrating concepts. **All the course material is available online once you're enrolled on the [FlightInsight](#) course page. You'll have lifetime access to all materials and can take and retake modules as many times as you'd like.**

After successfully completing this course you will be able to:

- Understand the aerodynamic and physical theory behind how an airplane flies and lands
- Apply your knowledge to both basic landings and more advanced landing tasks tested on both the Private and Commercial checkrides
- Gain useful tips and tricks to tweak your landing techniques and become more confident in the cockpit

Recommended Resources

No one book or course will make you better at landings (including this one!) but having some background knowledge will help you think and visualize your techniques more clearly. Here are some recommended resources to go along with this course and your flight training.



Stick and Rudder

Wolfgang Langewiesche's seminal work on the art of flying is almost 80 years old, yet is still unmatched in its explanation of basic flying concepts including landings. I recommend it to all my students, have used its concepts in my own instruction, and have personally benefitted from it as a pilot



Airplane Flying Handbook

The FAA's free online guidebook walks through tasks and maneuvers asked of students on checkrides, including landings

Your Instructor

Dan George is a Certified Flight Instructor-Instrument (CFII) based in Maryland. He has accumulated over 4,000 flight hours, mostly through instructing students.

He has guided dozens of pilots through the challenging process of attaining their Private or advanced ratings.

Dan serves as a Lecturer at the University of Maryland, teaching Aviation in the Aerospace Engineering Department.

He is an instrument rated Commercial Pilot with Single and Multiengine Land ratings and has attained the FAA Gold Seal Flight Instructor and Instrument Instructor ratings.

Email Dan at training@flight-insight.com

Lecture Listing

MODULE	MODULE SUBJECT	TIME TO COMPLETE
Introduction	Perfecting Your Landings Course Welcome to FlightInsight!	5 minutes
Module 1	Aerodynamics Overview The Lift Equation Use of Flaps Center of Gravity Ground Effect and Best Glide	23 minutes
Module 2	How to Land an Airplane The Traffic Pattern What a Landing Looks Like The Landing Approach Energy Management How to Hold Centerline on a Landing Fixing Bounced Landings Fixing Porpoising Crosswind Landing Technique Going Around	45 minutes
Module 3	Special Landings Forward Slip to Land Short Field Landings and the Power off 180° Soft Field Landings Night Landings No Flap Landings	30 minutes