

WISA eLEARNING

Fundamentals of International Aviation

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*Expand your knowledge –
and your possibilities – within
the global air transport system.*



UNIVERSITY OF
WATERLOO

| **WISA**

Waterloo Institute for
Sustainable Aeronautics



Meet your instructor

DR. SUZANNE KEARNS is the Founding Director of the Waterloo Institute for Sustainable Aeronautics and Associate Professor of Aviation at the University of Waterloo.

Internationally recognized within the industry, she has taught thousands of aviation professionals worldwide, both in person and online. Dr. Kearns is a former airplane and helicopter pilot, as well as the author or co-author of six books, including the textbook *Fundamentals of International Aviation* upon which this eLearning course is based.

Dr. Suzanne Kearns



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Fundamentals of International Aviation

About this course

Whether you're a seasoned veteran or new to the industry, Fundamentals of International Aviation is designed to build or deepen your knowledge of the global air transport system at a time of rapid change and emerging challenges.

Through 10 self-paced eLearning modules, you'll gain a comprehensive understanding of the various roles and activities performed across the entire air transport sector, from air law to navigation to safety and beyond. By the end of the course, you'll have a broad awareness of how different people and organizations work together to achieve a safe, reliable and efficient air transport system.

STRUCTURE

10 modules with practice quizzes

15 hours of learning

100-question final exam



KEY TOPICS

- > Foundations of international aviation law
- > Basics of aircraft design, operation and airworthiness
- > Airline operations and connections to the global economy
- > Air traffic management and the operations of airports
- > Protecting the aviation industry from security issues
- > Importance of accurate weather data in global air transport
- > Accident investigation and integration of safety management systems and human factors

CREDENTIAL

Earn your certificate of completion when you successfully complete the course exam.

This certificate counts toward your International Aviation Sustainability Certification (IASC).



Related courses

This course is part of the International Aviation Sustainability Certification (IASC), a three-part professional development certification that includes the following credentials:

Fundamentals of International Aviation

Aviation Sustainability

Aviation and Climate Change

Complete any of these courses individually or finish all three to earn the IASC.

Relevant, career-focused learning from anywhere

SELF-PACED

On-demand learning means you complete this course on your own time – when you have time.

100% ONLINE

Learn from anywhere! With no travel required, participation is convenient and eco-friendly.

GLOBAL-PERSPECTIVE

Expand your view of aviation from domestic to international, wherever you are in the world.

MADE FOR AVIATION

Whether you're an industry pro, changing roles or just starting out, course content is designed for you.

Explore current issues and exciting opportunities in aviation



Along with strengthening your understanding of how the air transport system works, you will also:

ENGAGE WITH CURRENT ISSUES

such as aviation's environmental impact, personnel shortages, political tensions and rapid technological change.

LEARN ABOUT NEW INNOVATIONS

practices and technologies shaping the future of air transport.

BE CHALLENGED AND INSPIRED

to explore new areas and pathways within the aviation industry.



Launch your professional development journey

Ready to dive in or learn more about WISA's eLearning courses?

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