



Airport Environmental Management

04-08 October 2015

Abu Dhabi, UAE

Course Introduction

ACI Airport Environmental Management Course Instructor: Callum Thomas

- Professor at Manchester Metropolitan University
- Established Environment Department at Manchester Airport
- 25 years in industry
- Bird biologist and bird strike expert
- Fellow of Royal Aeronautical Society
- Chair of Sustainable Aviation
- Advisor to MAG, UK Government, ACI, EU, WEF as well as airlines and airports
- Visiting Professor Beijing University



ACI Airport Environmental Management Course Instructor: Paul Hooper

- Professor at Manchester Metropolitan University
- Chair in Environmental Management & Sustainability
- Head of Enterprise Development
- Airport sustainable development expert incorporating:
 - environmental management,
 - noise management and communication,
 - carbon accounting and management,
 - waste management.



ACI's mission

➔ ACI advances the collective interests of the world's airports and promotes professional excellence in airport management and operations.

Six priority areas

- Safety
- Security
- Customer service
- Environment
- Economic development
- Efficiency

ACI – Airport Environmental Management Course Objectives

- Introduce sustainable development and how it impacts upon airport operations and development
- Describe key elements of environmental management systems
- Highlight environmental and commercial benefits of systematic environmental management
- Provide overview of key airport environmental impacts
- Enable you to engage with the practical realities of planning environmental improvements
- Demonstrate the significance of all airport stakeholders in determining environmental impacts and delivering solutions



ACI – Airport EM Course Structure

- 5 days
- 7 sessions per day of approximately 45 minutes
- 15 modules of varying length
- Presentations and student centred learning exercises
- Class exercises in groups and individual
- Opportunities for questions throughout
- Module summaries

Day One

- **Module 1 - Course Introduction**
- **Module 2 – Sustainable Development, the World Economy and Aviation**
- **Module 3 – The Environmental Impacts of Aviation: An Overview**
- **Module 4 – Sustainable Development and Environmental Management**



Day Two

- **Module 5 – Environmental Management Systems**
- **Module 6 – Collaborative Environmental Management**
- **Module 7 – Aircraft Noise**
- **Module 8 – Habitat, Ecology and Sensitive Sites**



Day Three

- **Module 9 – Water Use, Treatment and Minimisation**
- **Module 10 – Wastes Generation, Reduction and Treatment**
- **Module 11 – Local Airport Air Quality**
- **Module 12 – Climate Change and the Commercial Imperative**



Day Four

- **Module 13 – Accounting for Airport Carbon Emissions**
- **Module 14 – Delivering Carbon Reductions: A Case Study**
- **Module 15 – Environmental Planning and Implementation at an Airport: A workshop**



Day Five

- **Course examination**
- **Course Feedback and Evaluation**
- **Course Conclusions**



ACI – Airport Environmental Management Course Assessment

- Groups exercises embedded in the Modules
- One group exercise with presentation – Module 15 (day 5)
- Individual examination – open-book, multiple choice questions.
 - Pass grade at 70% (day 5)
- Overall, assessment will be pass or fail for the course

Participant Expectations

- Who are you?
- What is your job?
- What do you want to learn?

ACI Airport Environmental Management Course Overview

- Any questions?



ACT | **GLOBAL TRAINING**

Contact us: training@aci.aero
Visit us: <http://www.aci.aero/Global-Training>