Aviation Safety Management: Principles and Best Practices

25 – 29 April 2027
Riyadh (KSA)



Aviation Safety Management: Principles and Best Practices

Ref: 323018_237952 **Date:** 25 – 29 April 2027 **Location:** Riyadh (KSA) **Fees:** 4200 GBP

Course Description

This intensive 1-week course provides a comprehensive overview of aviation safety management principles and best practices. Participants will gain in-depth knowledge of safety risk management, regulatory requirements, and effective implementation strategies for aviation safety programs.

Learning Objectives

- Understand the core components of an effective aviation safety management system
- Develop skills in hazard identification and risk assessment techniques
- Learn strategies for fostering a positive safety culture within aviation organizations
- Gain knowledge of relevant regulatory requirements and compliance strategies
- Acquire practical tools for implementing and maintaining safety management programs

Course Modules

Day 1: Fundamentals of Aviation Safety Management

- Introduction to safety management systems SMS
- Regulatory framework and ICAO standards
- Safety risk management principles
- Human factors in aviation safety

Day 2: Hazard Identification and Risk Assessment

- Hazard identification techniques
- Risk assessment methodologies
- Root cause analysis
- Safety performance indicators and targets

Day 3: Safety Assurance and Promotion

- Safety reporting systems
- Safety data collection and analysis
- Continuous improvement processes
- Safety communication and training



Day 4: Implementation Strategies

- Developing safety policies and procedures
- Integration of SMS with existing systems
- Change management in safety programs
- Safety audits and evaluations

Day 5: Advanced Topics and Practical Application

- Emerging technologies in aviation safety
- Crisis management and emergency response
- Case studies and best practices
- Action planning for SMS implementation

Practical Wins for Participants

- Ability to develop and implement a comprehensive aviation safety management system
- Enhanced skills in hazard identification and risk mitigation
- Strategies for improving safety culture within their organization
- Practical tools and templates for safety program documentation and reporting

