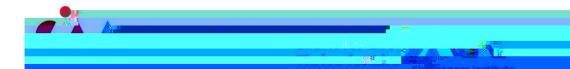




Slamgapore Institute

Achieving a safe working environment in any organisation is important, but in aviation this is particularly so, as the working environment includes the use of aircraft that are responsible for hundreds, sometimes thousands of lives each day. However, safety within aviation operations is not confined to the safety of aircraft operations. It also depends on the safety of maintenance, engineering, air traffic control and other airport operations, flight crew, regulatory bodies, and other staff within the organisation. Safety is also not just a concern for major airlines, but for all aircraft operators, and other supporting organisations.

Therefore, a system needs to be in place to ensure that all of the above (and more) are continually addressed, reviewed, and measures implemented to ensure that all safety concerns are either eliminated, or mitigated. Within aviation, this can be completed by the development and implementation of a safety management



The aim of this module is to provide rich information that allows students to gain knowledge of the

of airports, and the role of the airport managers in the management activities, economics, financing and operating of medium, large, or hub airports.

Short case studies and practical exercises oriented to the airport industry will be used to demonstrate particular features. Topics and assignments will also serve to enhance and test the depth of understanding airport planning and management.

This module covers the operational aspects of starting and operating an airline, including airline operational strategy and objectives, route structure, fleet planning, manpower planning, airline product distribution, airfare structure, and fuel conservation and its economic impact.

Key areas of study:

Airline operational strategy and objectives
Economics of airline operations
Route structure, route planning and route market analysis
Reet planning and network scheduling



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This module introduces students to the international air cargo mode. Student will learn about the economics underpinning air cargo operations, the regulatory environment as it relates to the international air cargo mode, the roles of the air cargo mode in global supply chains, the air cargo services offered to the public, the rationale for and the forms of strategic partnerships and alliances employed in the air cargo industry, and the strategies employed by the various key stakeholders.

The module introduces students to the technical characteristics of aircraft as they relate to the air cargo mode, in particular, cargo capacity and air cargo revenue management, and ground and terminal handling requirements of air cargo.

This course introduces students to the different aspects of initial and continuing airworthiness management frameworks, both in the operational and technical field. Students will examine different legislation, guidelines and technical manuals relating to airworthiness as commonly used in both civil organisations (ICAO, EASA, FAA, CASA, etc.) and defence (USDefence Forces, UK MAA, EDA MAWA Forum, ADF AA, etc).

Students will learn how to apply technical airworthiness management frameworks and how to implement airworthiness assurance functions in:

Aircraft design approval and control.

Aircraft and component manufacturing and certification.

Aircraft modifications.

The Aviation Industry Project is intended to provide students with an opportunity to undertake a project that is approximately equivalent to a six-week long full-time task that a new graduate might be expected to undertake shortly after starting work in the aviation industry.

The Aviation Industry Project requires students to demonstrate technical skills and personal attributes as a junior aviation professional. Student will receive supervision from an internal RMIT Supervisor and may also have an External Supervisor (depending on the project). Students are expected to perform your project work independently with only limited guidance from RMIT staff and/or external industry supervisors.