

The University of Western Ontario

Management and Organizational Studies Program

MOS 4405F Airport Planning and Management

Course Outline - 2012

Instructor: William Scott

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Lectures: Mondays: 1900 to 2200 Weldon Library, Room 258

A three-hour session, one evening each week, will comprise the classroom sessions. The standard format for the classroom sessions will be two hours of lecture followed by a discussion period. Students will be expected to complete the required readings prior to the classroom session to facilitate informed discussion of the material.

Course Overview: Airports are an integral part of the aviation industry in Canada and throughout the world. Airports are economic engines to the communities that they serve, and are essential instruments of a nation's air transportation system. The Airport Planning and Management Course will focus on the management, operations and planning issues facing airports in this era of rapid change and technological development.

In this course, the major components of planning and managing airports will be taught with the objective of providing the student with a broad understanding of airports and their role in aviation transportation.

Required Text: Airport Development, Management, and Operations in Canada – 3rd Edition. E.R. Syme

Grading: Course grades will be determined on the basis of class participation, one Case Study/Essay and two exams as follows:

Essay/Case Study	25%
First Exam	30%
Final Exam (Christmas Exam Period)	45%

Exams: There will be one “mid-term” test and one final exam given in this course. The first test will be multiple choice and will be worth 30% of the course mark. The test will be one hour in duration.

The final exam will be multiple choice and will be worth 45% of the course mark. The test will be two hours in duration, and will cover all course material

Essay/Case Study: Students will be required to write a written report based on a Case Study Analysis. The students will work in small groups and will be given two weeks to complete the analysis and submit a written report. The groups will then be required to make a short presentation on the findings to the class. The written report will be a minimum of 10 typed pages. The students will be evaluated on their analysis of the problems and opportunities in the case, the strategies and tactics that they have developed to address the issues and their effectiveness in presenting the material.

Course Outline: (Sessions are Tentative)

The course is divided into 12 sessions and an outline for each of the sessions is developed below:

September 17th:

- **Introduction to Airport Planning and Management**
 - Overview of aviation and airport development in Canada
 - Airport Commercialization and the National Airport Policy
 - Airport Authorities...intent, results, future
 - Airport Ownership and Operations

- **The Airport System**
 - Canadian classification of airports
 - Role of the FAA in the United States

Required Reading: Syme – Chapters 1 and 2

September 24th:

- **The Impact of Airports on the Community**
 - The economic role of airports

- **Airport Master Planning**
- **Airport Requirements and Site Selection**

Required Reading: Syme – Chapters 3 and 4

October 1rd:

- **Financial Management of Airports**
 - Budgeting,
 - Revenue Generation,
 - Expenditures
 - Accounting

Required Reading: Syme – Chapters 11

October 8th: Thanksgiving – no class

October 15th:

- **Airports and the Environment**
- **Airport Layout and Land Use Plans**
- **Terminal Area and Access Plans**

Required Reading: Syme – Chapters 5, 6 and 7

October 22th: Midterm Exam

October 29st:

- **Airport Financial Planning**
- **Airport Capacity and Delay**
- **Landside Technological Improvements**

Required Reading: Syme – Chapters 8, 9 and 10

November 5th:

- **Organizations, Administration, and Management Support**
- **Airport Marketing and Business Development**
- **Airport Public Relations**

Required Reading: Syme – Chapters 12

November 12th:

- **Airport Operations I**
 - Infrastructure
 - Airside Maintenance
 - Safety
 - Security

Required Reading: Syme – Chapters 13

November 19st: Field Trip to London International Airport and Distribution of Case Study

November 26th:

- **Airport Operations II**
 - AOM
 - Runway Lighting Systems
 - Security Regulations
 - Environmental Management
 - Ongoing Maintenance.

Required Reading:

Required Reading: Syme – Chapters 14

December 3th: Case Study Presentations and Discussion