

The University of Western Ontario

Bachelor of Management and Organizational Studies Program

MOS 405F Airport Planning and Management

Course Outline September – December 2007

Instructor: Mike Seabrook

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Lectures: Mondays: 4:30 pm to 7:30 pm SSC 3014

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 Planning and Management – Fifth Edition, Alexander T. Wells & Seth Young

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 short answer questions 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 short answer questions 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 Ownership and Operations

- **The Airport System**
 - Canadian classification of airports
 - Current issues in airport development
 - Role of the FAA in the United States

Required Reading: Wells and Young – Chapter 1, 2 & 3

September 24th:

- **The Components of the Airport**
 - The airfield
 - Airspace and Air Traffic Control

Required Reading: Wells and Young – Chapter 4 & 5

October 1st:

- **The Components of the Airport (...continued)**
 - Airport terminals and ground access

Required Reading: Wells and Young – Chapter 6

October 15th:

- **Airport Operations**
 - Operational Priorities and Tasks
 - Pavement management
 - Bird and wildlife hazard management

Required Reading: Wells and Young – Chapter 7

October 22rd:

- **Airport Firefighting and Security**
 - Aircraft rescue and firefighting
 - Airport Safety and Security Plans
 - Canadian Air Transport Security Authority
- **Canada Customs and Immigration**

Required Reading: Wells and Young – Chapter 8

October 29th:

Midterm Exam

November 5th:

Airport Financial Management

- Financial planning
- Financial accounting
- Pricing of Airport services
- Capital Investment

Required Reading: Wells and Young – Chapter 9

November 12th:

Field Trip to London International Airport

November 19th:

- **Airport Commercial Development**
 - Airservice Development
 - Cargo Development
 - Land Development

- **The Impacts of Airports on the Community**
 - The economic role of airports
 - Environmental Impacts

- **Distribution of Case Study**

Required Reading: Wells and Young – Chapter 10

November 26th:

- **Airport Planning**
 - Airport Master Planning
 - The Airport Layout plan
 - Forecasting demand

- **Airport Capacity and Delay**
 - Factors affecting capacity and delay
 - Approaches to reducing delay

- **The Future of Airport Management**
 - Changes to airport security
 - Air carrier evolution
 - Larger Aircraft
 - Government policy
 - Other topical issues

Required Reading: Wells and Young – Chapter 11,12 & 13

December 3rd:

- Case Study Presentations and Discussion

- Final exam review