American Public University System

The Ultimate Advantage is an Educated Mind

School of Business
TLMT 415
Airport Operations
Credit Hours: 3
Length of Course: 8 weeks
Prerequisite: None

Please see the **Lessons** area in the classroom for additional course specific information

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Course Description (Catalog)

The focus of this **TLMT 415 Airport Operations** course will be an examination of the management of airports. Emphasis is on the facilities that comprise an airport system, including airspace, airfield, terminal and ground access operations

Course Scope

Airport Management is designed to provide the student with an understanding of the role of the airport manager in the management, administration, financing and operating of small, medium, large, hub airports. An understanding of the operation and management of airports plays an important role in rounding out the aviation elective course offerings to students in any of the aviation degree programs.

Whether such students are interested in airport management as a career field or another segment of aviation such as the airlines, general aviation or government, how the airport interfaces with these segments is an integral part of his/her overall education. Therefore, its contribution is largely synergistic, but it also provides an opportunity to acquire an in-depth analysis of the phases of airport management; specifically, master planning or the physical facility planning, economics of master planning or the physical facility planning, economics of airport operation and organizational structure. The duties and responsibilities of the airport management team will be analyzed.

Students will be introduced to the history of airports in the United States including major federal legislation affecting their development. The controlling factors in the development of an airport such as

size and forecasting volumes, design considerations and zoning laws will be examined. Students will assume the role of management in analyzing the factors involved in airport terminal development including location, size, and functional relationships of space and accommodation of ground transportation.

The course is designed for the student interested in airport management as a career field or others who can benefit from an in-depth exposure to airport management.

Course Materials

Required Course Textbooks

Wells, A. and Young, S. (2011). *Airport Planning and Management Transportation*, 6th edition. New York, New York: McGraw-Hill Professional.

The VitalSource e-book is provided via the APUS Bookstore. Please visit http://apus.libguides.com/bookstore for more information.

Course Objectives

After successfully completing this course, you will be able to:

1. Describe sources of funding for airports and airport funding policies in the United States.
2. Outline the various airport types and roles.
3. Examine airport master planning process and its objectives.
4. Describe the difference between economic impact and cost/benefit studies and their applications.
5. Identify the major environmental impact issues faced by airports, particularly noise issues, and the applicable regulatory requirements and argue advantages/disadvantages.
6. Define and contrast the various land use planning and control options available to airport managers to deal with noise.
7. Identify and describe the important airside and landside facilities and services found at large U.S. airports.
8. Express the nature of the ground access problem at large U.S. airports.
9. Recount how airport capacity and delay are measured.
10. Recognize an organizational chart representing the management structure and organization for an airport authority.
11. Identify and explain the kinds of activities normally handled by airport operations staff.
12. Present the important airport operational regulations covered in FAR Part 139: Certification of Air Carrier Airports & 49CFR part 1500: Airport Security.

13. Express the public relations concerns of airport managers.
14. Name and contrast the different types of airport use agreements, and sources of airport revenues and expenses. Develop an airport annual budget.
15. Detail the difference between economic impact and cost/benefit studies and their applications.
16. Understand the importance of SATS and its effect on airport management.

Course Outline

Week	Topic	Learning Objectives
1	**Airports & Airport Systems: An Introduction** **Airport & Airport Systems: Organization and Administration**	Outline the various airport types and roles. Recognize an organizational chart representing the management structure and organization for an airport authority.
2	**Airports and airport systems: A historical and legislative perspective** **The Airfield**	Identify and describe the important airside and landside facilities and services found at large U.S. airports Express the nature of the ground access problem at large U.S. airports
3	**Airspace and air traffic control** **Airport terminal and ground access**	Examine airport master planning process and its objectives. Identify and explain the kinds of activities normally handled by airport operations staff.
4	**Airport Operations management under 139.** **Airport Security**	Understand the requirements under FAR 139 to operate airports serving commercial air carrier operations

		Airport Security
5	**Airport financial management** **The economic, political, and social role of airports.**	Describe and contrast the difference between economic impact and cost/benefit studies and their applications. Describe sources of funding for airports and airport funding policies in the United States.
6	**Airport Planning**	Identify the major environmental impact issues faced by airports, particularly noise issues, and the applicable regulatory requirements and argue advantages/disadvantages. Define and contrast the various land use planning and control options available to airport managers to deal with noise.
7	**Airport capacity and delay**	Recount how airport capacity and delay are measured.
8	**The Future of Airport Management**	Understand the importance of SATS and its effect on airport management. Understand the importance of NextGen implementation on airport operations.

Course Delivery Method

This course delivered via distance learning will enable students to complete academic work in a flexible manner, completely online. Course materials and access to an online learning management system will be made available to each student. Online assignments are due by Sunday evening of the week as noted and include Forum questions (accomplished in groups through a threaded forum), examination, and individual assignments submitted for review by the Faculty Member). Assigned faculty will support the students throughout this eight-week course.

Policies

Please see the Student Handbook to reference all University policies. Quick links to frequently asked question about policies are listed below.

> Drop/Withdrawal Policy
> Plagiarism Policy
> Extension Process and Policy
> Disability Accommodations

Grading Scale
Please see the Student Handbook to reference the University's grading scale.

Citation and Reference Style
Attention Please: Students will follow the APA Format as the sole citation and reference style used in written work submitted as part of coursework to the University. Assignments completed in a narrative essay or composition format must follow the citation style cited in the APA Format.

Netiquette
Online universities promote the advancement of knowledge through positive and constructive debate – both inside and outside the classroom. Forums on the Internet, however, can occasionally degenerate into needless insults and "flaming." Such activity and the loss of good manners are not acceptable in a university setting – basic academic rules of good behavior and proper "Netiquette" must persist. Remember that you are in a place for the rewards and excitement of learning which does not include descent to personal attacks or student attempts to stifle the Forum of others.

- **Technology Limitations:** While you should feel free to explore the full-range of creative composition in your formal papers, keep e-mail layouts simple. The Sakai classroom may not fully support MIME or HTML encoded messages, which means that bold face, italics, underlining, and a variety of color-coding or other visual effects will not translate in your e-mail messages.
- **Humor Note:** Despite the best of intentions, jokes and especially satire can easily get lost or taken seriously. If you feel the need for humor, you may wish to add "emoticons" to help alert your readers: ;-), :), ☺

Disclaimer Statement

Course content may vary from the outline to meet the needs of this particular group.

Academic Services

The Online Library is available to enrolled students and faculty from inside the electronic campus. This is your starting point for access to online books, subscription periodicals, and Web resources that are designed to support your classes and generally not available through search engines on the open Web. In addition, the Online Library provides access to special learning resources, which the University has contracted to assist with your studies. Questions can be directed to **librarian@apus.edu**.

- *Charles Town Library and Inter Library Loan:* The University maintains a special library with a limited number of supporting volumes, collection of our professors' publication, and services to search and borrow research books and articles from other libraries.
- *Electronic Books:* You can use the online library to uncover and download over 50,000 titles, which have been scanned and made available in electronic format.
- *Electronic Journals:* The University provides access to over 12,000 journals, which are available in electronic form and only through limited subscription services.
- *Tutor.com*: AMU and APU Civilian & Coast Guard students are eligible for 10 free hours of tutoring provided by APUS. Tutor.com connects you with a professional tutor online 24/7 to provide help with assignments, studying, test prep, resume writing, and more. Tutor.com is tutoring the way it was meant to be. You get expert tutoring whenever you need help, and you work one-to-one with your tutor in your online classroom on your specific problem until it is done.
- *Disability Accommodations*: Students are encouraged email dsa@apus.edu to discuss potential academic accommodations and begin the review process.

Request a Library Guide for your course (http://apus.libguides.com/index.php)

The AMU/APU Library Guides provide access to collections of trusted sites on the Open Web and licensed resources on the Deep Web. The following are specially tailored for academic research at APUS:

- Program Portals contain topical and methodological resources to help launch general research in the degree program. To locate, search by department name, or navigate by school.
- Course Lib-Guides narrow the focus to relevant resources for the corresponding course. To locate, search by class code (e.g., SOCI111), or class name.

If a guide you need is not available yet, please email the APUS Library: librarian@apus.edu.

Turnitin.com

Faculty may require assignments be submitted to Turnitin.com. Turnitin.com will analyze a paper and report instances of potential plagiarism for the student to edit before submitting it for a grade. In some cases professors may require students to use Turnitin.com. This is automatically processed through the Assignments area of the course.