

AT130 : Air Transportation

General Information

Author:	<ul style="list-style-type: none">Curtis G Potter
Course Code (CB01) :	AT130
Course Title (CB02) :	Air Transportation
Department:	AT
Proposal Start:	Fall 2024
TOP Code (CB03) :	(3020.10) Aviation and Airport Management
CIP Code:	(49.0104) Aviation/Airway Management and Operations.
SAM Code (CB09) :	Clearly Occupational
Distance Education Approved:	No
Will this course be taught asynchronously?:	No
Course Control Number (CB00) :	CCC000317205
Curriculum Committee Approval Date:	05/22/2024
Board of Trustees Approval Date:	07/16/2024
Last Cyclical Review Date:	05/22/2024
Course Description and Course Note:	AT 130 introduces the student to the development of air transportation, problems in commercial air transportation, commercial aircraft, organization and functions of the airlines, regulations, airline routes in the United States and the pilot qualifications, schedules and services, revenue sources and potential operating overhead. The importance of airports, airways, advertising, and public relations is stressed.
Justification:	Mandatory Revision
Academic Career:	<ul style="list-style-type: none">Credit
Mode of Delivery:	
Author:	Curtis G Potter
Course Family:	

Academic Senate Discipline

Primary Discipline:	<ul style="list-style-type: none">Aviation (Flight, navigation, ground school, air traffic control)
Alternate Discipline:	No value
Alternate Discipline:	No value

Course Development

Basic Skill Status (CB08)

Course is not a basic skills course.

Allow Students to Gain Credit by Exam/Challenge

Course Special Class Status (CB13)

Course is not a special class.

Pre-Collegiate Level (CB21)

Not applicable.

Grading Basis

- Grade with Pass / No-Pass Option

Course Support Course Status (CB26)

Course is not a support course

General Education and C-ID

General Education Status (CB25)

Not Applicable

Transferability

Transferable to CSU only

Transferability Status

Approved

Units and Hours

Summary

Minimum Credit Units (CB07) 3

Maximum Credit Units (CB06) 3

Total Course In-Class (Contact) Hours 54

Total Course Out-of-Class Hours 108

Total Student Learning Hours 162

Credit / Non-Credit Options

Course Type (CB04)

Credit - Degree Applicable

Noncredit Course Category (CB22)

Credit Course.

Noncredit Special Characteristics

No Value

Course Classification Code (CB11)

Credit Course.

Variable Credit Course

Funding Agency Category (CB23)

Not Applicable.

Cooperative Work Experience

Education Status (CB10)

Weekly Student Hours

	In Class	Out of Class
Lecture Hours	3	6
Laboratory Hours	0	0
Studio Hours	0	0

Course Student Hours

Course Duration (Weeks)	18
Hours per unit divisor	0
Course In-Class (Contact) Hours	
Lecture	54
Laboratory	0
Studio	0

Total 54

Course Out-of-Class Hours

Lecture 108

Laboratory 0

Studio 0

Total 108

Time Commitment Notes for Students

No value

Units and Hours - Weekly Specialty Hours

Activity Name	Type	In Class	Out of Class
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No Value	No Value	No Value	No Value
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Pre-requisites, Co-requisites, Anti-requisites and Advisories

No Value

Entry Standards

Entry Standards

Course Limitations

Cross Listed or Equivalent Course

Specifications

Methods of Instruction

Methods of Instruction	Lecture
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Methods of Instruction	Multimedia
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Methods of Instruction Collaborative Learning

Methods of Instruction Demonstrations

Methods of Instruction Field Activities (Trips)

Out of Class Assignments

- Research essays (e.g. domestic airlines, aviation/flight attendant current issues)

Methods of Evaluation

Rationale

Exam/Quiz/Test

Quizzes

Exam/Quiz/Test

Midterm examination

Project/Portfolio

Research projects (e.g. airline industry)

Exam/Quiz/Test

Final examination

Textbook Rationale

No Value

Textbooks

Author

Title

Publisher

Date

ISBN

Kane, Robert M.

Air Transportation

Kendall Hunt
Publishing

2021

978-1792464911

Other Instructional Materials (i.e. OER, handouts)

No Value

Materials Fee

No value

Learning Outcomes and Objectives

Course Objectives

Outline the history of air transportation.

Describe the federal government's role in the development of airlines and airports.

Define differences between scheduled, non-scheduled, and supplemental air carriers.

Discuss personal and aircraft equipment requirements.

Identify methods and sources from which airlines derive income.

SLOs

Describe the history of air transportation and how that history influences current industry practice. Expected Outcome Performance: 70.0

ILOs Demonstrate depth of knowledge in a course, discipline, or vocation by applying practical knowledge, skills, abilities, theories, or
Core methodologies to solve unique problems.
ILOs

Explain why commercial air transportation is important and how it is used by travelers. Expected Outcome Performance: 70.0

ILOs Demonstrate depth of knowledge in a course, discipline, or vocation by applying practical knowledge, skills,
Core ILOs abilities, theories, or methodologies to solve unique problems.

AT demonstrate an understanding of the differences and similarities between general aviation and commercial
Aviation Administration - A.S. aviation.
Degree Major

AT demonstrate an understanding of the differences and similarities between general aviation and commercial
Aviation Administration - aviation.
Certificate

Describe the equipment and maintenance procedures required by airlines and the FAA. Expected Outcome Performance: 70.0

ILOs Demonstrate depth of knowledge in a course, discipline, or vocation by applying practical knowledge, skills,
Core ILOs abilities, theories, or methodologies to solve unique problems.

AT demonstrate an understanding of Federal Aviation Regulations.
Pilot Training - Certificate

AT demonstrate an understanding of Federal Aviation Regulations.
Pilot Training - A.S. Degree Major

AT demonstrate an understanding of the differences and similarities between general aviation and commercial
Aviation Administration - aviation.
Certificate

demonstrate the skills required to establish and manage airport operations.

AT demonstrate an understanding of the differences and similarities between general aviation and commercial
Aviation Administration - A.S. aviation.
Degree Major

demonstrate the skills required to establish and manage airport operations.

Explain the economic, social, and cultural effects of the air transportation industry and the influence on society. Expected Outcome Performance: 70.0

ILOs Demonstrate depth of knowledge in a course, discipline, or vocation by applying practical knowledge, skills, abilities, theories, or
Core methodologies to solve unique problems.
ILOs

Reflect and act upon personal responsibility as local and global citizens; respect and appreciate social and cultural diversity and recognize the complexity of the world; value and articulate the significance of environmental sustainability and social justice.

Additional SLO Information

Does this proposal include revisions that might improve student attainment of course learning outcomes?

No

Is this proposal submitted in response to learning outcomes assessment data?

No

If yes was selected in either of the above questions for learning outcomes, explain and attach evidence of discussions about learning outcomes.

No Value

SLO Evidence

No Value

Course Content

Lecture Content

History of Air Transportation (19 hours)

- Lighter than air
- Early air mail
- Passengers
- World War II
- Air freight lines

Federal Interest in Development of Airlines (14 hours)

- Post Office
- Military
- Department of Commerce
- State Department

Federal Aids (2 hours)

- Airways
- Airports
- Meteorology
- Communications

Routes and Airlines (2 hours)

- Domestic
- International
- Overseas
- Territorial

Supplemental Air Carriers (2 hours)

- Feeder or local service
- Irregular air carriers

Federal Regulations (2 hours)

- Safety
- Tariffs
- Accounting

Airline Organization (2 hours)

- Training
 - Ground personnel
 - Flight personnel

Equipment (2 hours)

- Purchase
- Maintenance
- Depreciation

Insurance (2 hours)

- Passenger
- Freight

- Non-flight

Income (2 hours)

- Mail
- Passengers
- Express
- Freight

Helicopter Lines (2 hours)

Economic Effects of Regulated and Subsidized Competition (1 hour)

Effects of Deregulation (1 hour)

Social Effects of Air Travel (1 hour)

Total hours: 54

Additional Information

Is this course proposed for GCC Major or General Education Graduation requirement? If yes, indicate which requirement in the two areas provided below.

No

GCC Major Requirements

No Value

GCC General Education Graduation Requirements

No Value

Repeatability

Not Repeatable

Justification (if repeatable was chosen above)

No Value

Resources

Did you contact your departmental library liaison?

Yes

If yes, who is your departmental library liaison?

Adina Lerner (Technology & Aviation, Visual & Performing Arts)

Did you contact the DEIA liaison?

Yes

Were there any DEIA changes made to this outline?

No

If yes, in what areas were these changes made:

No Value

Will any additional resources be needed for this course? (Click all that apply)

- No

If additional resources are needed, add a brief description and cost in the box provided.

No Value