

AT49 : Aviation and Transportation Independent Study

General Information

Author:	<ul style="list-style-type: none">Curtis G Potter
Course Code (CB01) :	AT49
Course Title (CB02) :	Aviation and Transportation Independent Study
Department:	AT
Proposal Start:	Fall 2025
TOP Code (CB03) :	(3020.00) Aviation and Airport Management and Services
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) :	CCC000404107
Curriculum Committee Approval Date:	10/09/2024
Board of Trustees Approval Date:	12/17/2024
Last Cyclical Review Date:	10/09/2024
Course Description and Course Note:	<p>AT 49 provides independent exploration to familiarize students with research techniques, career options, and special academic interests in Aviation Technology. Emphasis shall be on individual research projects, library research, and/or preparation of research papers. There is no prescribed course content. Students develop and complete a research project approved by the sponsoring instructor and division chairperson. Note: Registration is open to any student at GCC who is currently registered for six or more units and who is admitted to Independent Study by the instructor. A student is limited to one Independent Study per semester and no more than 12 units credit toward the AA Degree or Certificate, and no more than six units per division. The units received may be acceptable for college transfer subject to the approval of the individual college. This course may be taken 3 times; a maximum of 9 units may be earned.</p>
Justification:	Mandatory Revision
Academic Career:	<ul style="list-style-type: none">Credit
Mode of Delivery:	<ul style="list-style-type: none">In-PersonRemoteHybridOnline
Author:	<ul style="list-style-type: none">Curtis G Potter
Course Family:	No value

Academic Senate Discipline

Primary Discipline:	<ul style="list-style-type: none">Aviation (Flight, navigation, ground school, air traffic control)
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Alternate Discipline:

- Aeronautics

Alternate Discipline:

- Flight Attendant Training

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 Only

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) 1

Maximum Credit Units (CB06) 3

Total Course In-Class (Contact) Hours 54 - 162

Total Course Out-of-Class Hours 0 - 0

Total Student Learning Hours 54 - 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

Course Student Hours

	In Class	Out of Class	Course Duration (Weeks)	18
Lecture Hours	0	0	Hours per unit divisor	54
Laboratory Hours	3 - 9	0	Course In-Class (Contact) Hours	
Studio Hours	0	0	Lecture	0
			Laboratory	54 - 162
			Studio	0
			Total	54 - 162
			Course Out-of-Class Hours	
			Lecture	0
			Laboratory	0
			Studio	0
			Total	0

Time Commitment Notes for Students

No value

Units and Hours - Weekly Specialty Hours

Activity Name	Type	In Class	Out of Class
No Value	No Value	No Value	No Value

Pre-requisites, Co-requisites, Anti-requisites and Advisories

Co-Requisite

Concurrent registration in 6 or more units.

Entry Standards

Entry Standards	Description
Varies with subject and research area choice.	No Value

Course Limitations

Cross Listed or Equivalent Course

Description

No value

No value

Specifications

Methods of Instruction

Methods of Instruction

Laboratory

Methods of Instruction

Independent Study

Out of Class Assignments

- Research project

Methods of Evaluation

Rationale

Project/Portfolio

Research project

Textbook Rationale

No required textbooks. Faculty advisor and staff at the host institution may assign readings from discipline-specific sources.

Textbooks

Author

Title

Publisher

Date

ISBN

No Value

No Value

No Value

No Value

No Value

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

Description

Readings may be assigned by Faculty Advisor

Author

No value

Citation

No value

Online Resource(s)

No value

Materials Fee

No value

Learning Outcomes and Objectives

Course Objectives

Conduct independent discipline-specific research activities.

Demonstrate a specific in-depth knowledge in the discipline involved.

SLOs

Apply concepts and knowledge of discipline-specific materials to research projects, essays, and other assignments. Expected Outcome Performance: 70.0

<i>ILOs</i> Core ILOs	Analyze and solve problems using critical, logical, and creative thinking; ask questions, pursue a line of inquiry, and derive conclusions; cultivate creativity that leads to innovative ideas.
	Demonstrate depth of knowledge in a course, discipline, or vocation by applying practical knowledge, skills, abilities, theories, or methodologies to solve unique problems.
	Practice ethical and responsible behavior within personal, academic, professional, social, and societal contexts; recognize and welcome diverse lifestyle choices that promote physical, intellectual, psychological, and social well-being.
<i>AT</i> Flight Attendant - Certificate	Demonstrate skills required to seek and obtain employment as a flight attendant
	demonstrate knowledge of location and use of aircraft emergency equipment
	demonstrate skills required during emergency evacuation of aircraft
	identify and assess behavior patterns associated with panic
<i>AT</i> Aviation Administration - A.S. Degree Major	demonstrate an understanding of the differences and similarities between general aviation and commercial aviation.
	demonstrate the skills required to establish and manage airport operations.
	identify effective techniques of flight training and flight school management.
<i>AT</i> Aviation Administration - Certificate	demonstrate an understanding of the differences and similarities between general aviation and commercial aviation.
	demonstrate the skills required to establish and manage airport operations.
	identify effective techniques of flight training and flight school management.

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

No value

Laboratory/Studio Content

Research project (54-162 hours)

Total hours: 54-162

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