



COURSE OUTLINE : AT 49
D Credit – Degree Applicable
COURSE ID 008309
Cyclical Review: November 2020

COURSE DISCIPLINE : AT
COURSE NUMBER : 49
COURSE TITLE (FULL) : Aviation and Transportation Independent Study
COURSE TITLE (SHORT) : AT Independent Study

CATALOG DESCRIPTION

AT 49 provides well-qualified students with an opportunity to explore a subject in greater depth than usual, to familiarize students with some basic research techniques, to interest students in possible career areas, and to take advantage of special academic interests. Emphasis shall be on individual research projects, library research and preparation of research papers. There is no prescribed course content. Students develop a research project, have it approved by the sponsoring instructor and appropriate division chairperson, then submit the finished project, which may be library research, or perhaps a supervised experimental program related to a specific course of instruction. Registration is open to any student at GCC who is currently registered for 6 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 6 units per division. The units received may be acceptable for college transfer subject to the approval of the individual college.

Total Lecture Units: 0.00

Total Laboratory Units: 1.00-3.00

Total Course Units: 1.00-3.00

Total Lecture Hours: 0.00

Total Laboratory Hours: 54.00-162.00

Total Laboratory Hours To Be Arranged: 0.00

Total Contact Hours: 54.00-162.00

Total Out-of-Class Hours: 0.00

Prerequisite: Concurrent registration in 6 or more units.



ENTRY STANDARDS

	Subject	Number	Title	Description	Include
1				skills expectations: varies with subject and research area choice.	Yes

EXIT STANDARDS

- 1 conduct independent discipline-specific research activities;
- 2 demonstrate a specific in-depth knowledge in the discipline involved.

STUDENT LEARNING OUTCOMES

- 1 apply concepts and knowledge of discipline-specific materials to research projects, essays, and other assignments

COURSE CONTENT WITH INSTRUCTIONAL HOURS

	Description	Lecture	Lab	Total Hours
1	Research project (54-162)	0	162	162
				162

OUT OF CLASS ASSIGNMENTS

- 1 research project.

METHODS OF EVALUATION

- 1 research project.

METHODS OF INSTRUCTION

- Lecture
- Laboratory
- Studio
- Discussion
- Multimedia
- Tutorial
- Independent Study



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- Collaboratory Learning
- Demonstration
- Field Activities (Trips)
- Guest Speakers
- Presentations

TEXTBOOKS

Title	Type	Publisher	Edition	Medium	Author	IBSN	Date
No required textbooks. Readings may be assigned by Faculty Advisor.							