

REC 205: ADVANCED AUDIO TECHNOLOGY

Citrus College Course Outline of Record

Heading	Value
Effective Term:	Winter 2021
Credits:	4
Total Contact Hours:	126
Lecture Hours :	54
Lab Hours:	72
Hours Arranged:	0
Outside of Class Hours:	108
Prerequisite:	REC 105, REC 115, REC 125, REC 135, REC 145.
Corequisite:	REC 215, REC 225, REC 235, REC 245.
Transferable to CSU:	Yes
Transferable to UC:	No
Grading Method:	Standard Letter

Catalog Course Description

This course is an advanced study of new technologies and techniques in multi-track recording, editing and mixing, as well as surround recording and mixing for post-production. 54 lecture hours, 72 lab hours.

Course Objectives

- Demonstrate competency with digital and analog audio technology
- Demonstrate thorough understanding of signal flow and ability to troubleshoot problems in the the recording process
- Demonstrate ability to manage studio sessions and scheduling
- Demonstrate ability to serve as a producer for a recording project

Major Course Content

1. Studio orientation – signal path, hardware and software set-up
2. Advanced miking techniques – alternate placement / choices and re-recording
3. Large format consoles – digital & analog, function and layout
4. Punching in and out – track, performance and management
5. Console automation – advanced techniques for mixing
6. Advanced recording with frequency, dynamics and time-based signal processors
7. Audio post-production for motion pictures, television, and other venues and media
8. Advanced stereo mixing and record production techniques
9. Surround mixing – 5.1 surround hardware and techniques

Lab Content

1. Signal path and patch bay operations
2. Stereo miking, re-amping
3. Console set-up, routing and functions
4. Punching techniques, overdubs and compositing of takes
5. Advanced mixing and console automation

6. Audio-post production, spotting for foley, sfx, and dialogue
7. Surround sound mixing, 5.1 set-up

Suggested Reading Other Than Required Textbook

Industry-related periodicals and journals.

Examples of Required Writing Assignments

Students will prepare a 3-page essay identifying project costs for pre-production, production and post-production.

Examples of Outside Assignments

Students will resource various digital media for use in individual and group projects.

Instruction Type(s)

Lecture, Lab, Online Education Lecture, Online Education Lab