

**NOVA COLLEGE-WIDE COURSE CONTENT SUMMARY  
MUS 227 - EDITING AND MIXDOWN TECHNIQUES (3 CR.)**

**Course Description**

Introduces the theories and practice of digital editing and mixdown techniques. Provides the skills necessary to edit, mixdown, externally reprocess, and otherwise manipulate multi-track original recordings into finished master recordings. Lecture 2 hours. Laboratory 2 hours. Total 4 hours per week.

**General Course Purpose**

This course is designed to give the student the knowledge and skills necessary to produce a finished product from rough, multi-track, digital studio recordings by using editing, remixing, and external reprocessing techniques with live audio and/or samples. Through theoretical study, experimentation with a variety of editing and reprocessing techniques, directed lab activities, and the production of various finished materials, the student will acquire basic editing, post-production, and mixdown skills.

**Course Prerequisites/Co-Requisites**

Enrollment in the Recording Technology Certificate program and completion of all 100 level recording technology certificate courses.

**Course Objectives**

Upon completion of this course, the student should be able to:

- demonstrate knowledge and skills in editing techniques of digital recording
- consistently produce undetectable edits
- demonstrate the use of effects generation, dynamic range processors, and equalization
- effectively produce digital master recordings
- consistently produced broadcast quality audio for varying media such AM radio, FM radio, television, and multi-media computer applications
- effectively use a digital audio workstation [DAW]
  - understand the function of all persons involved in post-production

**Major Topics to be Included**

- Electronic editing techniques
- Digital audio workstation use and techniques
- Use of reprocessing devices such as effects generators, dynamic range processors, equalization, etc.
- Master production for digital, analog, CD, broadcast, and multi-media presentation
- All Protocols windows and parameters
- Keyboard short cuts in Protocols and Macintosh
- Dithering and the final mix
- Routing, gain staging and mixdown