

**NOVA COLLEGE-WIDE COURSE CONTENT SUMMARY
MUS 278 - MULTICHANNEL RECORDING WORKSHOP (2 CR.)**

Course Description

Provides the opportunity to improve and refine multichannel recording techniques in a seminar and project format. Emphasizes hands-on laboratory experiences in multichannel recording, overdubbing, and mixdown techniques. Lecture 1 hour. Laboratory 2 hours. Total 3 hours per week.

General Course Purpose

This course is designed to introduce students to analog recording theory and practice and allow them to develop basic skill and competency in the use of multi-channel mixers, tape recorders, microphones, and basic outboard processing in the production of professional quality two-channel analog recordings.

Through theoretical study, experimentation with a variety of recording techniques and directed lab/studio activities, the student will acquire a basic background in the field of audio recording.

Course Prerequisites/Co-requisites

All 100 level MSRT courses must be completed and division approval.
Students must be ready to purchase the required amount of magnetic tape for their final project.

Course Objectives

At the end of this unit in basic recording techniques, the student will be able to:

- Understand electronic theory as it applies to the magnetic recording process
- Demonstrate skills in basic microphone selection, utilization and placement
- Set up and operate a stereo mixer
- Read and understand basic schematic and block diagrams as found in the recording industry
- Read and interpret specifications as standards pertaining to recording tape, microphones, and recording equipment
- Perform routine maintenance on equipment found in the recording studio

Major Topics to be Included

- Historical background of magnetic recording
- Basic electronics, reading schematics, block diagrams and specifications, equipment terminology
- The magnetic recorder/reproducer, theory of operation, use, maintenance, and troubleshooting
- Microphones: theory of operation, types, patterns, specifications, and placement techniques
- The stereo mixing board, theory of use, practical applications
- Editing techniques.
- Live recording sessions