



MUSC 1200

Division: Fine Arts

Department: Music

Course: MUSC 1200

Title: Introduction to Music Technology

Catalog Description:

This course introduces various types of computer technology and audio hardware and its application to music. The course includes instruction in music notation, MIDI sequencing, digital recording and public address applications. The course also includes an introduction to computer-aided music education software programs.

General Education Requirements: N/A

Semesters Offered: TBA

Credit/Time Requirement: Credit: 1; Lecture: 2; Lab: 0

Clock/Hour Requirements: 0

Offered for Non-Credit: No

Prerequisites: None

Corequisites: None

Justification:

As with other fields of endeavor, the personal computer has revolutionized the study, production and distribution of music. An understanding of this technology is critical for musicians at every level. This type of course is offered (and often required) for music majors at four-year institutions in the State of Utah, and is a regular course offering around the country. This course will transfer as elective and/or major credit. The Horne School of Music at Snow College is an accredited member of The National Association of Schools of Music (NASM).

Student Learning Outcomes:

As a result of taking this course students will:

- understand the process of music recording, both digital and analogue from a historical and technological perspective;
- understand MIDI (Musical Instrument Digital Interface) and its various applications in music pre-production, production and performance;
- be able to use various software platforms related to the production and dissemination of digitally recorded music (Representative software platforms include Digital Performer, Pro Tools, Logic, Reason and iTunes);
- be able to use music notation software for the production of printed musical scores (Representative

software includes Finale and Sibelius);

- be able to identify the various cable and connector types used in professional audio and their application (Additionally, students will be able to set up for and run a live musical event using a multi-channel PA system);
- be able to use and evaluate computer-aided music software programs for the classroom (Representative software includes Practica Musica).

Content:

The following topics will be covered in the course:

- basic computer skills for MAC and PC operating systems
- Digital Audio Workstation (DAW) set up
- music notation software and its application to music copying, composition, arranging, teaching
- MIDI sequencing and its applications to music composition, arranging, programming and editing
- digital audio software and hardware application to audio recording, editing, mastering, and mixing
- basics of live sound reproduction
- review of CAI (Computer Assisted Instruction) software

General Education Outcomes:

9) Respond with informed sensitivity to an artistic work or experience.

Students are required to exercise artistic sensitivity as they record and edit their work. Such decisions include issues related to pitch, articulation, timbre, rhythmic accuracy, blend and balance. Students show mastery of these skills through completion of small-group assignments with instructor feedback suggesting improvements.

Applied Education Outcomes:

1) Students will acquire entry-level skills specific to and appropriate for employment in their chosen field of study.

Students completing this course will have acquired the necessary knowledge of computer platforms to apply for work as a music copyist (notation specialist), entry-level sound engineer or MIDI keyboard specialist. In addition, students completing this course can use their knowledge to create home studios for the production and distribution of their own compositions. Students show mastery of these skills through completion of small-group assignments with instructor feedback suggesting improvements as well as written examinations.

Key Performance Indicators:

Students will be assessed using the following measures:

- Participation: Attendance at each class session
- Written assignments: diagrams of basic signal flow
- Exams: midterm and final exams

- Group projects: lab assignments in groups
- Presentations: students will play created works

Representative Text and/or Supplies:

Emile D. Menasche. *The Desktop Studio: A Guide to Computer-Based Audio Production*. Hal Leonard, current edition.

Optimum Class Size: 12

Maximum Class Size: 16

Signatures:

I hereby submit this course syllabus:

Vance Larsen, MM, Associate Professor

I hereby find this course consistent with the goals and resources of the Music Department:

Steve Meredith, DMA, Associate Professor, Chair

I hereby find this course consistent with the goals and resources of the Fine Arts Division:

Vance Larsen, MM, Associate Professor, Dean

I have discussed the need for library resources related to this class with the person submitting the syllabus:

Lynn Anderson, MLIS, Technical Services Librarian (Main Campus)

Michelle Olsen, MLS, Campus Librarian (Richfield Campus)