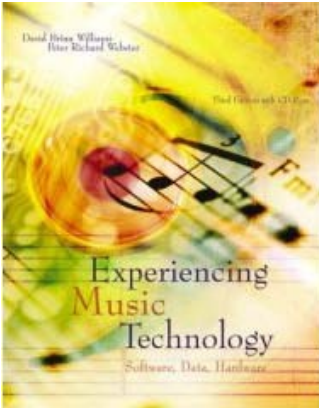


Sample Syllabus

Music Technology Fundamentals and Applications

Instructor: Robert E. Thomas, Ph.D.
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Required Course Materials



Experiencing Music Technology, 3rd Edition (Williams and Webster)
1 set of Headphones (1/4" jack)
CD-R(s) and/or USB Flash Drive for Weekly Assignments

Description

An introduction to the fundamental techniques, equipment and applications of contemporary music technologies. Computer and internet basic and music-related software will be studied in their applications and potential tools for education, composition and performance. Aspects of MIDI (Musical Instrument Digital Interface), analog and digital audio, acoustics, music notation, and multimedia will be examined, as well as the fundamentals of sequencing.

Objectives

- Identify the basic components of a computer music workstation and their function
- Correctly configure and connect workstation hardware/software
- Understand common MIDI and audio applications – including notation, sequencing, and CAI software
- Use a computer music workstation (hardware, software and the internet) to create musical compositions and multimedia presentations

Students should be able to continually demonstrate competency with all assigned material.

Procedures

Classes will include lecture/demonstrations. Students are expected to complete assignments between classes. Students are to sign in when using the studio, and are advised to schedule an appropriate amount of studio time per week for the semester.

Many lectures will include an on-line component (PDF's and/or Flash presentations). Students should have these open in order to follow along with the lectures. Unless indicated otherwise, these materials will be located on Blackboard.

Attendance

Attendance is mandatory. Students will be responsible for all material covered in class lectures.

Grading

Student participation and progress through the semester will be an important factor in the grade. Any work that is handed in must be done in **pencil** (ink *will not* be accepted) and must be **very neat** (sloppy work will not be accepted). Pages must be clipped or stapled together. **Absence from class is not an excuse for not completing assignments.**

There will be a Midterm, a Final Project, and a Final Exam in addition to regular assignments.

Late work will not be accepted.

Final Project

The final project will consist of a multimedia PowerPoint presentation. The presentation will include score and audio examples. Projects will be presented to the class during the last week of the semester.

Grading Scale

A	90 - 100%
B+	85 - 89%
B	80 - 84%
C+	75 - 79%
C	70 - 74%
D	65 - 69%
F	0 - 64%

Grading Percentage Breakdown

Grades will be given for all homework, tests, and major exams, as follows:

Homework	30%
Progress and Participation	10%
Midterm	20%
Final Project	20%
Final Exam	20%

Tentative Course Outline

<u>Week #</u>	<u>Topic</u>	<u>Assignment</u>
Week 1	Introduction and Orientation Word-processing, Email, and Internet basics	Create a Resume Create a concert program using the Internet to research program notes
Week 2	Music Workstation Hardware and Software Introduction to MIDI and Digital Audio	Compose a single-line melody
Week 3	Introduction to Sequencing MIDI and Digital Audio	Sequence single-line melody Harmonize single-line melody in 4 parts
Week 4	Sequencing Mixing and Mastering	Sequence 4-part harmonization Burn 4-part harmonization to CD
Week 5	Finale	Research and review Notation software packages Notate single-line melody
Week 6	Finale	Notate 4-part harmonization
Week 7	Mid-Term	
Week 8	Finale	Notate a string quartet score
week 9	Finale	Notate a large ensemble score Create a set of parts
Week 10	Web programming Streaming Audio Podcasting	Create a web page Prepare audio file for streaming over the Internet
Week 11	CAI software	Set up web page for streaming audio Research and review CAI software
Week 12	PowerPoint	Final Project proposal
Week 13	PowerPoint	Final Project Outline
Week 14	Research	
Week 15	Final Project Presentations	