



Course Syllabus

Course Code	Course Title	ECTS Credits
MUTX-140	Introduction to Music Technology	6
Prerequisites	Department	Semester
N/A	Music & Dance	Fall/Spring
Type of Course	Field	Language of Instruction
Concentration	Music Technology	English
Level of Course	Lecturer(s)	Year of Study
1 st Cycle	Dr. Haris Sophocleous	1 st
Mode of Delivery	Work Placement	Corequisites
Face-to-face	N/A	N/A

Course Objectives:

The main objectives of the course are to:

- Familiarize the students with the major music notation software and sequencers used by professional musicians.
- Introduce the students to the concepts of MIDI and elementary acoustics.
- Equip the students with the ability to handle the essential hardware available today for project studios.
- Introduce the students to basic midi composition tools and techniques.

Learning Outcomes:

After completion of the course students are expected to be able to:

1. Demonstrate adequate knowledge of the software most commonly used by professional musicians.
2. Define the basic studio setup and the possibilities offered by combining different software and hardware.
3. Create Orchestral or Contemporary scores using notation software.
4. Demonstrate appropriate knowledge of VST instruments and their sound manipulation capabilities.
5. Produce a basic Midi Composition using the various VST instruments and tools available through their DAW.

Course Content:

- Introduction to acoustics and spectral analysis.
- Introduction to Midi and basic studio setup.
- Music Notation software basic features. Making new scores, assigning instruments, typing into score. Basic editing features.
- Music notation software advanced features. Working in detail with the various tools. Writing lyrics to score.
- Introduction to Sequencing. Making Connection Settings. Working in Project Window.
- Sequencing: First steps in to Midi Recording. Dealing with Midi Parts and Events. Working with VST Instruments, assigning sounds.
- Sequencing: Advanced Midi Editing. Using various Tools. Working with Key and Drum Editors.
- Sequencing: Continuing with Advanced Features. Using List and Tempo-Track Editors. Midi Composition & Orchestration.
- Working with sound files: extracting sound files from CDs, mp3, finding and downloading sound files, burning CDs and DVDs
- Elementary acoustics: sound waves, instrument and room acoustics, basic electronic techniques/synthesis and its psychoacoustics repercussions.
- Elementary recording techniques: recording, mixing, music recording and mixing software, creating CDs and demos.

Learning Activities and Teaching Methods:

Lectures; assignments; projects; exams; class participation

Required Textbooks / Readings:

Title	Author(s)	Publisher	Year	ISBN
An Introduction to Music Technology	Hosken, Daniel W.	Routledge	2011	0-203-84951-5

Recommended Textbooks / Readings:

Title	Author(s)	Publisher	Year	ISBN
The Desktop Studio: Revised Edition	Menasche, Emile D.	Hal Leonard	2009	978-1423463313