



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
General elective	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	None

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:

- Demonstrate adequate knowledge of the software most commonly used by professional musicians.
- Define the basic studio setup and the possibilities offered by combining different software and hardware.
- Create Orchestral or Contemporary scores using notation software.
- Demonstrate appropriate knowledge of VST instruments and their sound manipulation capabilities.
- 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

Assessment Methods:

Attendance; In class projects; Mid-Term Exam; Final Exam

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
<i>The Complete Guide to Music Technology Using Cubase 11</i>	Darren Jones	Independently published	2020	979-8649957618
<i>The Desktop Studio: Revised Edition</i>	Menasche, Emile D.	Hal Leonard	2009	978-1423463313