UNIVERSITY OF NICOSIA
ΠΑΝΕΠΙΣΤΗΜΙΟ ΛΕΥΚΩΣΙΑΣ

MUS-135 Computer Music Technology I

Course Code MUS-135	**Course Title** Computer Music Technology I	**ECTS Credits** 5
Department Music & Dance	**Semester** Spring	**Prerequisites** None
Type of Course Required	**Field** Computer Music	**Language of Instruction** English
Level of Course 1st Level	**Year of Study** 1st	**Lecturer(s)** Michalis Chrysanthou
Mode of Delivery Face-to-face	**Work Placement** N/A	**Co-requisites** None

Objectives of the Course

1. Help students gain familiarity with major music notation software and sequencers used by professional musicians
2. Introduce MIDI and elementary acoustics
3. Introduce basic hardware available today for project studios
4. Introduce 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. Record 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 Contents

- Introduction to Midi and basic studio setup.
- Finale basic features. Making new scores, assigning instruments, typing into score. Basic editing features.
- Finale advanced features. Working in detail with the various tools. Writing lyrics to score.
- Introduction to Cubase. Making Connection Settings. Working in Project Window.
- Cubase: First steps in to Midi Recording. Dealing with Midi Parts and Events. Working with VST Instruments, assigning sounds.
- Cubase: Advanced Midi Editing. Using various Tools. Working with Key and Drum Editors.
- Cubase: 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, electronic acoustics
- MIDI basics
- 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

Mid-Term Exam; Final Exam; Class Participation, Projects

Required Textbooks/Reading

Authors	Title	Publisher	Year	ISBN
Menasche, Emile D.	*The Desktop Studio: Revised Edition*	Hal Leonard	2009	978-1423463313
David Miles Huber	*The Midi manual: 3rd edition*	Focal Press	2007	978-0240807980

Recommended Textbooks/Reading

Authors	Title	Publisher	Year	ISBN
Nick Collins	*Introduction to Computer Music*	Wiley	2010	978-0470714553