



Course Syllabus

Course Code	Course Title	ECTS Credits
MUTX-315	History of Electronic Music	6
Prerequisites	Department	Semester
None	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	3 rd
Mode of Delivery	Work Placement	Corequisites
Face-to-face	N/A	N/A

Course Objectives:

The main objectives of the course are to:

- Explore in depth the various branches of electronic music and its social consequences.
- Introduce the students to the technological developments of the 19th Century up to the 21st Century.
- Examine how different aesthetics emerged from the use of technology.
- Explore some of the key composers of Electronic music as well as their most influential works.
- Provide the students with the ability to evaluate the aesthetic principles that inform their compositions.

Learning Outcomes:

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

- 1) Illustrate their understanding of the literature, diverse genres, styles and mastery related to electronic music.
- 2) Demonstrate competency in aural and written comprehension of various electronic styles.
- 3) Employ a wide-ranging knowledge of specific stylistic idioms.
- 4) Evaluate electronic compositions
- 5) Demonstrate their analytical skills and techniques.

Course Content:

- Electronic Music before 1945 (Telharmonium, Futurism, Varese, Le De Forest, Heterodyning technique, Theremin, Rhythmicon, Ondes Martenot).
- Early Recording Technology (Phonograph, Telegraphone, Wire recorder, Magnetophone).
- Early Electronic Music in Europe (Grammophonmusik, Gesprochene Music, Musique Concrete vs Elektronische Musik).
- Early European Studios (RAI, WDR, RTF, Philips Research Laboratories).
- Electronic Music in the United States (Louis and Bebe Barron, John Cage, Columbia-Princeton Electronic Music Center).
- Tape Composition and fundamental concepts of Electronic Music.
- Early Synthesizers (RCA synthesizer).
- Other Electronic Instruments.
- Principles of Analog Synthesis and Voltage Control (Signal Modulation, Sequencer, Subtractive Synthesis).
- The Voltage-Controlled Synthesizer (Moog, Minimoog, Buchla, EMS VCS3, ARP 2600).
- Early Digital Synthesizers (Synclavier, Fairlight CMI, VL-1).
- The Microprocessor Revolution.
- Ambient Music, Exotica, Minimalism, Live Electronic Music, Space Music.
- Rock, Space Age Pop, Experimental Turntablism.

Learning Activities and Teaching Methods:

Lectures; Discussions; Student participation; Class assignments; Videos; Exams.

Required Textbooks / Readings:

Title	Author(s)	Publisher	Year	ISBN
Electronic and Experimental Music	Thom Holmes	Routledge	2008	0-203-92959-4

Recommended Textbooks / Readings:

Title	Author(s)	Publisher	Year	ISBN
How Time Passes By	Karlheinz Stockhausen	Die Reihe	1957	0486-3267
The Liberation of Sound	Edgard Varese	Perspectives of New Music	1966	http://www.jstor.org/stable/832385

Futurism Manifestos	Richard Humphreys	MFA Publications	2001	9780878466276
Sketch of a New Esthetic of Music	Ferruccio Busoni	Forgotten Books	2015	978-1330577400