ELC322 MULTITRACK RECORDING, EDITING & MIXING TECHNIQUES

Course Title	**MULTITRACK RECORDING, EDITING & MIXING TECHNIQUES**				
Course Code	**ELC322**				
Course Type	**ELECTIVE**				
Level	**BA**				
Year / Semester					
Teacher's Name	Andreas Trachonitis				
ECTS	6	Lectures / week		Laboratories / week	3
Course Purpose and Objectives	This course aims to provide an in depth theoretical analysis and hands on practical training of the digital audio signal flow. In depth recording and mixing applications will be introduced with examples and practices. Students will be introduced to an in depth operational and hands on experience of the Control 24 mixing console and other parameters. Recording, mixing and live concert applications are another section of the analysis and practices presented to the students.				
Learning Outcomes	• Upon completion of the course, students should be able: • to develop an understanding of the digital audio workstation environment; • • to demonstrate an extensive study of digital audio concepts and practices; • to operate the studio digital recording, mixing and live set up applications; • to apply concepts and techniques which enhance post production and mixing procedures; • to produce a music video clip from inception to finish through preproduction planning, studio recording and hands-on production				
Prerequisites	None		Required	None	
Course Content	• Introduction to the digital studio recording environment and procedures • Introduction to the environment in which digital recording studio flow operates • . Recording techniques, industry secrets and signal processing applications. • The Three Production Phases: Recording, Mixing and Post. • How the Control 24 works Developing a Brand Equity Measurement & Management System • Introduction to the digital recording/ mixing console Pro Control 24 operations and its parameters. Applications of the parameters, the				

	types of recordings, plug-ins characteristics of and their functionalities. • Live concert set up
Teaching Methodology	• Lectures, presentations and directions together with theory and critical analysis each student will be engaged in the practice and disciplines of digital audio recording procedures, applications and techniques. Lectures address the theory of digital audio recording within the Pro Control 24 framework. Production techniques in which the information imparted is put into practice by the students. Screenings and demonstrations are used to critically analyse student projects and to provide examples of good practice. This process is supported by individual student research through directed and independent learning.
Bibliography	• Savage, S. (2011) The art of digital audio recording: a practical guide for home and studio, Oxford: Oxford university Press. - Owsinski, B. (2017) The Mastering Engineer's Handbook 4th Edition, Bobby Owsinski Media Group. - Rogers, J. (2017) Audio Mastering Secrets: The Pros Don't Want You To Know! (Home Recording Studio, Audio Engineering, Music Production Secrets Series: Book 1, Band 1), Independently published - Thompson, D.M. (2018) Understanding Audio: Getting the most out of your project or professional recording studio, USA: Berklee Press ; Revised edition. Magazines & Websites www.gearslutz.com Tape Op, Sound on Sound, EQ. Think with Google https://www.thinkwithgoogle.com/ • Digiday https://digiday.com/ • HubSpot Company News https://www.hubspot.com/company-news • Official YouTube Blog https://youtube.googleblog.com/.
Assessment	The Students are assessed via continuous assessment throughout the duration of the Semester, which forms the Coursework grade and the Final Project. The coursework and the final project grades are weighted 50% and 50%, respectively, and compose the final grade of the course. Various approaches are used for the continuous assessment of the students, such as mid-term test, class participation and laboratory work, group project design, implementation and presentation. The assessment weight, date and time of each type of continuous assessment is being set at the beginning of the semester via the course outline. **Project 1 & 2** concern work in some of the themes mentioned above in the course contents. The students will have to work individually in order to produce their work and then present it to the rest of the class. The active participation in class and in the activities that the course may suggest is also taken into consideration.

	Final Project is again individual and the students are assessed for their ability to link the theoretical knowledge with the practical execution. In this case we are dealing with a radio programme production.
	Project 1 & 2: 50%
	Final Project 50%
	Students are assessed on the following:
	Knowledge and understanding - 30%
	In – depth knowledge and understanding towards the relevant topics of interest.
	Research and Analytical Skills - 40%
	Competence in research methods and ability of evaluating the results. The possibility of using them in different ways.
	Presentation and Communication - 30%
	Able to explain and defend the solutions given by them in a way to transmit the knowledge achieved beforehand.
Language	Greek