Course Title	**MULTITRACK RECORDING, EDITING & MIXING TECHNIQUES**				
Course Code	**CVC419**				
Course Type	Visual Communication Elective				
Level	Bachelor				
Year / Semester	4th Year / 7th or 8th Semester				
Teacher's Name	Andreas Trachonitis				
ECTS	6	Lectures / week		Laboratories / week	3
Course Purpose	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 pre-production planning, studio recording and hands-on production.				
Prerequisites	**FVC308**		Corequisites	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**				

	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**
	Development of the production of a live show based on its size and venue.
	Design the setup of the show.
	Techniques based on the requirements of each band.
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	**Bibliographical References:** - 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.
Assessment	Overall the course is evaluated as follows: **Final Assessment 34%** - Design Intelligence 40%, - Research and Methodology 20%, - Experimentation and Analysis 20% - Time management and Presentation 20% **Course work 66%*** - Interim Critique 33% - Final Critique 33% - Midterm Project - 30% - Final Project - 50%

	- Presentation/Participation - 20%
	Students must produce 2 projects. The first one is a radio show where they will write the script, record and produce it. The second project is a music video clip which will include the studio recording of a band, and the creation of a video clip. Each work is then critically analyzed in a group discussion and screening.
	The active participation in class and the activities that the course may suggest is also taken into consideration.
	The Final Assessment is individual and it's carried out at the end of the semester. Special emphasis is given to the final presentation of all projects before a panel of programme tutors and the programme supervisor.
	The final grade of the course will take into account the assessment techniques mentioned above and the evolution of the student throughout the semester.
	Assessment Criteria for each one of the projects are:
	Knowledge and understanding - 20%
	Research and Analytical Skills - 20%
	Production competency and solution - 40%
	Presentation and Communication - 20%
Language	English