

FVC307 - AUDIO PRODUCTION & TECHNOLOGY

Course Title	AUDIO PRODUCTION & TECHNOLOGY			
Course Code	FVC307			
Course Type	Required			
Level	Bachelor			
Year / Semester	3 rd Year / 5 th Semester			
Teacher's Name	Andreas Trachonitis			
ECTS	6	Lectures / week		Laboratories / week 3
Course Purpose	This course aims to introduce students to basic sound theory, audio signal flow and to the basic applied principles of the recording studio. The course will provide students the ability to use Pro Tools efficiently to do basic audio editing and mixing and to use the Audio-Visual studio to learn recording techniques.			
Learning Outcomes	<p>Upon completion of the course students should be able to:</p> <ul style="list-style-type: none"> • identify and discuss the basic acoustic theory applied in the audio recording and production environment. • explain and analyze the signal flow of a recording studio. • apply first level recording and production applications. • develop an understanding and gain first level hands on experience on applied methods and techniques in a recording and production environment. 			
Prerequisites	None	Corequisites	None	
Course Content	<p>Sound Recording History</p> <p>How sound was recorded and reproduced from the 1900.</p>			

	<p>The Three Production Phases.</p> <p>Audio Pre-production, Production, Post-production. Theory of Digital Audio Technology.</p> <p>Introduction to Pro Tools.</p> <p>The Mix and Edit Workspace. Editing Tools. Mixing Tools. Signal Flow within Pro Tools.</p> <p>Microphones</p> <p>The different types of microphones. The microphone polar patterns. Basic microphone placement techniques.</p> <p>Acoustics</p> <p>Basic sound theory.</p>
Teaching Methodology	<p>Power point presentations, demonstrations and audio samples together with detailed critical analysis on every lecture engage students in the practice and disciplines of audio production. Lectures address the theory of audio production and are supported by practical demonstrations in which the information imparted is put into practice. Multitrack audio examples are demonstrated in class and are used to critically analyse audio production recording/editing and mixing techniques. Student projects require them to work as a team and meet strict deadlines. They are also required to “hire” people outside their college environment to “work” for them.</p>
Bibliography	<p>Bibliographical References:</p> <ul style="list-style-type: none"> - Thompson, M, D. (2018), <i>Understanding Audio: Getting the Most Out of Your Project or Professional Recording Studio</i>, Berklee Press. - Huber, M, D. (2017), <i>Modern Recording Techniques</i>, 9th Edition, Taylor & Francis Ltd

	<p>- Gibson, D. (2018), <i>The Art of Mixing: A Visual Guide to Recording, Engineering, and Production</i>, Taylor & Francis Inc.</p>
<p>Assessment</p>	<p>The overall course is evaluated as follows:</p> <ul style="list-style-type: none"> • Final Assessment 34% • Design Intelligence 40%, • Research and Methodology 20%, • Experimentation and Analysis 20% • Time management and Presentation 20% <ul style="list-style-type: none"> • Course work 66%* • Interim Critique 33% • Final Critique 33% <p>In order to identify and assess skill level and to maintain a balance of hands-on, theoretical, and creative applications of audio, this course will incorporate a final project and two tests.</p> <ul style="list-style-type: none"> • Mid-Term / Quiz 20% • Mid-Term Practical Exam 30% • Final Project 40% • Class Participation 10% <p>In the Mid-Term/Quiz students are assessed on the following:</p> <ul style="list-style-type: none"> • Written examination on the basic sound theory, audio signal flow and to the basic applied principles of the recording studio. <p>In the Mid-Term Practical Exam students are assessed on the following:</p> <ul style="list-style-type: none"> • Execution and technical competence on basic audio editing and mixing.

	<p>For the Final Project the students are required to complete a radio commercial. The project requires them to write a short script for the commercial, find a Voiceover artist, record the voiceover during class and then edit and mix the final “product”</p> <p>The active participation in class and in the activities that the course may suggest is also taken into consideration.</p> <p>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 program tutors and the program coordinator.</p> <p>The final grade of the course will take into account the assessment techniques mentioned above and the evolution of the student throughout the semester.</p> <p>Assessment Criteria for each one of the projects are:</p> <p>Knowledge and Understanding - 20%</p> <p>Research and Analytical Skills - 10%</p> <p>Production competency and solution - 40%</p> <p>Presentation and Communication - 30%</p>
Language	English