



## UNIVERSITI TEKNOLOGI MARA

### FTS421: SOUND DESIGN AND AUDIO TECHNOLOGY

<b>Course Name (English)</b>	SOUND DESIGN AND AUDIO TECHNOLOGY <b>APPROVED</b>
<b>Course Code</b>	FTS421
<b>MQF Credit</b>	3
<b>Course Description</b>	Students will be exposed to the theory and brief history of audio and sound technology. This course provides the knowledge and understanding regarding the basic techniques of equipment handling and its functions. The basic techniques which apply in the sound effect projects and the procedure in sound production process for related performance will also be taught. In addition, students will learn basic techniques to conduct research and formulate studio work
<b>Transferable Skills</b>	Technology Artistic Creative
<b>Teaching Methodologies</b>	Lectures, Blended Learning, Lab Work, Presentation
<b>CLO</b>	CLO1 Outline the importance of audio and sound history in the development of the creative industries ( C1 ) CLO2 Station a MIDI set-up and workstation system in related productions (P2) CLO3 Organise a basic sound system in a production with guidance ( A4 )
<b>Pre-Requisite Courses</b>	No course recommendations
<b>Topics</b>	
<b>1. Brief history and Introduction in audio and sound technology equipment</b> 1.1) Teleharmonium	
<b>2. Introduction to MIDI and Basic Audio</b> 2.1) Musical Instrument Digital Interface	
<b>3. Brief history and Introduction in audio and sound technology equipment</b> 3.1) Ondes Martenot	
<b>4. MIDI Set-up and Introduction to controllers</b> 4.1) Hexadecimal, Binary, Decimal	
<b>5. Intro to Audio and Sound Equipment</b> 5.1) Audio Mixer	
<b>6. Intro to Audio and Sound Equipment</b> 6.1) Microphone	
<b>7. Intro to Audio and Sound Equipment</b> 7.1) Sound Studio Equipment	
<b>8. Introduction to Sound Production for Stage</b> 8.1) Equipment and setup	
<b>9. Introduction to Sound Production for film and tv</b> 9.1) Sound production and analysis	
<b>10. Intro to Audio and Sound Equipment</b> 10.1) Theremin	
<b>11. Introduction to Sound Effect External Processor and plug-ins</b> 11.1) Digital Audio Workstation	
<b>12. Basic workstation studio on Sound Production</b> 12.1) Multi track audio recording software	

**13. Workstation studio on Sound Production**

13.1) Sound composition

**14. Project Presentation**

14.1) Audio Equipment, Audio Studio, Electronic Musical Instruments. MIDI

Assessment Breakdown	%
Continuous Assessment	100.00%

Details of Continuous Assessment	Assessment Type	Assessment Description	% of Total Mark	CLO
	Final Project	Demonstate sound project	40%	CLO3
	Group Project	MiDI and Sound workstation project	30%	CLO2
	Individual Project	MIDI and Sound Theory	30%	CLO1

Reading List	Recommended Text	<ul style="list-style-type: none"> <li>Nisbett, Alec 2003, <i>The Sound Studio: Audio Techniques for Radio, Television, Film and Recording</i>, 7th Edition Ed., Butterworth-Heinemann</li> </ul>
	Reference Book Resources	<ul style="list-style-type: none"> <li>Gibson, Bill 2001, <i>Sound Advice on Equalizers, Reverbs &amp; Delays - Instantpro Series</i>, Book&amp;CD Edition, Artistpro.Com</li> <li>McComb, Gordon 1996, <i>Is This Thing On? : Sound Systems for Your Business, School, and Auditorium</i>, Revised, Prompt Pubns</li> <li>Taylor, Timothy 2001, <i>Strange Sounds : Music, Technology, &amp; Culture</i>, Routledge Publisher</li> </ul>
Article/Paper List	This Course does not have any article/paper resources	
Other References	This Course does not have any other resources	