



UNIVERSITI TEKNOLOGI MARA

CTB422: BASIC AUDIO AND SOUND

Course Name (English)	BASIC AUDIO AND SOUND APPROVED
Course Code	CTB422
MQF Credit	3
Course Description	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 analysis.
Transferable Skills	CREATIVE AND INNOVATIVE: Demonstrate the ability to dream, imagine and visualize INDEPENDENT AND CRITICAL THINKER: Demonstrate ability to apply creative, imaginative and innovative thinking and ideas to problem solving
Teaching Methodologies	Lectures, Studio, Demonstrations, Practical Classes, Listening Activity
CLO	CLO1 Outline the importance of audio and sound history in the development of the creative industries CLO2 Organize a MIDI set-up and system in related productions CLO3 Manipulate a basic sound system in a production with guidance
Pre-Requisite Courses	No course recommendations
Topics	
1. Brief history and Introduction in audio and sound technology equipment 1.1) Teleharmonium	
2. Introduction to MIDI and Basic Audio 2.1) Musical Instrument Digital Interface	
3. Brief history and Introduction in audio and sound technology equipment 3.1) Ondes Martenot	
4. MIDI Set-up and Introduction to controllers 4.1) Hexadecimal, Binary, decimal	
5. Intro to Audio and Sound Equipment 5.1) Audio Mixers	
6. Intro to Audio and Sound Equipmen 6.1) Microphone	
7. Intro to Audio and Sound Equipment 7.1) Sound Studio Equipment	
8. Introduction to Sound Production for Stage 8.1) equipment and set up sound for stage	
9. Introduction to Sound Production for film and tv 9.1) Overview of equipment, standard sound format	
10. Intro to Audio and Sound Equipment 10.1) Theremin	
11. Introduction to Sound Effect 11.1) External Processor and plug-ins	

12. Basic Analysis on Sound Production - Stage

12.1) Multi track audio recording software

13. Basic Analysis on Sound Production - Film

13.1) sound composition software for film production

14. Analysis and Project

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
	Assignment	Individual Assignment on the history and basic sound equipments	30%	CLO2
	Final Project	Final Project: application and function of sound equipment	40%	CLO3
	Individual Project	Studio Project 1: Assessment the understanding on the function of sound equipments	30%	CLO1

Reading List	Reference Book Resources
	<ul style="list-style-type: none"> • Nisbett, Alec 2003, <i>The Sound Studio: Audio Techniques for Radio, Television, Film and Recording</i>, 7th edition Ed., Butterworth-Heinemann • Gibson, Bill 2002, <i>Sound Advice on Equalizers, Reverbs & Delays - Instantpro Series</i>, Book&CD Edition Ed., Artistpro.Com • McComb, Gordon 1996, <i>Is This Thing On? : Sound Systems for Your Business, School, and Auditorium</i>, Revised Ed., Prompt Pubns • Taylor, Timothy 2002, <i>Strange Sounds : Music, Technology, & Culture</i>, Routledge Publisher US
Article/Paper List	This Course does not have any article/paper resources
Other References	This Course does not have any other resources