

Course title: IMSE FORUM

Course code: 19016406

Year/term: Year 3/term 2

Credit points: 4

Contact time: 3-hour lecture

Prerequisite: Sound recording 1

Online teaching platform: Google Meet

Lecturer and student contact via Google Classroom

Course Learning Outcomes

C1. First 10 weeks of this course provides an in-depth study of synthesiser design, history and methodology. During these 10 weeks topics like FM, additive and modular synthesis are taught with background information including famous synthesizers and their important users. Projects will consist of students to design their own theoretical synthesisers with extended understanding of synthesis methods. The remaining 4 weeks, guest lectures from the music industry will visit and do presentations about their own topics.

Generic learning outcome

- G1. students are able to communicate and speak well in public
- G2. students are responsible for all assigned work on time
- G3. students are able to work as a team.
- G4. students can use their knowledge to analyse, develop and create their own work.
- G5. students have life-long learning skills.
- G6. students has a good skill in English communication, especially, the technical communication relates to sound and acoustic engineering

Learning & Teaching Activities

Teaching activities	Learning outcome	Remarks
Lecture	C1	Every week

Assessment

Name	%	Learning outcome	Remarks
Class participation	15	-	-
Midterm project	35	-	-
Final project	50	-	-

Feedback

Activities	Remarks
Announce Final score	Week 7
Announce Midterm score	Week 15

Time table

Week no.	Lecture topics
1	Introduction to synthesis
2	Basic Synthesis Modules
3	Control Systems
4	Additive and Subtractive Synthesis
5	Modular Synthesis
6	Midterm Project
7	FM Synthesis
8	Other Synthesis methods and DIY projects
9	Synthesis in TV and Movies
10	Guest lecturer (TBA)
11	Guest lecturer (TBA)
12	Guest lecturer (TBA)
13	Guest lecturer (TBA)
14	Guest lecturer (TBA)
15	Final Project