

CS4044: Applied Digital Audio Spring 2008

INSTRUCTORS

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TIMETABLE

2A

Studio: Tuesday 9-13 – Darragh - Individual time slots to be distributed
CS1-045: Thursday 9-10 – Kerry

2B

Studio: Monday 10-14 – Darragh – Individual time slots to be distributed
CS1-045: Thursday 10-11 – Kerry

Lecture: Friday 12-13 – SG17 – Kerry

ASSESSMENTS

Labs/Practicals: 10%

-Labs and practicals are given full marks for attendance and effort. There will be no marks or make-ups for missed labs. Be sure to guarantee your work has been checked in lab.

Mid-term Assessment: 15%

Mid-term Project: 15%

Final Project: 60%

ATTENDANCE:

Studio time is tight. There is no room for make-up time. We will not schedule extra time or help you in the studio if you miss a lab. Attendance is crucial.

WARNING

As this is a project-based module, there will be no repeats. This means that if you fail the module you have to repeat the year.

GRADE MAPPING

Department-wide mapping is used:

A1: 80 and above

B1: 64 - 71

C1: 52 - 56

D1: 35 - 29

A2: 72 - 79

B2: 60 - 63

C2: 48 - 51

D2: 30 - 34

B3: 56 - 59

C3: 40 - 47

F: below 30

TOPICS

- Advanced microphone techniques
- Audio recording techniques
- Mixing Techniques
- Temporal and spectral processing algorithms
- Audio reinforcement systems
- Audio synthesis algorithms
- Real-time performance software

TEXTS

Texts will not be required this semester. However, it is strongly recommended that you have access to the following texts:

Curtis Roads, *The Computer Music Tutorial*, MIT Press, 1996.

Frances Rumsey & Tim McCormack, *Sound and Recording: An Introduction*, Focal Press, 2005.