EBU4375 Signals and Systems: Introduction

Queen Mary
University of London
Lecturers

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Weeks 1 & 2

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Weeks 3 & 4  
Module Organiser
Course contents and schedule

The main topics covered by this course are organised as follows:

- Week 1: Signals and systems in the time domain.
- Week 2: Continuous-time signals in the frequency domain.
- Week 3: Discrete-time signals in the frequency domain.
- Week 4: Sampling theory and communication systems.
Recommended textbooks

- Signals and Systems For Dummies, Mark Wickert, ISBN 978-1118475812
Prerequisite knowledge

- Complex numbers
- Graphing and functions (trigonometric, exponentials)
- Series
- Integration
Assessment

- Exam: 75%
- Class test and final assignment: 12.5%
- Lab work: 12.5%
**Timetable**

**Weeks 6, 9, 12 and 15**

- 2 hours lectures on Mon, Tue, Wed, Thu (S103)
- 1 hour lab session on Friday (S513)
  - 2017215117-18 → 11:00-12:00
  - 2017215119-20 → 10:00-11:00
  - 2017215121-22 → 9:00-10:00

**Weeks 7, 10 and 14**

- 2 hours tutorials with demonstrators (dates to be confirmed)

**Week 11**

- Class test (date to be confirmed)