Mathematical Modelling and Analysis I – ENGS103P

Induction Week

MEng Engineering and Architectural Design 2017-18

Bartlett School of Architecture

26 September 2017

About the course

- Understanding the mathematical concepts that are fundamental across all engineering disciplines
- Applying these concepts to solve real-world engineering and design problems through the development of mathematical models
- Simulating and testing of models using the software tools Matlab and Excel

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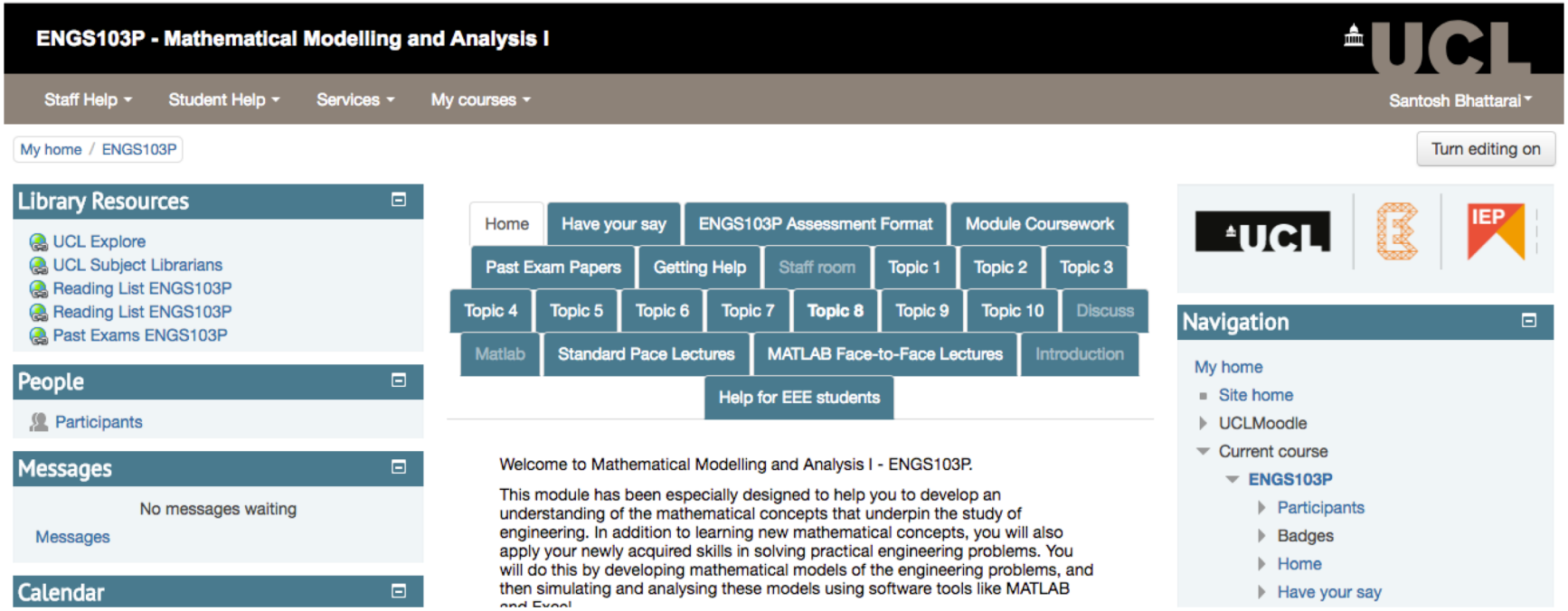
Moodle page for ENGS103P

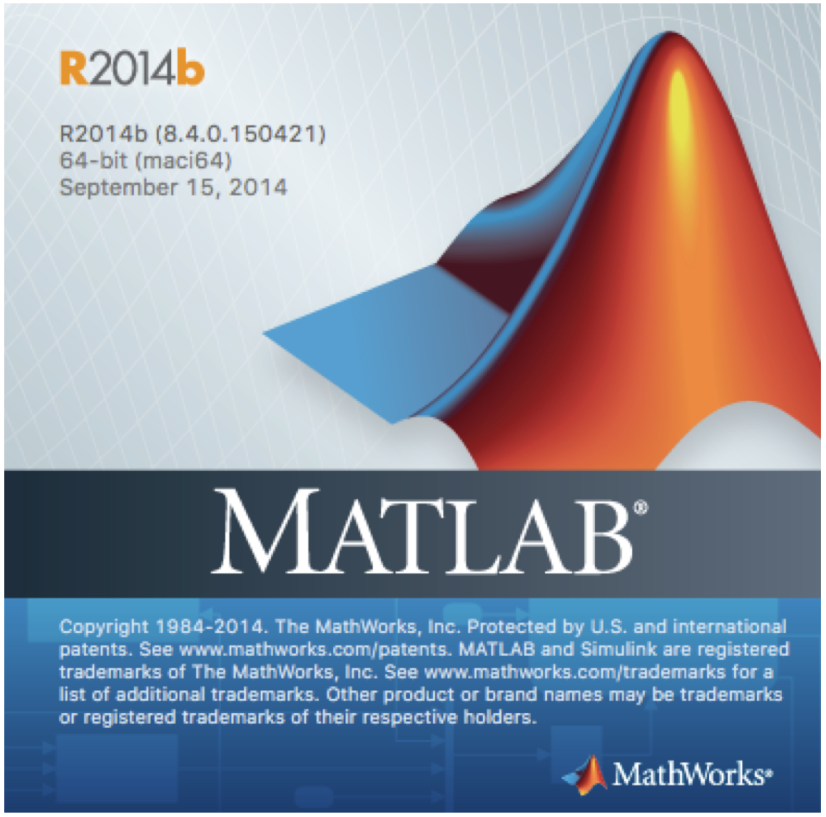


Please log on to the Moodle page and spend some time having a browse – if you can't access the page, let me know.

Lectures:
Tuesdays (1400-1600) in Logan Hall, 20 Bedford Way

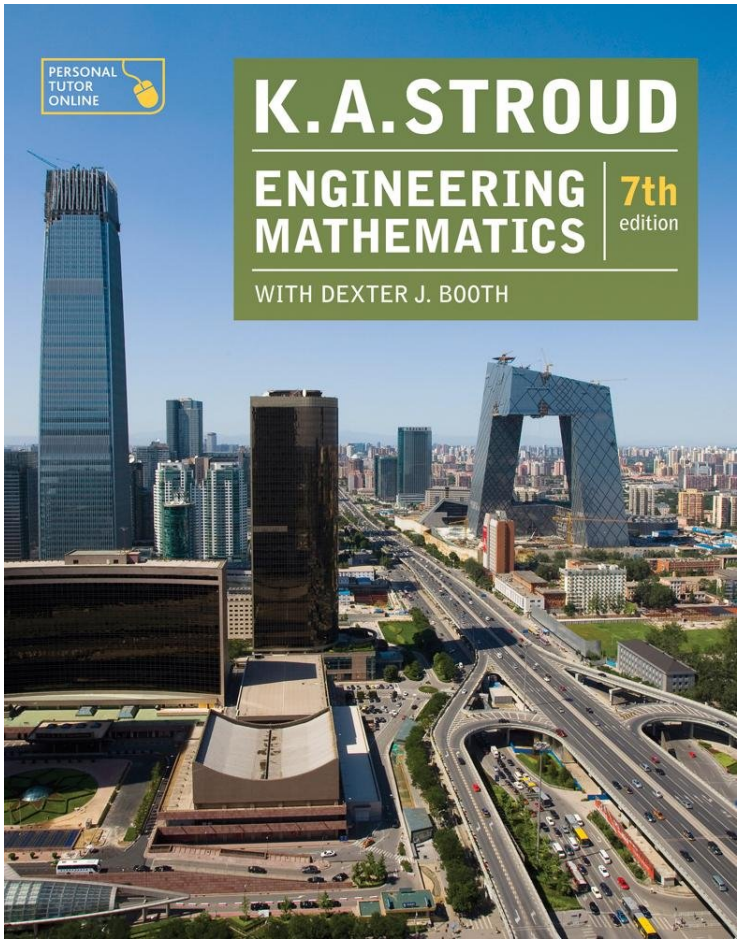
Problem-solving workshops:
Thursdays (1000-1200) in Room 1.02, 22 Gordon Street

Matlab sessions:
Tuesdays (1100-1200), Location: TBC



- Programming language
- Software tool for numerical computing, mathematical modelling and visualisation
- All UCL students have access to a stand-alone copy of Matlab which can be downloaded from the UCL software database:
  https://swdb.ucl.ac.uk/
- Please install Matlab on your personal tablet or laptop and bring along to the problem solving workshops

Recommended textbook: Engineering Mathematics, K.A. Stroud with D.J Booth, Sixth edition (or greater)



- Well-established, well-liked Engineering Mathematics textbook
- Covers most of the mathematical concepts in the module
- Access to online version through UCL library
- There's a more comprehensive reading list for the course on Moodle.

Before Lecture 1 next week …

- Log on to Moodle and have a browse – a lot of learning resources there and further information about the course.
- There is a diagnostic exercise (link on Moodle). Complete this before Monday, 9 October.
- Install Matlab on your personal laptop, bring to workshops.

Any questions?

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