



- What are the learning objectives?
- When will the course take place?
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- How will it be assessed?
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## What are the learning objectives?

- The purpose of the course is to provide an introduction to MATLAB, a widely used interactive system for numerical computation
- At the end of the course, all students should be able to undertake basic programming tasks, manipulate data and produce plots
- Although advanced features will not be covered, students will have the confidence to investigate the full capabilities of MATLAB on their own.
- Students will also learn about version control and how to use Github.

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# Date Method of Delivery Semester 1 Week 1 Semester 1 Week 2 Self Study Computer Help Session Q&A about Lessons 1 & 2

Semester 1 Week 3 Self Study 3 Matrices & 4 Graphics Computer Help Session Q&A about Lessons 3 & 4 Semester 1 Week 4 Self Study 5 Programming & 6 M-Files Computer Help Session Q&A about Lessons 5 & 6 GIT Semester 1 Week 5 Self Study Computer Help Session **Q&A** about GIT Semester 1 Week 6 Practice Test Multiple Choice Quiz – MATLAB & GIT

Semester 1 Week 7 Final Assessed Test Multiple Choice Quiz – MATLAB & GIT

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The course is delivered through self-study and face to face help sessions. Please check your personal timetable for the date, time and location of your session. Please do not attend any other sessions due to lack of space.



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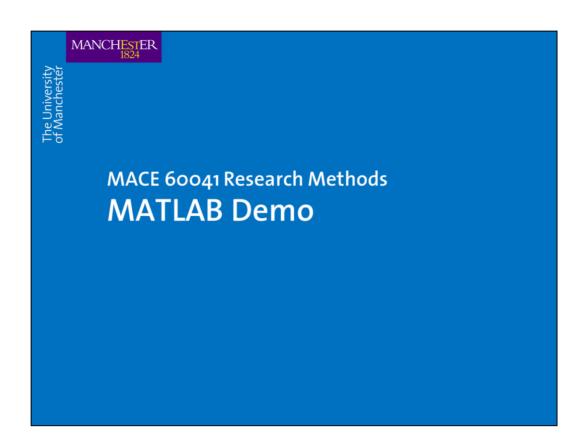


The most effective way to learn how to use a programming tool is through practice.

- Students are able to work through each lesson at their own pace using MATLAB & GITHUB in the teaching clusters
- Each lesson introduces new concepts and commands
- A simple exercise allows students to test their own understanding
- More complicated exercises are provided for further study
- Each student will be given help through timetabled slots
- As the course is delivered through self-study, there is flexibility to carry out the work at any time

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## Where can I get help?

- The Blackboard forum can be used to request help or clarification about any part of the course at any time
  - It may take a while to get a response, especially if a question is posted outside normal work hours or at the weekend, so please leave plenty of time for completing all the lessons
  - It is possible to leave anonymous posts if you are too shy to use your own name
- Graduate Teaching Assistants will be available during the timetabled help sessions to answer questions

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### How will MATLAB/GIT course be assessed?

- The course will be assessed through a multiple choice quiz
  - 30% of the marks for MACE 60041 Research Methods
- The quiz will take place in a timetabled session in Semester 1 Week 7
  - It will appear on your timetable as one of the computer sessions
- The quiz will be delivered online through Blackboard
- You will have the opportunity to test your knowledge through a practice quiz in Semester 1 Week 6!

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# What happens after the course?

- It is likely that students will wish to refer to the online MATLAB course materials until the end of the academic year (September 2022)
  - The lessons will be available on Blackboard all year
- MATLAB is also taught in the Experimental Methods unit
- MATLAB may be used in the other taught units
  - This depends on your degree programme
- Help can be arranged for MATLAB use in MSc dissertations

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