



University of
Nottingham
UK | CHINA | MALAYSIA

Introduction to Spring Semester (MMME2044)

Dr Hengan Ou, Dr Khaled Goher and Professor Geoff Kirk

H Ou: h.ou@nottingham.ac.uk (Coates B80a)

K Goher: Khaled.Goher@nottingham.ac.uk (Coates B82)

G Kirk: geoffrey.kirk@nottingham.ac.uk (Coates B87)

What are MMME2044 activities & time slots in the Spring?

- **Lecture (Physics B1)** Monday, 14:00-16:00
- **Group D&M make (EA Workshop & RP Lab) ¹⁾** Tuesday, 9-12, 13:30-16:30
Friday, 9-12 noon
- **Design sessions (ESLC B01/B04/B05/B07)** Thursday, 9-11 am
- **CAE and Project support (Coates C19)** Friday, 4-6 pm
- **Exam in June ²⁾**
- **Group D&M testing session (12th & 13th June)** Detailed timetable TBC

Notes: 1) EA Workshop and RP Lab start from **next week, 7th Feb.** ~~Check separate timetables for workshops and make sure all needed design changes made before the 1st session.~~

2) Revision support and lecture will be arranged before & after Easter vacation.

What do we hope to achieve by the end of the year?

- **Effective application** of Design Methods in group D&M and individual projects
- **In-depth working knowledge** of the function, types and methods for selection and evaluation of Machine Elements & design of machine systems
- **Hands-on skills and ability** to solve challenging design problems through creative thinking, efficient use of CAD software, sound engineering evaluation and judgement, effective project planning, team working and communication

How to prioritise MMME2044 activities?

- **Lecture** – Relevant topics of Eng/Mech design
- **Design session** – **Registration of attendance taken** (part of assessment on engagement)
- **Group D&M EA & RP Workshop ¹⁾** – **Registration of attendance taken with marks allocated for participation**
- **CAE and Project support** – Support project work, Solidworks modelling & drawing, revision, etc
- **Exam in June** – **Attendance mandatory**
- **Group D&M test session ²⁾** – **Attendance mandatory**

Notes: 1) Detailed guidelines will be available soon. Each member needs to attend to workshop and/or contribute to work on 3D printing for allocated marks.

2) **Attendance to Group D&M Test session (12th and 13th June) is compulsory so you need to take this in planning your summer activities.**

How is MMME2044 module assessed?

- **Coursework elements** **60%**
 - CAE tasks (Autumn & Spring) **formative**
 - Design & Make Project (Air Motor)
 - Design (Autumn) **(20%)**
 - **Make and Test (Spring)** **(10%)**
 - **Individual Project (Spring)** **(30%)**
- **Examination – 2 hours (in June)** **40%**

❖ **Support for preparation and revision of the exam**

- ✓ Past exam questions and solutions are available on Moodle
- ✓ Revision lecture session and individual support sessions in May

You did well in the Autumn

Take individual responsibility of your design project, effectively manage your time in the MMME2044 study

- **What you did well in the Autumn**

- **Attending Design sessions**
- **Engaging with your Design Tutor in Group D&M**
- **Good team effort in completing PDR and CDR submissions**

- **Do better together in the Spring,**

- **Sufficient support to your learning**
- **Work efficiently with your Design Tutor in Individual Design Project**
- **Attend timetabled sessions, e.g. Group D&M Make and Test activities, Design session, etc**
- **Let us know, your Design Tutor, Workshop technicians Conveners (Hengan Ou & Khaled Goher) if more support is needed and we're here to do so.**

Any questions?