UCD Engineering Electronic & Electrical Engineering

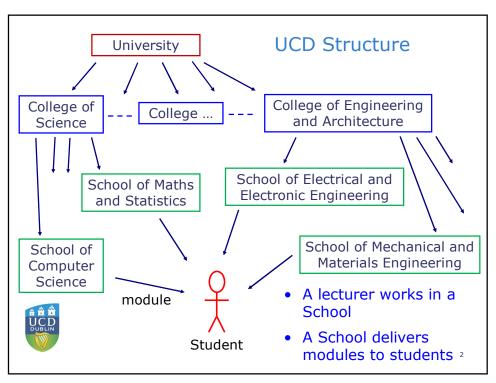
Welcome for Stage 2 Students September 2024

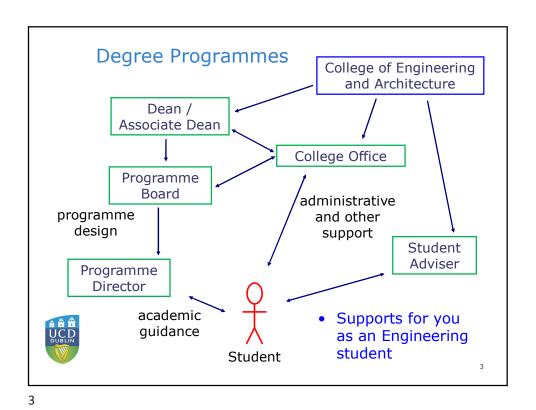
Brian Mulkeen Programme Director



UCD School of Electrical and Electronic Engineering Scoil na hInnealtóireachta Leictrí agus Leictreonaí UCD

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UCD Engineering & Architecture College Office Room 122, Engineering and Materials Science Centre **Ms Sue Philpott Ms Carolyne Dillon** College Office Director **Ms Niamh Fitzgerald Ms Claudia Schmid** Ms Debra Heeney College Office Team **Programme and Operations** Manager - Engineering Use the **Student Connector** for fastest response: **Ms Shelly Smith** www.ucd.ie/engineer Programme Manager - follow the link... **IRELAND'S GLOBAL UNIVERSITY**

Names and Faces

- College of Engineering and Architecture
 - College Principal: Professor Aoife Ahern
 - also has the role of Dean of Engineering
 - Associate Dean for Engineering: Professor James O'Donnell









- Julia Maher Julia.Maher@ucd.ie
- room 130A in Engineering

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Names and Faces

- School of Electrical and Electronic Engineering
 - responsible for all EEEN modules
 - head of school: Professor Paul Curran

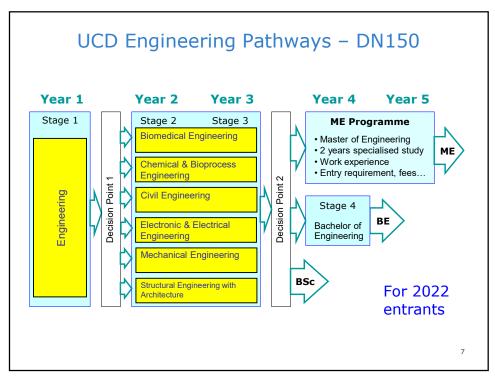


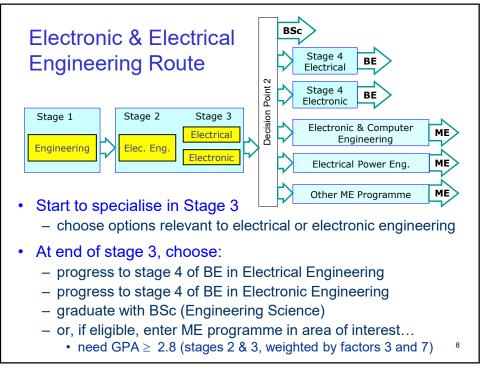
- Programme Director, Electrical Engineering
 - Stage 4 of BE Electrical, ME Electrical Power
 - Professor Damian Flynn



- Programme Director, BE Electrical/Electronic
 - Brian Mulkeen <u>brian.mulkeen@ucd.ie</u>
 - Engineering, room 332







Stage 2 Core Modules

- Foundations of electrical & electronic engineering
- Autumn trimester

- EEEN20010 Computer Engineering

- EEEN20020 **Electrical and Electronic Circuits**

- EEEN20050 **Digital Electronics** - EEEN20070 Solid-State Devices

- MATH20290 Multivariable Calculus for Engineers

Spring trimester

- EEEN20030 Electromagnetic Fields - EEEN20040 **Electronic Circuits**



- EEEN20060 Communication Systems - EEEN20090 **Electrical Energy Systems**

- STAT20060 Statistics and Probability

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Stage 2 Elective Modules

- Choose one in each trimester, to balance load
 - subject to prerequisites and timetable clashes
- Some relevant modules that fit your timetable:

- COMP20200 UNIX Programming (spring)

- IA20010 Creative Thinking and Innovation

(autumn and spring, in blocks)

- MEEN20030 Applied Dynamics I (spring)

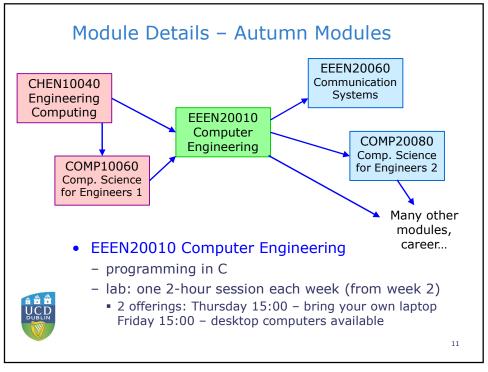
- SCI20020 Introduction to Project Management

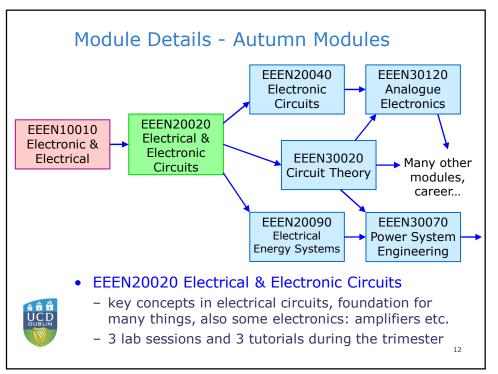
and Leadership

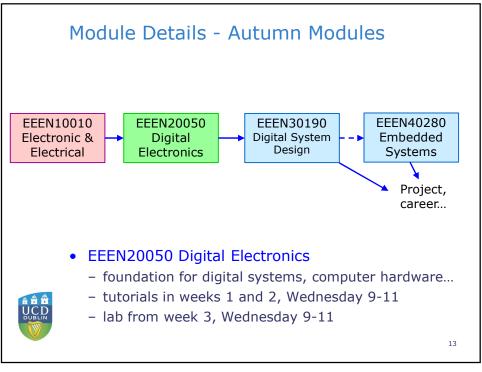
(autumn only, some clashes)

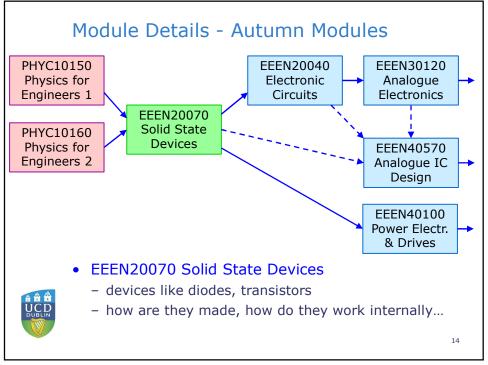


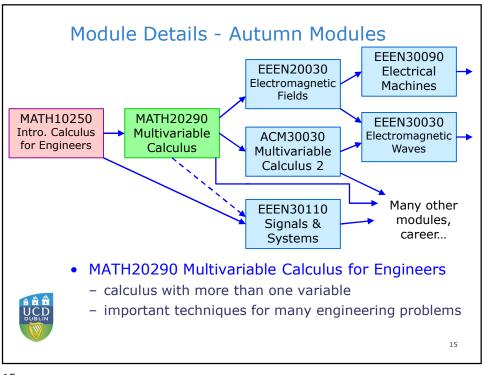
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Assessment - Autumn Modules

Module	Exam at end of trimester	Quiz or Test	Lab, Assignment or Homework
EEEN20010	60%		Lab assignments 40%
EEEN20020	40% *	week 6, 20% *	3 labs 20%, homework assignments 20%
EEEN20050	30%	week 5, 10%	Lab assignments 30%, homework assignments 30%
EEEN20070	65% *		Assignments 35%
MATH20290	85%	class test 15%	



- Assignment details usually in Brightspace
 - instructions, deadlines, etc.
- * = open-book exam

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Things to Watch

- Stage 2 modules significantly harder than stage 1
 - was stage 1 easy? maybe some familiar material?
 - all new material in stage 2...
 - understanding is important!
 - laying the foundation for more advanced modules...
- Lots of continuous assessment
 - labs in many modules
 - need to plan your time clashing deadlines
 - no penalties for early submission of assignments...
- · Grades matter...
 - for BSc in Engineering Science
 - degree based on grades in stages 2 and 3, weighted
 - this is also the entry criterion for ME programmes
 - eligibility for study abroad in stage 3...

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Academic Integrity

- Basic rules apply no cheating!
 - want to keep assessments fair for all students
- Most submissions start with a declaration
 - this is all my own work, except where I state that it was done by someone else – citation, referencing
 - or, for a team, this is all our own work, except...
- If that declaration is not true, you get penalised
 - grade reduced, maybe to zero (NM), record kept
 - serious or repeated cases go to Registrar...
- See the detailed information



- Student Conduct: https://www.ucd.ie/secca/studentconduct/
- UCD Library: https://libguides.ucd.ie/academicintegrity

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Study Abroad

- Arranged through UCD Global <u>www.ucd.ie/qlobal</u>
 - watch for information sessions this autumn
- Erasmus exchange
 - to a university in another European country
 - so most lectures will be in the local language!
 - recent exchanges to Munich, Lausanne, Lyon
- Non-EU exchange
 - to a university outside Europe
 - recent exchanges to USA (various cities), Canada, Singapore, Australia, New Zealand



- Our exchange coordinator: Prof. Stephen Redmond
 - need his approval for the modules that you propose to take on exchange – don't leave to last minute!

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When?

- Stage 3
- **Autumn Trimester**
- **Spring Trimester**
- Full Year

Requirements for Engineering Study Abroad

- Stage 1 complete, minimum GPA of 3.00
- 30 credits in Autumn trimester of Stage 2, minimum GPA of 3.00
- No grade less than C- in any core module in those 3 trimesters



Note: Students with a grade less than C- may be considered under other criteria. Contact College Office for further details on this.

Class Representative(s)

- Engineering staff-student committee
 - needs student representatives from each stage and from each stream of engineering
- Students' Union
 - election for class representatives
- · Point of contact for me
- Choose 1 or 2 people to represent you
 - when you get to know each other better?
- · Class communication channel?



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Talk to Us!

- If you find yourself in any difficulty, or have any problem, talk to someone
 - sooner is better easier to solve problems earlier
- Module Coordinator (lecturer)
 - if the problem relates to a particular module
- College Office (use the student connector)
 - registration problems, extenuating circumstances, leave of absence, reduced workload, etc.
- Student Adviser
 - Julia Maher general and pastoral advice



- Programme Director
 - Brian Mulkeen academic advice

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