Welcome to UCD Science!

Prof. Joe Carthy and Assoc. Prof. Tara McMorrow

www.ucd.ie/science  asdean.science@ucd.ie
Slides available on the Science Orientation Web Page
http://www.ucd.ie/science/study/currentundergraduate/sciencestudents/orientation

Parent’s info session
Saturday 19th October

Sign up
We will send an email reminder

DN200 Science – a single point of entry for 27 degrees

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Zoology Graduate Lauren:
“During my degree I went to Madagascar and worked on a research project studying endangered lemurs in their natural habitat. I also spent time in South Africa where I volunteered on a lion park working with rescued lion cubs.”

Chemistry Graduate Malachi:
“During the Summer of Third Year, I worked as an intern, learning new techniques in synthesising catalysts to be used in the production of hydrogen for fuel cells.”

Malachi is now studying for a PhD in UCD.
UCD Science DN200 – MPG
Mathematical, Physical and Geological Sciences

Physics
Mathematics
Statistics
Physics, Maths & Education
Physics with Astronomy & Space Science
Financial Mathematics
Geology
Applied Maths, Maths & Education
Theoretical Physics
Applied & Computational Mathematics
Computer Science, Maths & Education

Theoretical Physics Student James:
"As part of my Ad Astra bursary I applied to visit the particle physics research project at CERN in Geneva. I spent two weeks there during the summer after first year and it was truly an inspirational and unforgettable experience."

First Year varies depending on subject choice
Subject choice guaranteed from 2nd to 4th year
Field trips, internships and study abroad

Jargon Buster
- UCD is “trimesterised”: each stage (year) is divided into 3 trimesters, with exams at the end of trimester 1 (Autumn) & 2 (Spring). Current trimester (12 lecture weeks + 1 study week + 2 exam weeks) ends on Friday December 20th

- UCD is “modularised”: each stage is divided into 12 modules. Each module is worth 5 credits.

- Different types of modules in Science
  - Conditional cores – may need to take these depending on what you have studied previously (Table 1 in 1st year guide)
  - Cores – Must take these in a particular stage (year)
  - Programme cores – Must take them but can be taken in either of 2 years
  - Elective – 1 per stage (trimester 2) from anywhere
How do you get from here (orientation) to graduation?

- **Stage 1 (first year)** is divided into 12 modules. You must fulfill the requirements of at least two subjects (detail on next slides).

- **Stage 2. ALL** subjects that you are qualified to take are available to you. Study two, three or more of these.

- **Stage 3 and beyond** focus on one subject – your degree major. In the last 5 years everyone who had earned 60 credits got their first choice of degree major. Only Pharmacology and Neuroscience tend to fill up

- 22 of the degree majors are **3 or 4 year BSc degrees**

Science, Maths and Education degrees are **5 years – BSc + MSc.**

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Core modules required for Stage 1
Mathematical and Physical Degree programmes in DN200

Full details on the curriculum for each programme as well as detailed module information can be found at [www.ucd.ie/students/course_search.html](http://www.ucd.ie/students/course_search.html)
Most modules will involve lectures, practicals and tutorials, with continuous assessment.
- Consult lecturer / apply for extenuating circumstances if you miss any for valid, unforeseen reasons. 2 week deadline.

Assessment completed by the end of the trimester, including an end of trimester exam in most cases. Exam period ends on Friday December 20th.

Module grades and Grade Points: A+(4.2), A(4.0), ..., D-(2.0) Grade Point Average (GPA) – average over your modules.

Progression: can only carry 2 fails into Stage 2

Degree grade is based 70% on final year, 30% on penultimate year.
Choosing modules in Stage 1 (first year)

- Take **12 modules**. At least 11 must be from Science ([Table 1 of the Stage 1 leaflet](#)) + 1 elective (can also be in Science).

- **SCI10010** is compulsory. Lectures in first two weeks.
  Small-group project with your academic tutor from week 3.

- In Stage 1, each of the 27 degree subjects have
  (i) Modules you **may have to do** – depending on Leaving Cert/FETAC/Mature/A-level/International etc. (Conditional cores)
  (ii) Modules you **must do in Stage 1** (Cores)
  (iii) Modules you **must do in either Stage 1 or Stage 2**. (Programme Cores)

- These are shown in the columns of [Table 1 of the Stage 1 Leaflet](#) and in the [Leaflet with the Summary Tables](#)
Selecting Maths modules for Physics is complicated!!

Please talk to the advisors after this session

MATHS REQUIREMENTS FOR PHYSICS DEGREES

To pursue any Physics degree students:

**MUST** take

*MATH 10350* Calculus in the Mathematical and Physical Sciences (autumn)

**AND**

*MATH 10340* Linear Algebra in the Mathematical and Physical Sciences (spring)

*These modules satisfy the stage 1 linear algebra and calculus (MATH) requirements for all UCD Science degrees*

Students who are required to take MATH00010 and are interesting in pursuing Physics, Theoretical Physics or Physics with Astronomy and Space Science degree should contact [peter.duffy@ucd.ie](mailto:peter.duffy@ucd.ie) (Physics)

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**Student Supports**

**Science Office** ([Science@ucd.ie](mailto:Science@ucd.ie), [asdean.science@ucd.ie](mailto:asdean.science@ucd.ie))

- General enquiries on academic, registration or other queries
- Email, quoting student number, use your [UCD account only](mailto:).  
- Mon-Thurs 9-1 and 1.30-4.30 (Fri 9-4)

**Academic Staff**

- Available to discuss academic and other issues

**Student advisor**

- [Catriona, x2271](mailto:)

**Mathematics Support Centre**

- Provides assistance to students having problems with Mathematics

**Peer Mentors**

- You have each been assigned a peer mentor who is a student in Stage 2 or 3 of the programme
Ucard Information

1. The student must ensure they have successfully confirmed their registration in SISWEB
   - Login to SISWEB
   - Click on My Registration and click Confirm Registration.

2. The student must upload a photo onto their student profile in SISWEB.

3. When collecting your UCard you will be asked for your student number, please have this ready when approaching the desk.

4. Your student UCard is an identity card and therefore when you collect it you are required to provide proof of identification. Photographic identification is required (Passport, Driving License, etc)

Brightspace – Your new VLE

- Student Sessions – Building 71 (next to the main restaurant)
- Tuesday Sept 10th - 12.30 and 13.00
- Wednesday Sept 11th - 12.00 and 12.30
- Thursday Sept 12th - 13.30 and 14.00
- Approx. 15 to 20 minutes each session, just drop in
First assignment!

- Think about what subjects you might like to study in stage 2
  - Science advisory session straight after this
- Look at the 1st year guide and the Summary Tables and check you have registered for the correct modules
  - If you are not sure check with the Science Office
Next, go to the concourse
Science advisory session

• I haven’t studied Chemistry/Biology/Physics in school, how difficult will I find it?
• What is your subject like in Stage 3 and 4?
• What are the careers like in your subject? What would I do after graduating?
• Do you recommend any options or electives?
• What is the weekly workload like?
• Do I need to get any equipment or a lab coat?
• What do I do if I’m sick and miss a class?
• Can I change my trimester 2 modules?

➢ Then, introduction to peer mentoring

H2.18 the Accenture theatre – 11.30 am

➢ Friday UCD Leisure Centre
Sports and Well-being Tours
10am
1pm
Be positive!

- Start as you mean to go on
- Get involved
- First weeks of Trimester 1 of Stage 1 are often the toughest
- Get advice (we are here to help you!)

*Before you leave, please do say hello to the people sitting near you*

Good luck!

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- Twitter - @UCDScience
- Instagram - @ucdscience

#helloucd