



# Trinity College Dublin

Coláiste na Tríonóide, Baile Átha Cliath

The University of Dublin

## Junior Sophister (3<sup>rd</sup> Year) & Senior Sophister (4<sup>th</sup> Year) Moderatorships

In the Junior and Senior Freshman years Biological & Biomedical (TR060) students complete a course of study which will qualify them to compete for a place in one of the following Moderatorships at the end Senior Freshman year:

- [Biochemistry](#)
- [Botany](#)
- [Environmental Sciences](#)
- [Genetics](#)
- [Human Genetics](#)
- [Immunology](#)
- [Microbiology](#)
- [Molecular Medicine](#)
- [Neuroscience](#)
- [Physiology](#)
- [Zoology](#)

### Junior Sophister

Students in Junior Sophister year take 40 credits of core modules and 20 credits of Open Modules and Trinity Electives.

Open Modules are science modules that are aligned to the students' core discipline.

Trinity Electives are 5 ECTS modules that cover a wide range of languages and cultures, Trinity's research themes or grand societal challenges and are provided by schools from across the College - see here for the list of 43 available electives <https://www.tcd.ie/trinity-electives/electives/> Science students can take either one or two Trinity Electives – with a maximum of one per semester.

In Junior Sophister students can opt to do a study abroad year known as Erasmus [link](#)

### Senior Sophister

In the Senior Sophister year modules cover advanced topics in each of the Moderatorships. Students will complete a Capstone research project in their Senior Sophister year.

The following pages list the core and open modules available in each moderatorship:

## Junior Sophister Biochemistry

Semester 1

Semester 2

### Core Modules

BIU33110 Protein Structure and Function.  
(10 credits)

BIU33010 Nucleic acids. (10 credits)

BIU33120 Membranes and Cell Biology.  
(10 credits)

BIU33160 Research skills in Biochemistry.  
(10 credits)

### Open Modules Scenario I

GEU33045 Genomics and Systems Biology  
(5 Credits)

BIU33250 Introduction to Immunology and  
Immunometabolism (5 Credits)

Trinity Elective (5 Credits)

GEU33215 Medical Genetics (5 Credits)

OR

BIU33475 Basic Neurobiology (5 Credits)

### Open Modules Scenario II

GEU33045 Genomics and Systems Biology  
(5 Credits)

BIU33250 Introduction to Immunology and  
Immunometabolism (5 Credits)

PGU33905 Cell Physiology and  
Pharmacology (5 Credits)

Trinity Elective (5 Credits)

### Open Modules Scenario III

GEU33045 Genomics and Systems Biology  
(5 Credits)

BIU33250 Introduction to Immunology and  
Immunometabolism (5 Credits)

Trinity Elective (5 Credits)

Trinity Elective (5 Credits)

## Senior Sophister Biochemistry

Semester 1 (S1)

Semester 2 (S2)

### Core Modules

BIU44010 Advanced Research Skills  
(10 credits)

BIU44110 Biochemistry in Health and  
Disease II (10 credits)

BIU44120 Immunology & Microbiology  
(10 credits)

BIU44130 Cancer Biology & Cell Signalling (10  
credits)

### Capstone Project

BIU44190 Research Project in Biochemistry (20 Credits)

## Junior Sophister Botany

Semester 1 (S1)

Semester 2 (S2)

### Core Modules

BOU33100: Plant Physiology (5 Credits)

ZOU33010: Fundamentals of Ecology (5 Credits)

BOU33108: Plants in the Irish Environment (5 Credits)

BOU33109: General Botanical Science (5 credits)

BOU33107: Plant Molecular Biology (5 Credits)

ZOU33070: Experimental Design and Analysis (5 Credits)

BOU33XXX: Diversity and Systematics of Land Plants (5 credits)

BOU33121: Field Skills in Plant and Environmental Sciences (5 Credits)

### Open Modules Scenario I

In addition to the 5 credits of Trinity Electives, choose **ONE** module from the following three:

BOUXXXX Mycology

GSU33003: Ice Age Earth (5 credits)

BOU33105: Global Environmental Change (5 credits)

Trinity Elective (5 credits)

Students will automatically be enrolled on both modules below in semester 2:

BOU33123: Soil Science (5 credits)

BOU33122: Entomology (5 credits)

### Open Modules Scenario II

Choose two modules from the following three:

BOUXXXX Mycology

GSU33003: Ice Age Earth (5 credits)

BOU33105: Global Environmental Change (5 credits)

In addition to the 5 credits of Trinity Electives, choose **ONE** module from the following two:

BOU33123: Soil Science (5 credits)

BOU33122: Entomology (5 credits)

Trinity Elective (5 credits)

### Open Modules Scenario III

In addition to the 5 credits of Trinity Electives, choose **ONE** module from the following three:

BOUXXXX Mycology

GSU33003: Ice Age Earth (5 credits)

BOU33105: Global Environmental Change (5 credits)

Trinity Elective (5 credits)

In addition to the 5 credits of Trinity Electives, choose **ONE** module from the following two:

BOU33123: Soil Science (5 credits)

BOU33122: Entomology (5 credits)

Trinity Elective (5 credits)

## Senior Sophister Botany

Semester 1 (S1)

Semester 2 (S2)

### Core Modules

ZOU44030 Data Handling (5 credits)

BOU44XXX Plants and the Planet (5 credits)

BOU44108 Plant Environment Interactions (5 credits)

BOU44110 The Evolution of Plants and Plant Atmosphere Interactions (5 credits)

BOU44109: Vegetation Description and Analysis (5 credits)

BOU44103: Plant Conservation and Biodiversity (5 credits)

### Open Modules

### Capstone

Choose two of the following four modules:

BOU44107: Plant-Animal Interactions (5 credits)

FBU44060: Plant Breeding and Biotechnology (5 credits)

BOU44111; Restoration Ecology and Re-Wilding (5 credits)

ZOU44XXX Tropical Ecology and Conservation (5 credits – field trip)

FBU44000: Capstone Project (20 credits)

# Junior Sophister Environmental Sciences

Semester 1 (S1)

Semester 2 (S2)

## Core Modules

BOU33108 Plants in the Irish Environment (5 credits)	BOU33123 Soil Science (5 credits)
ZOU33010 Fundamentals of Ecology (5 credits)	GGU33930 Environmental Governance 1 (5 credits)
ESU33040 Environmental Monitoring (5 credits)	ZOU33070: Experimental Design and Analysis (5 credits)
BOU33105 Global Environmental Change (5 credits)	ESU33003 Desk Study: Key challenges in Environmental Science (5 credits)

## Open Modules Scenario I

GSU33003 Ice Age Earth (5 credits) <b>OR</b>	GLU33009 Hydrology and Groundwater Quality (5 credits) <b>OR</b>
BOU33100 Plant Physiology (5 credits) <b>OR</b>	BOU33121 Field Skills in Plant and Environmental Sciences (5 credits) <b>OR</b>
GGU33002 Blue Earth: Understanding the Function of Marine Ecosystems (5 credits) <b>OR</b>	ZOU33XXX Terrestrial Wildlife and Field Ecology (5 credits) <b>OR</b>
BOU33XXX Mycology (5 credits)	BOU33122: Entomology (5 credits)
Trinity Elective (5 credits)	

## Open Modules Scenario II

GSU33003 Ice Age Earth (5 credits) <b>OR</b>	GLU33009 Hydrology and Groundwater Quality (5 credits) <b>OR</b>
BOU33100 Plant Physiology (5 credits) <b>OR</b>	BOU33121 Field Skills in Plant and Environmental Sciences (5 credits) <b>OR</b>
GGU33002 Blue Earth: Understanding the Function of Marine Ecosystems (5 credits) <b>OR</b>	ZOU33XXX Terrestrial Wildlife and Field Ecology (5 credits) <b>OR</b>
BOU33XXX Mycology (5 credits)	BOU33122: Entomology (5 credits)
	Trinity Elective (5 credits)

## Open Modules Scenario III

GSU33003 Ice Age Earth (5 credits) <b>OR</b>	GLU33009 Hydrology and Groundwater Quality (5 credits) <b>OR</b>
BOU33100 Plant Physiology (5 credits) <b>OR</b>	BOU33121 Field Skills in Plant and Environmental Sciences (5 credits) <b>OR</b>
GGU33002 Blue Earth: Understanding the Function of Marine Ecosystems (5 credits) <b>OR</b>	ZOU33XXX Terrestrial Wildlife and Field Ecology (5 credits) <b>OR</b>
BOU33XXX Mycology (5 credits)	BOU33122: Entomology (5 credits)
Trinity Elective (5 credits)	Trinity Elective (5 credits)

## Senior Sophister Environmental Sciences

Semester 1 (S1)

Semester 2 (S2)

### Core Modules

ZOU44030 Data Handling (5 credits)

ZOU44092 Environmental Impact Assessment (5 credits)

BOU44111 Restoration Ecology and re-wilding (5 credits)

ZOU44060 Research Comprehension (5 credits)

ESU44052 General Environmental Sciences (5 credits)

FBU44000: Capstone Project (20 credits)

### Open Modules

Students will choose 3 modules

Semester 1

Semester 2

ZOU44XXX Tropical Ecology and Conservation (5 Credits)

BOU44109 Vegetation Description and Analysis (5 Credits)

BOU44107 Plant-Animal Interactions (5 Credits)

ZOU44103 Conservation and Wildlife Management (5 Credits)

BOU44103 Plant Conservation and Biodiversity (5 Credits)

ESU44054 Spatial Analysis using GIS (5 Credits)

GGU44927 Environmental Governance 2 (5 Credits)

## Junior Sophister Genetics

Semester 1

Semester 2

### Core Modules

GEU33015 Molecular Genetics (5 credits)	GEU33065 Plant and Microbial Genetics (5 credits)
GEU33007 Molecular Genetics Laboratory (5 credits)	GEU33085 Science Structure, Discussion and Presentation for Genetics (5 credits)
GEU33075 Evolutionary and Population Genetics (5 credits)	GEU33035 Genetic Analysis of Nervous Systems (5 credits)
GEU33025 Data Handling and Bioinformatics (5 credits)	GEU33008 Analytical Genetics Laboratory (5 credits)

### Open Modules Scenario I

GEU33045 Genomics and Systems Biology (5 credits)	GEU33055 Developmental Genetics (5 credits)
Trinity Elective (5 credits)	GEU33215 Medical Genetics (5 credits) <b>OR</b> BIU33250 Introduction to Immunology and Immunometabolism (5 credits) <b>OR</b> BIU33475 Basic Neurobiology (5 credits)

### Open Modules Scenario II

GEU33045 Genomics and Systems Biology (5 credits)	GEU33055 Developmental Genetics (5 credits)
BIU33150 Biochemistry for Biosciences (5 credits)	Trinity Elective (5 credits)

### Open Modules Scenario III

GEU33045 Genomics and Systems Biology (5 credits)	GEU33055 Developmental Genetics (5 credits)
Trinity Elective (5 credits)	Trinity Elective (5 credits)

# Senior Sophister Genetics

Semester 1 (S1)

Semester 2 (S2)

## Core Modules

GEU4400X Molecular and Cellular Genetics (10 credits)

GEU4400X Evolutionary, Population and Developmental Genetics (10 credits)

GEU4400X Human Genetics and Genomics (10 credits)

GEU4400X Genetics of Model Organisms (10 credits)

## Capstone Project

(20 credits)



## Junior Sophister Human Genetics

Semester 1 (S1)

Semester 2 (S2)

### Core Modules

GEU33015 Molecular Genetics (5 credits)	GEU33215 Medical Genetics (5 credits)
GEU33007 Molecular Genetics Laboratory (5 credits)	GEU33085 Science Structure Discussion and Presentation for Genetics (5 credits)
GEU33075 Evolutionary and Population Genetics (5 credits)	GEU33035 Genetic Analysis of Nervous Systems (5 credits)
GEU33025 Data Handling and Bioinformatics (5 credits)	GEU33008 Analytical Genetics Laboratory (5 credits)

### Open Modules Scenario I

GEU33045 Genomics and Systems Biology (5 credits)	GEU33055 Developmental Genetics (5 credits)
Trinity Elective (5 credits)	BIU33250 Introduction to Immunology and Immunometabolism (5 credits)
	<b>OR</b>
	BIU33475 Basic Neurobiology (5 credits)

### Open Modules Scenario II

GEU33045 Genomics and Systems Biology (5 credits)	GEU33055 Developmental Genetics (5 credits)
BIU33150 Biochemistry for Biosciences (5 credits)	Trinity Elective (5 credits)

### Open Modules Scenario III

GEU33045 Genomics and Systems Biology (5 credits)	GEU33055 Developmental Genetics (5 credits)
Trinity Elective (5 credits)	Trinity Elective (5 credits)

## Human Genetics

Semester 1 (S1)

Semester 2 (S2)

### Core Modules

GEU4400X Molecular and Cellular Genetics (10 credits)
GEU4400X Evolutionary, Population and Developmental Genetics (10 credits)
GEU4400X Human Genetics and Genomics (10 credits)
GEU4400X Medical Genetics (10 credits)

### Capstone Project

(20 credits)

## Junior Sophister Immunology

Semester 1 (S1)

Semester 2 (S2)

### Core Modules

BIU33220 Core Concepts in Immunology (10 credits)	BIU33230 Gene Regulation (10 credits)
BIU33270 Immunity & Disease (10 credits)	BIU33260 Research Skills in Immunology (10 credits)

### Open Modules Scenario I

BIU33150 Biochemistry for Biosciences (5 credits)	MIU33012 Microbial Pathogenesis (5 credits)
Trinity Elective (5 credits)	<b>ZOU33030 Introduction to Parasitology (5 credits)</b>

### Open Modules Scenario II

BIU33150 Biochemistry for Biosciences (5 credits)	MIU33012 Microbial Pathogenesis (5 credits)
GEU33045 Genomics and Systems Biology (5 credits)	Trinity Elective (5 credits)

### Open Modules Scenario II

BIU33150 Biochemistry for Biosciences (5 credits)	MIU33012 Microbial Pathogenesis (5 credits)
Trinity Elective (5 credits)	Trinity Elective (5 credits)

## Senior Sophister Immunology

Semester 1 (S1)

Semester 2 (S2)

### Core Modules

BIU44210: General Immunology 10 credits	BIU44220: Infection & Immunity 10 credits
BIU44230: Immunological diseases & immunotherapy 10 credits	BIU44010: Advanced Research Skills 10 credits

### Capstone Project

BIU44290: Research Project in Immunology (20 Credits)

## Junior Sophister Microbiology

Semester 1 (S1)

Semester 2 (S2)

### Core Modules

MIU33011 Microbial Physiology (5 credits)	MIU33012 Microbiology Pathogenesis (5 credits)
MIU33016 Applied Microbiology & Antimicrobial Agents (5 credits)	MIU33003 Research Essay (5 credits)
MIU33017 Eukaryotic Microbial & Molecular Genetics (5 credits)	MIU33018 Prokaryotic Microbial & Molecular Genetics (5 credits)
MIU33019 Experimental Microbiology I (5 credits)	MIU33020 Experimental Microbiology II (5 credits)

### Open Modules Scenario I

BIU33150 Biochemistry for Biosciences (5 credits)	BIU33250 Introduction to Immunology and Immunometabolism (5 credits)
Trinity Elective (5 credits)	ZOU33030 Introduction to Parasitology (5 credits)

### Open Modules Scenario II

BIU33150 Biochemistry for Biosciences (5 credits)	BIU33250 Introduction to Immunology and Immunometabolism (5 credits)
GEU33045 Genomics and Systems Biology (5 credits)	Trinity Elective (5 credits)

### Open Modules Scenario III

BIU33150 Biochemistry for Biosciences (5 credits)	BIU33250 Introduction to Immunology and Immunometabolism (5 credits)
Trinity Elective (5 credits)	Trinity Elective (5 credits)

## Senior Sophister Microbiology

Semester 1 (S1)

Semester 2 (S2)

### Core Modules

- MIU44002: Microbial Molecular & Cellular Biology (10 credits)
- MIU44003: Microbial Pathogenicity (10 credits)
- MIU44004: Advanced Topics in Microbiology (10 credits)
- MIU44005: Data Handling (10 credits)

### Capstone Project

MIU44001: Research in Microbiology  
 Research Project, Literature Review (20 Credits)

## Junior Sophister Molecular Medicine

Semester 1 (S1)

Semester 2 (S2)

### Core Modules

BIU33370 Proteins to Cells (10 credits)

BIU33390 Nucleic Acids (Molecular Medicine) (10 credits)

BIU33380 Disease Mechanisms and Drug Discovery (10 credits)

BIU33360 Research skills in Molecular Medicine (10 credits)

### Open Module Scenario I

GEU33045 Genomics and Systems Biology (5 credits)

\*BIU33250 Introduction to Immunology and Immunometabolism (5 credits)

Trinity Elective (5 credits)

GEU33215 Medical Genetics (5 credits)

OR

BIU33475 Basic Neurobiology (5 credits)

### Open Module Scenario II

GEU33045 Genomics and Systems Biology (5 credits)

\*BIU33250 Introduction to Immunology and Immunometabolism (5 credits)

PGU33905 Cell Physiology & Pharmacology (5 credits)

Trinity Elective (5 credits)

### Open Module Scenario III

GEU33045 Genomics and Systems Biology (5 credits)

\*BIU33250 Introduction to Immunology and Immunometabolism (5 credits)

Trinity Elective (5 credits)

Trinity Elective (5 credits)

## Senior Sophister Molecular Medicine

Semester 1 (S1)

Semester 2 (S2)

### Core Modules

BIU44010 Advanced Research Skills (10 credits)

BIU44310 Neurobiology & Immunology (10 credits)

BIU44320 Microbial Diseases & Immune System Disorders (10 credits)

BIU44330 Cell Cycle, Cancer Biology and Therapeutics (10 credits)

### Capstone Project

BIU44390 Research Project in Molecular Medicine (20 credits)

<b>Junior Sophister Neuroscience</b>	
<b>Semester 1 (S1)</b>	<b>Semester 2 (S2)</b>
<b>Core Modules</b>	
BIU33455 Research Skills (5 credits)	ANU33001 Neuroanatomy (5 credits)
BIU33465 Integrative Neuroscience (5 credits)	BIU33445 Neurochemistry I (5 credits)
NSU33PH1 General Principles of Pharmacology (5 credits)	GEU33004 Genetic analysis of Nervous System (5 credits)
	Neurophysiology I (5 credits)
	BIU33495 Nucleic Acids & Molecular Biology Techniques (5 credits)
<b>Open Modules Scenario I</b>	
PGU33905 Cell Physiology and Pharmacology (5 credits)	Human Neuropsychology (5 credits)
BIU33150 Biochemistry for Biosciences (5 credits)	
Trinity Elective (5 credits)	
<b>Open Modules Scenario II</b>	
PGU33905 Cell Physiology and Pharmacology (5 credits)	Trinity Elective (5 credits)
BIU33150 Biochemistry for Biosciences (5 credits)	
GEU33045 Genomics and Systems Biology (5 credits)	
<b>Open Modules Scenario III</b>	
PGU33905 Cell Physiology and Pharmacology (5 credits)	Trinity Elective (5 credits)
BIU33150 Biochemistry for Biosciences (5 credits)	
Trinity Elective (5 credits)	

## Senior Sophister Neuroscience

Semester 1 (S1)

Semester 2 (S2)

### Core Modules

PGU44004 Neurophysiology II (5 credits)

NSU44PH2 Neuropharmacology (5 credits)

**PSU34540\* Neuropsychology: Social Neuroscience (5 Credits)**

**BIU44415 Research Literature skills\*\* (5 credits)**

BIU44445 Neurochemistry II 5 credits)

BIU44455 Neuroimmunology & Neurodegeneration (5 credits)

GEU44500 Neurogenetics (5 Credits)

**BIU44415 Research Literature skills\*\* (5 credits)**

### Capstone Project

Laboratory project, incorporating literature review (20 credits)

## Junior Sophister Physiology

Semester 1 (S1)

Semester 2 (S2)

### Core Modules – (20 credits S1 + 20 credits S2)

PGU33950 - Cell Physiology and Pharmacology (5 credits)	PGU33007 - Fluid, Heat and Metabolism (5 credits)
PGU33005 - Cell and Tissue Structure (5 credits)	PGU33010 - Cardiovascular System (5 credits)
PGU33006 – Nerve, Muscle and Sensation (5 credits)	PGU33111 - Gut, Kidney and Hormones (5 credits)
PGU33008 - Brain, Nerve and Muscle (5 credits)	PGU33112 - Respiratory System (5 credits)

### Open Modules Scenario I

BIU33350 Molecular Basis of Disease (5 credits)	PGU33009 Neurophysiology (5 credits)
ZOU33050 Introduction to Developmental Biology (5 credits)	Trinity Elective (5 credits)
<b>OR</b>	
BIU33150 Biochemistry for Biosciences (5 credits)	

### Open Modules Scenario II

BIU33350 Molecular Basis of Disease (5 credits)	PGU33009 Neurophysiology (5 credits)
Trinity Elective (5 credits)	BIU33475 Basic Neurobiology (5 credits)
	<b>OR</b>
	GEU33215 Medical Genetics (5 credits)

### Open Modules Scenario III

BIU33350 Molecular Basis of Disease (5 credits)	PGU33009 Neurophysiology (5 credits)
Trinity Elective (5 credits)	Trinity Elective (5 credits)

# Senior Sophister Physiology

Semester 1

Semester 2

## Core Modules

PGU44006 Biomechanics and Neural Control of Movement (5 credits)      PGU44801 General Physiology 5 Credits

PGU44001 Synaptic Properties (5 credits)

PGU44007 Glial Physiology (5 credits)

PGU44009 Techniques in Cell Physiology (5 credits)

PGU44002      Journal Club      5 Credits

## S1 and S2

PGU44802 Integrative Physiology 10 Credits

## Capstone Project (S2)

PGU44020 Capstone Project (20 credits)



## Junior Sophister Zoology

Semester 1 (S1)

Semester 2 (S2)

### Core Modules

ZOU33000: Marine Biology (5 credits) ZOU33003: Animal Diversity 1 (5 credits) ZOU33004: Animal Diversity 2 (5 credits) ZOU33010: Fundamentals of Ecology (5 credits)	ZOU33005: Evolutionary Biology (5 credits) ZOU33070: Experimental Design and Analysis (5 credits) ZOU330XX: Terrestrial Field Ecology (5 credits) ZOU33090: Desk Study: Zoology and Society (5 credits)
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### Open Modules Scenario I

ZOU33050 Introduction to Developmental Biology (5 credits) <p style="text-align: center;"><b>OR</b></p> BOU33120: Environmental Dynamics (5 credits) <p style="text-align: center;"><b>OR</b></p> GSU33003: Ice Age Earth (5 credits)	Choose 2 Modules ZOU33030: Introduction to Parasitology (5 credits) <p style="text-align: center;"><b>OR</b></p> BOU33122: Entomology (5 credits) <p style="text-align: center;"><b>OR</b></p> BIU33250: Introduction to Immunology and Immunometabolism (5 credits) <p style="text-align: center;"><b>OR</b></p> PGU33009 Neurophysiology (5 credits)
Trinity Elective (5 credits)	

### Open Modules Scenario II

Choose 2 modules ZOU33050: Introduction to Developmental Biology (5 credits) <p style="text-align: center;"><b>OR</b></p> BOU33120: Environmental Dynamics (5 credits) <p style="text-align: center;"><b>OR</b></p> GSU33003: Ice Age Earth (5 credits)	ZOU33030 Introduction to Parasitology (5 credits) <p style="text-align: center;"><b>OR</b></p> BOU33122: Entomology (5 credits) <p style="text-align: center;"><b>OR</b></p> BIU33250: Introduction to Immunology and Immunometabolism (5 credits) <p style="text-align: center;"><b>OR</b></p> PGU33009 Neurophysiology (5 credits) Trinity Elective (5 credits)
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### Open Modules Scenario III

ZOU33050: Introduction to Developmental Biology (5 credits) <p style="text-align: center;"><b>OR</b></p> BOU33120: Environmental Dynamics (5 credits) <p style="text-align: center;"><b>OR</b></p> GSU33003: Ice Age Earth (5 credits)	ZOU33030: Introduction to Parasitology (5 credits) <p style="text-align: center;"><b>OR</b></p> BOU33122: Entomology (5 credits) <p style="text-align: center;"><b>OR</b></p> BIU33250: Introduction to Immunology and Immunometabolism (5 credits) <p style="text-align: center;"><b>OR</b></p> PGU33009 Neurophysiology (5 credits)
Trinity Elective (5 credits)	Trinity Elective (5 credits)

# Zoology

Semester 1 (S1)

Semester 2 (S2)

## Core Modules

ZOU44030: Data Handling.  
(5 credits)

ZOU44060: Research Comprehension  
(5 credits)  
ZOU44020 General Zoology (5 credits)

## Open Modules

## Capstone Project

### Choose 5

ZOU44012: Advances in Parasitology  
ZOU44013: Conservation and Wildlife  
Management  
ZOU44092: Environmental Impact  
Assessment  
ZOU44019: Behavioural Ecology  
BOU44111: Restoration Ecology and Re-  
Wilding  
ZOU440XX: Tropical Ecology &  
Conservation (field course)  
BOU44107: Plant Animal Interactions  
BOU44110: Evolution of plants and plant  
environment interactions (N.B. runs  
semester 2)

FBU44000: Research Project  
(20 credits)

# Trinity Electives by Semester 2020/21

## Semester 1

TEU00381	Ancient Culture Lab: Homer's Experience and the Greek Language
TEU00371	Becoming Human: The Science of Us
TEU00121	Cancer: The Patient Journey
TEU00351	The Chemistry of Periodic Elements
TEU00131	Chinese Language and Culture (Beginners)
TEU00141	Cultures and Societies of the Middle East and North Africa
TEU00031	Design Thinking
TEU00151	Displacement: exploring the human experience of forced migration
TEU00041	Emergence of Technologies
TEU00171 & TEU00161	French Language and Culture (Beginners and Advanced)
TEU00191/ TEU00181	German Language and Culture (Beginners and Advanced)
TEU00081	Idea Translation Lab
TEU00101	Irish Landscapes: Interdisciplinary Perspectives
TEU00211 & TEU00201	Irish Language and Culture (Beginners and Advanced)
TEU00341	Irish Sign Language
TEU00321 & TEU00331	Italian Language and Culture (Beginners and Advanced)
TEU00221	Japanese Language and Culture (Beginners)
TEU00231	Korean Language and Culture (Beginners)
TEU00251 & TEU00241	Spanish Language and Culture (Beginners and Advanced)
TEU00291	Travel and English Literature
TEU00301	Vaccines – Friend or Foe
TEU00311	What is the Internet doing to me? (Security and Privacy for people in a connected world)
TEU00011	A World to Discover: Travel Memoirs and Memorabilia at Trinity

## Trinity Electives by Semester 2020/21

### Semester 2

TEU00262	The Art of the Megacity
TEU00122	Cancer: The Patient Journey
TEU00132	Chinese Language and Culture (Beginners)
TEU00452	Contemporary Art Angles
TEU00142	Cultures and Societies of the Middle East and North Africa
TEU00422	Decoding Genetics: The building blocks of life
TEU00152	Displacement: exploring the human experience of forced migration
TEU00052	Energy in the 21 <sup>st</sup> Century
TEU00062	Engaging in the Digital World: Today and Tomorrow
TEU00272	The Ethics Lab: Responsible Action in the Real World
TEU00172 & TEU00162	French Language and Culture (Beginners and Advanced)
TEU00072	From Planets to the Cosmos
TEU00192 & TEU00182	German Language and Culture (Beginners and Advanced)
TEU00362	Hacking your health: the science of exercise and fitness
TEU00402	How to live long and prosper – A lifespan approach
TEU00082	Idea Translation Lab
TEU00212 & TEU00202	Irish language and Culture (Beginners and Advanced)
TEU00342	Irish Sign Language
TEU00322 & TEU00332	Italian Language and Culture (Beginners and Advanced)
TEU00222	Japanese Language and Culture (Beginners)
TEU00232	Korean Language and Culture (Beginners)
TEU00422	Language and Communication in the Digital Age
TEU00392	Latin: One Language, Many Cultures
TEU00412	The Politics of Peace and Conflict in a Globalised World
TEU00112	Social Innovation – Tools for Social Change
TEU00252 & TEU00242	Spanish Language and Culture (Beginners and Advanced)
TEU00462	Sustainable Development Goals and Policy Evaluation: Global Development One Target at a Time
TEU00432	Thinking Digitally and Culturally
TEU00282	Toolkit for a Smart & Sustainable World
TEU00292	Travel and English Literature