International Exchange & Study Abroad

Opportunities at the College of Life Sciences & Medicine,
University of Aberdeen
The University of Aberdeen is a major research institution and is a world leading research University in many disciplines including medical and biological sciences. The College of Life Sciences and Medicine (CLSM) at the University of Aberdeen has a long history of academic excellence in these fields and this continues today through our current research interests and output, our notable academics and the courses we offer to our students.

How we do things
The following is an explanation of how the academic year at Aberdeen is split up, how our credit system works and what our course codes mean and which courses we offer. Further to this are examples of combinations of courses which would work for students on various degree paths.

What we can offer
In CLSM, we offer courses in medical sciences such as Biochemistry, Genetics, Anatomy and Physiology and courses in zoology, ecology, plant science and conservation for biological sciences. In collaboration with the other colleges of the University, we can offer many other courses to students who choose to come and study at the University of Aberdeen. In fact, you can choose almost any course we offer!
A year at Aberdeen

The academic year at the University of Aberdeen is split into two semesters. The first semester begins in September and finishes with the winter examination period in December. The second semester begins in January and continues until the summer examinations in May (with three weeks holiday in April for Easter). Students can come to the University of Aberdeen for exchange and study abroad for one or both semesters (full year). Each semester is structured with 11 weeks of teaching followed by a revision week and a two week exam diet. Resits, should they be necessary, are taken in late June/early July.

Aberdeen credits

Students who study at the University of Aberdeen are required to undertake a full timetable. A full timetable at Aberdeen is 60 credits worth of courses per semester (120 credits for a full year). Most courses are worth either 15 or 30 credits and so students would normally take between 2 and 4 courses per semester (between 4 and 8 courses for a full academic year).

Course codes

Each course code can tell you quite a lot of information. The two letters at the start denote which subject the course belongs to (a list can be found on the next page). The first number denotes which level the course is at, i.e. 1 – level 1, 2 – level 2 etc. The second number show which semester the course is, 0 or 3 illustrates it is a first semester course, 5 or 8 illustrates it is a second semester course.

Using the above course code as an example, we can tell that the course is from Biology (BI), it is a level 2 course and that it is in the second semester.
### Courses and their abbreviations

<table>
<thead>
<tr>
<th>AN</th>
<th>ANATOMY</th>
<th>MC</th>
<th>MICROBIOLOGY</th>
</tr>
</thead>
<tbody>
<tr>
<td>AT</td>
<td>ANTHROPOLOGY</td>
<td>PL</td>
<td>PLANT SCIENCE</td>
</tr>
<tr>
<td>BI</td>
<td>BIOLOGY</td>
<td>PS</td>
<td>PSYCHOLOGY</td>
</tr>
<tr>
<td>BM</td>
<td>BIOMEDICAL SCIENCES</td>
<td>PX</td>
<td>PHYSICS</td>
</tr>
<tr>
<td>CM</td>
<td>CHEMISTRY</td>
<td>PY</td>
<td>PHYSIOLOGY</td>
</tr>
<tr>
<td>DB</td>
<td>DEVELOPMENTAL BIOLOGY</td>
<td>SM</td>
<td>SCHOOL OF MEDICAL SCIENCES</td>
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<tr>
<td>EV</td>
<td>ENVIRONMENTAL SCIENCE</td>
<td>SO</td>
<td>SOCIOLOGY</td>
</tr>
<tr>
<td>FY</td>
<td>FORESTRY</td>
<td>SR</td>
<td>SPORT AND EXERCISE SCIENCE</td>
</tr>
<tr>
<td>GG</td>
<td>GEOGRAPHY</td>
<td>SX</td>
<td>SIXTH CENTURY</td>
</tr>
<tr>
<td>GL</td>
<td>GEOLOGY AND PETROLEUM GEOLOGY</td>
<td>ZO</td>
<td>ZOOLOGY</td>
</tr>
<tr>
<td>GN</td>
<td>GENETICS</td>
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<tr>
<td>MA</td>
<td>MATHEMATICS</td>
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<tr>
<td>MB</td>
<td>MOLECULAR BIOLOGY</td>
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</tbody>
</table>

### Sixth Century courses

The University of Aberdeen offers a range of interdisciplinary courses called sixth century courses. These courses can be taken by anyone on any degree and there is a wide range of these courses so students are very likely to find one of interest to them. These courses can be taken by students who are still required to take 15 credits in any semester to make up 60 credits for the semester.

### Prerequisites

Students who choose to come to the University of Aberdeen for study abroad, and meet the prerequisites for the courses they wish to study, will be pre-approved for enrolment on their chosen courses and will be guaranteed a place in the class. This guarantee is offered on the condition that all choices are submitted before any deadline.
We can offer combinations of courses from different years and/or disciplines. However, the British education system is generally designed with the intention of science students undertaking science subjects and arts students taking arts subjects. In addition to this, it is uncommon for students to take courses outwith their level, i.e. a level 2 students would normally only take level 2 courses. Therefore, it is possible to encounter difficulties with timetabling when trying to take courses from different schools and years. As such, the combinations provided will, with a few exceptions, be all level 2 or level 3 courses. Combinations of courses other than those listed here will be possible, however, the combinations presented here should encounter the least number of issues and have been designed to fit as many interests and needs as possible. Further information about each course is located at the back.

**Level 2 course combinations are available for:**

- Biochemistry & Molecular Biology 7
- Biology 9
- Environmental Science 11
- Exercise Science 14
- Human Biology 16
- Nursing 19
- Pre-professional track course combinations 20
- Psychology 22

**Level 3 course combinations are available for:**

- Biochemistry & Molecular Biology 8
- Biology 10
- Environmental Science 12
- Exercise Science 15
- Human Biology 17
- Pre-professional track course combinations 21
- Psychology 23
Biochemistry & Molecular Biology — Second Year

First Semester

One of the following combinations:

- CM2010, BI20B2, BI20M3, BI2017
- CM2010, BI20B2, BI20M3, any SX10XX course
- CM2010, BI20M3, BI2017, any SX10XX course

BI2017 – Genes & Evolution
BI20B2 – Physiology of Human Cells
BI20M3 – Molecular Biology of the Gene
CM2010 – Energetics of Change
PS2017 – Advanced Psychology A
SM2001 – Foundation Skills for Medical Science
SX10XX – Sixth Century Courses

Second Semester

One of the following combinations:

- BI25M7, CM2514, BI25B2, SR2501
- BI25M7, CM2514, BI25B2, any SX15XX course
- BI25M7, CM2514, BI25B2, SM2501
- BI25M7, CM2514, BI25M5, SR2501
- BI25M7, CM2514, BI25M5, SM2501
- BI25M7, CM2514, BI25M5, any SX15XX course

BI25B2 – Physiology of Human Organ Systems
BI25M5 – Microbes, Immunity & Infection
BI25M7 – Energy for Life
CM2514 – Organic & Biological Chemistry
SM2501 – Research Skills for Medical Sciences
SR2501 – Exercise & Health
SX15XX – Sixth Century Courses
Biochemistry & Molecular Biology — Third Year

First Semester
Choose one of the following combinations:

MB3006, SM3001
MB3006, SM3002
SM3001, AN3009, any SX30XX course
SM3002, PY3002
SM3001, PY3002

AN3009 – Architecture of Life
PY3002 – Integrative Physiology
SM3002 – Frontiers of Biomedical Science

Second Semester
Choose one of the following combinations:

BC3503, GN3502
BC3503, MC3504
BC3503, PY3803, AN3503
SR3506, GN3502

AN3503 – Biological Imaging
GN3502 - Genetics
PY3803 – Epithelial Physiology

BC3503 – The Molecular Control of Cell Function
MC3504 – Molecular Microbiology
SR3506 – Biochemistry & Nutrition of Exercise
Biology — Second Year

First Semester

Choose one of the following combinations:

- BI1012, BI2017 & 2 courses
- BI1012, BI2020 & 2 course
- BI1012, BI2017, BI20M3 & 1 course
- BI1012, BI2020, BI20M3 & 1 course
- BI2018, BI2017, BI20M3 & 1 course
- BI2018, BI2017, BI20M3, BI2020

BI1012 Diversity of life 1

BI2018 Biological Enhanced Skills Training  BI2017 Genes and Evolution
BI2020 Ecology  BI20M3 Molecular Biology of the Gene

Second Semester

Choose one of the following combinations:

- BI2509, BI2510, BI25M7 & 1 course
- BI2510, BI2509, BT1502 & 1 course
- BI1512, BI2509, BI25M5 & 1 course
- BI2510, BI1512, BT1502 & 1 course
- BI2509, BI1512, BI25M7 & 1 course
- BI2509, BI25M5, BI25M7 & 1 course
- BI2510, BI25M7, BT1502 & 1 course
- BI1512, BI25M7, BI25M5 & 1 course
- BI2509, BT1502, BI25M7 & 1 course
- BI1512, BT1502, BI25M5 & 1 course

BI2509 Conservation Biology  BI2510 Principles of Animal Physiology
BI1512 Diversity of Life 2  BI25M5 Microbes, Infection and Immunity
BI25M7 Energy for Life  BT1502 Intro to Biobusiness
Biology — Third Year

First Semester

Choose one of the following combinations:

- GG3057, ZO3306, ZO3307, SX3006 OR SX3002
- BI3010, EV3001, GG3057, SX3002
- EV3001, GG3057, ZO3307, SX3002
- EV3001, GG3057, ZO3306, SX3002
- MB3006, ZO3011, SX3006
- MB3006, ZO3011, SX3002
- MB3006, GG3057, SX3002
- MB3006, EV3001, SX3002
- MB3006, SX3002, ZO3306 OR ZO3007

BI3010 – Statistical Analysis of Biological Data
EV3001 – Global Soil Geography
GG3057 – Land & Marine Conservation
SX3002 – Science & Society
ZO3011 – Animal Evolution & Biodiversity
ZO3307 – Animal Population Ecology

Second Semester

Choose one of the following combinations:

- PL3804, PL3505, ZO3513, FY3804
- BI3506, PL3804, BI3801, BI3504
- ZO3808, ZO3513, ZO3308, BI3801
- BT3502, PL3505, PL3804, BI3504
- ZO3308, BI3801, PL3804, BI3504
- BI3504, AN3503, BI3801, PL3804

AN3503 – Biological Imaging
BI3504 – Sustainable Resource Management
BI3506 – Conservation in Practice
BI3801 – Plant/Animal Interactions
ZO3308 – Animals in Captivity
BT3502 – Bio-Business
FY3804 – Forest Resource Management
PL3505 – Plant-Environment Interactions
PL3804 – Plant Ecology
ZO3513 – Environmental Physiology
ZO3808 – Biology & Control of Infectious Diseases
Environmental Science — Second Year

First Semester

Choose one of the following combinations:

- CM2011, BI2020, BI1012, GG2013
- BI2020, BI2017, BI1012, SX1011
- BI2020, SX1011, GL2014, GG2013
- GL2014, BI2020, GG2013, SX1011
- CM2011, BI2020, BI1012, SX1011

- BI1012 – Diversity of Life 1
- BI2020 – Ecology
- GG2013 – Physical Environments
- SX1011 – Sustainability: Challenges & Opportunities

- BI2017 – Genes & Evolution
- CM2011 – Analytical Methods in Forensic Chemistry
- GL2014 – Stratigraphical Principles

Second Semester

Choose one of the following combinations:

- GG2509, GG2510, BI25P4, GL2510
- GG2509, GG2510, BI2509, BI25P4
- GG2509, GG2510, GL1505, BI2509
- GG2509, GG2510, GL2510, BI2509
- GG2509, GG2510, GL2510, BI25P4

- BI2509 – Conservation Biology
- GG2509 – Environment & Society
- GL1505 – Earth Materials

- BI25P4 – Plants, People and the Environment
- GG2510 – Mapping and Monitoring the Environment
- GL2510 – Introduction to Field Geography

Field courses available second semester
Environmental Science — Third Year

First Semester

Choose one of the following combinations:

CM3038, EV3001, GG3057, GG3069
ZO3306, ZO3307, GG3057, GG3069
BI4301, GG3052, CM3038, GG3057
BI4301, GG3052, CM3038, GG3069
BI4301, ZO3307, GG3052, GG3057
BI4301, ZO3307, GG3052, GG3069
BI4301, ZO3307, GG3057, GG3069
ZO3011, CM3038, GG3069, GG3068

BI4301 – Environmental Pollution
CM3038 – Environmental Chemistry
EV3001 – Global Soil Geography
GG3052 – Approaches to Earth & Envi. Science
GG3057 – Land & Marine Conservation
GG3068 – Data Analysis
ZO3011 – Animal Evolution & Biodiversity
ZO3306 – Marine Ecology & Ecosystems
ZO3307 – Animal Population Ecology

Second Semester

Choose one of the following combinations:

EV3802, PL3804, BI3506, BI3504
EV3802, FY3804, PL3505, BI3504
EV3802, GL3525, PL3804, BI3506
EV3802, GL3525, PL3804, BI3504
EV3802, GL3525, PL3804, PL3505
PL3804, BI3801, BI3504, FY3804
PL3505, ZO3513, PL3804, BI3504
BI3506, GL3525, PL3804, BI3801
BI3506, GL3525, PL3804, ZO3513
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<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>BI3504</td>
<td>Sustainable Resource Management</td>
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<tr>
<td>BI3506</td>
<td>Conservation in Practice</td>
</tr>
<tr>
<td>BI3801</td>
<td>Plant/Animal Interactions</td>
</tr>
<tr>
<td>EV3802</td>
<td>Environmental Analysis</td>
</tr>
<tr>
<td>FY3804</td>
<td>Forest Resource Management</td>
</tr>
<tr>
<td>GL3521</td>
<td>Sedimentology</td>
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<tr>
<td>GL3525</td>
<td>Field &amp; Mapping Techniques 2</td>
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<tr>
<td>PL3505</td>
<td>Plant-Environment Interactions</td>
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<tr>
<td>PL3804</td>
<td>Plant Ecology</td>
</tr>
<tr>
<td>ZO3513</td>
<td>Environmental Physiology</td>
</tr>
</tbody>
</table>
Exercise Science — Second Year

First Semester:

BI20B2, PS2017, SR2002 & 1 Course
BI20B2, BI20M3, PS2017, BI2017

BI20B2 Physiology of Human Cells
PS2017 Advanced Psychology A
SR2002 The Science of Sports Performance

BI2017 – Genes & Evolution
BI20M3 – Molecular Biology of the Gene

Second Semester:

BI25B2, PS2517, SR2501 & 1 Course
BI25B2, BM2509, BI25M7, SR2501
BI25B2, BM2509, BI25M7, PS2517

BI25B2 Physiology of Human Organ Systems
PS2517 Advanced Psychology B
SR2501 Exercise and Health

BI25M7 – Energy for Life
BM2509 – Human Anatomy B
Exercise Science — Third Year

First Semester

Choose one of the following combinations:

- SR3021, SR3321, SR4006, SX3012
- PY3002, SR4006, SX3012
- SX3012, PY3002, BM4301
- PY3002, SM3003

- BM4301 – The Science of Aging
- SM3003 – Frontiers of Applied Medical Sciences
- PY3002 – Integrative Physiology
- SR3021 – Sports Psychology I
- SR3321 – Sports Psychology II
- SX3012 – An Appetite for Food & Health
- SR4006 – Promoting Health with Sport & Exercise

Second Semester

Choose one of the following combinations:

- SR3506, SR3508
- SR3508, SR3511
- SR3511, PY3803, BM3501

- BM3501 – Cardiovascular Physiology
- PY3803 – Epithelial Physiology
- SR3506 – Biochemistry & Nutrition of Exercise
- SR3508 – Clinical Exercise Physiology
- SR3511 – Nutrition, Health & Disease
Human Biology — Second Year

First Semester

Choose one of the following combinations:


<table>
<thead>
<tr>
<th>BI2017 – Genes &amp; Evolution</th>
<th>BI20B2 – Physiology of Human Cells</th>
</tr>
</thead>
<tbody>
<tr>
<td>BI20M3 – Molecular Biology of the Gene</td>
<td>BM2009 – Human Anatomy A</td>
</tr>
<tr>
<td>CM2010 – Energetics of Change in Chemical and Biological Processes</td>
<td>PS2017 – Advanced Psychology A</td>
</tr>
</tbody>
</table>

Second Semester

Choose one of the following combinations:

- BI25M5, BI25B2, BM2509, CM2514
- BI25B2, BI25M7, BM2509, CM2514
- PS2517, BM2509, BI25B2, BI25M7
- PS2517, BM2509, BI25B2, CM2514
- PS2517, BM2509, BI25M7, CM2514
- PS2517, BI25M7, CM2514, BI25B2

<table>
<thead>
<tr>
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</thead>
<tbody>
<tr>
<td>BI25M7 – Energy for Life</td>
<td>BM2509 – Human Anatomy B</td>
</tr>
<tr>
<td>CM2514 – Organic &amp; Biological Chemistry</td>
<td>PS2517 – Advanced Psychology B</td>
</tr>
</tbody>
</table>
Human Biology — Third Year

First Semester

Choose one of the following combinations:

SM3001, PY3002
SM3002, PY3002
AN3009, AN3301, SM3001
AN3009, AN3301, SM3002
AN3301, DB3005, SM3001
AN3301, DB3005, SM3002
MB3006, SM3001
MB3006, SM3002
AN3009, PS3014, SM3001
AN3301, PS3014, SM3001

AN3009 – Architecture of Life
AN3301 – Human Embryonic Development
DB3005 – Principles of Dev. Biology
MB3006 – The Molecular Biology of the Cell
PS3014 – Biological Psychology
PY3002 – Integrative Physiology
SM3001 – Frontiers of Molecular Med. Sci.
SM3002 – Frontiers of Biomedical Science

Second Semester

Choose one of the following combinations:

PY3803, AN3503, BM3803, BM3502
PY3803, AN3503, BM3803, & 1 course
BM3501, BM3502, BM3803, PY3803
BC3503, MC3504
BC3503, GN3502, BM3502
SR3508, BM3803 & 1 course
SR3506, PY3803, BM3803
BM3803, BM3501, PY3803, & 1 course
SR3506, SR3508
SR3511, SR3508
DB3501, DB3503, DB3804 & 1 course
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<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tr>
<td>AN3503</td>
<td>Biological Imaging</td>
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<tr>
<td>BM3501</td>
<td>Cardiovascular Physiology</td>
</tr>
<tr>
<td>BM3803</td>
<td>Integrative Neuroscience</td>
</tr>
<tr>
<td>DB3804</td>
<td>Development of Organ Systems</td>
</tr>
<tr>
<td>MC3504</td>
<td>Molecular Microbiology</td>
</tr>
<tr>
<td>SR3506</td>
<td>Biochemistry &amp; Nutrition of Exercise</td>
</tr>
<tr>
<td>SR3511</td>
<td>Nutrition, Health &amp; Disease</td>
</tr>
<tr>
<td>BC3503</td>
<td>The Molecular Control of Cell Function</td>
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<tr>
<td>BM3502</td>
<td>Neuroscience &amp; Neuropharmacology</td>
</tr>
<tr>
<td>DB3503</td>
<td>The Early Embryo</td>
</tr>
<tr>
<td>GN3502</td>
<td>Genetics</td>
</tr>
<tr>
<td>PY3803</td>
<td>Epithelial Physiology</td>
</tr>
<tr>
<td>SR3508</td>
<td>Clinical Exercise Physiology</td>
</tr>
</tbody>
</table>
Nursing

First Semester

Choose one of the following combinations:

- BI20B2, PS2017, SO2004 & 1 course
- CM2010, BI20B2, PS2017 & 1 course
- CM1020, SO2004, PS2018 & 1 other course

BI20B2 — Physiology of Human Cells
CM1020 — Chemistry for the Life Sciences 1

CM2010 — Energetics of Change in Chemical and Biological Processes
PS2017 — Advanced Psychology A

SO2004 — Studying Social Life 1

Second Semester

Choose one of the following combinations

- BI25B2, PS2517, SO2504 & 1 course
  (BI25M7, CM2514, BM2509)
- BI25B2, CM2514, SO2504 & 1 course
  (PS2517, BM2509, BI25M7)
- PS2517, CM2514, BI25B2 & 1 course
  (BM2509, BI25M7)
- PS2517, CM2516, BI25B2 & 1 course
  (BM2509, BI25M7)
- BI25M5, CM2514, BI25B2 & 1 course
  (BI25M7, BM2509)

BI25B2 — Physiology of Human Organ Systems
CM2514 — Organic and Biological Chemistry

CM1512 — Chemistry for the Life Sciences 2
CM2516 — Shapes, Properties and Reactions of Molecules

PS2517 — Advanced Psychology B

SO2504 — Studying Social Life 2

BI25M — Microbes, Immunity and Infection
Pre-Professional — Second Year

First Semester

Choose one of the following combinations:

- BI20M3, BI20B2, BM2009 & SO2004
- BI20M3, BI20B2, PX2013 & SO2004
- BI20M3, BI20B2, PS2017 & SO2004

BI20M3 — Molecular Biology
BM2009 — Human Anatomy A
PX2013 — Light Science

BI20B2 — Physiology of Human Cells
PS2017 — Advanced Psychology A
SO2004 — Studying Social Life 1

Second Semester

Choose one of the following combinations:

- BI25M7, BI25B2, SO2504 & PS2517
- BI25M7, BI25B2, SO2504 & BM2509
- BI25M7, BI25B2, SO2504 & CM2514
- BI25M7, BI25B2, CM2514 & PX2510
- BI25M7, BI25B2, CM2514 & PX2512
- BI25M7, BI25B2, CM2514 & PS2517
- BI25M7, BI25B2, CM2514 & BM2509
- BI25M7, BI25B2, BM2509 & PX2510
- BI25M7, BI25B2, BM2509 & PS2517
- BI25M7, BI25B2, BM2509 & PX2512
- BI25M7, BI25B2, AT3528 & SO2504
- BI25M7, BI25B2, AT3528 & PX2510
- BI25M7, BI25B2, AT3528 & PX2512
- BI25M7, BI25B2, AT3528 & PS2517
- BI25M7, BI25B2, AT3528 & BM2509
- BI25M7, BI25B2, AT3528 & CM2514

AT3528 — Medical Anthropology (not available in academic year 2015-16)

BI25B2 — Physiology of Human Organ Systems
BM2509 — Human Anatomy B
CM2514 — Organic and Biological Chemistry
PX2510 — Relativity and Quantum Mechanics

BI25M7 — Energy for Life
BT1502 — Intro to Biobusiness
PS2517 — Advanced Psychology B
SO2504 — Studying Social Life 2

PX2512 — Cosmology, Astronomy and Modern Physics
Pre-Professional — Third Year

First Semester

Choose one of the following combinations:

PY3002 & SM3002
AN3301 & DB3005 & SM3002

AN3301 – Human Embryonic Development  
DB3005 – Principles of Developmental Biology

PY3002 – Integrative Physiology  
SM3002 – Frontiers of Biomedical Science

Second Semester

Choose one of the following combinations:

BM3501, BM3803, PY3803, AT3528
BM3501, BM3502, BM3803, PY3803

AT3528 – Medical Anthropology (not available in academic year 2015-16)

BM3501 – Cardiovascular Physiology & Pharmacology

BM3502 – Neuroscience & Neuropharmacology  
BM3803 – Integrative Neuroscience

PY3803 – Epithelial Physiology
Psychology — Second Year

First Semester

Choose one of the following combinations:

PS2017, PS2018 & 2 Courses

PS2017 Advanced Psychology A Concepts & Theory
PS2018 Advanced Psychology A Methods & Applications

Second Semester

Choose one of the following combinations:

PS2517, PS2518 & 2 Courses

PS2517 Advanced Psychology B Concepts & Theory
PS2518 Advanced Psychology B Methods & Applications
Psychology — Third Year

First Semester

Choose one of the following combinations:

- PS3011, PS3012, PS3014, PS3015
- PS3011, PS3014, PS3015, SR3021
- PS3011, PS3014, PS3015, SR3321
- PS3011, PS3012, SR3021, SR3321
- PS3011, PS3012, PS3014, SR3021
- PS3011, PS3012, PS3014, SR3321

**Course Descriptions**

- PS3011 – Psychological Assessment
- PS3012 – Perception
- PS3014 – Biological Psychology
- PS3015 – Methodology A
- SR3021 – Sports Psychology I
- SR3321 – Sports Psychology II

Second Semester

Choose one of the following combinations:

- PS3518, PS3519, PS3520, & 1 course
- PS3518, PS3519, PS3520, PS3522
- SX3504, PS3519, PS3520, PS3522
- SX3504, PS3519, PS3520, & 1 course
- PS3518, PS3520, PS3522, & 1 course

**Course Descriptions**

- PS3518 – Developmental Psychology
- PS3519 – Memory & Language
- PS3520 – Social Psychology
- PS3522 – Methodology B
- SX3504 - Consciousness

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BI1012  **Diversity of Life 1**

- a walk through the evolutionary tree of life, examining the amazing diversity of major groups of organisms from plants through fungi to invertebrates and vertebrates.
- learn about how each group of organisms arose, their characteristics, and how they achieved success.
- practical activities provide hands on experience of materials demonstrating the diversity of plants and invertebrates.
- you will be assessed by a combination of laboratory reports, on which you will get detailed feedback to help you develop your skills, and an exam.

Entry in Course Catalogue  Course Manual

BI2017  **Genes and Evolution**

- look at how instructions in genes are transformed by natural selection to produce the diversity of life on Earth;
- learn how species evolve, how we determine evolutionary relationships;
- why populations change, understand why humans (and other organisms) must carry genetic diseases;
- meet enthusiastic staff; each teach about areas we are expert on;
- take 3 Genes & Evolution Practical’s to gain hands on experience of approaches used by researchers to map genes, estimate rates of evolution, and determine evolutionary relationships;
- keep up to speed with in-course tests, understand basic statistics, see why mutations are not the only evolutionary currency

Entry in Course Catalogue  Course Manual

BI2020  **Ecology**

- a range of practical and workshop classes will enable you to consider information from lectures in more detail and develop ideas
- a range of types of continuous assessment allow you to consolidate learning throughout the semester
- an assessed essay will require consolidation of taught material across topics studied in lectures giving an overview of the subject
- detailed feedback on an assessed essay and practical assignments will help you develop essential scientific writing skills
- you will use Peerwise to write multiple choice questions, requiring thorough engagement with taught material and developing an extensive set of questions for use in revision

Entry in Course Catalogue  Course Manual
BI20B2  **Physiology of Human Cells**

- physiology is the science of understanding life. It allows you to explore and understand why your body does what it does and how it does it;
- this introductory physiology course explores living processes at the level of cells and molecules;
- the course lays down many of the fundamental concepts of physiology required to appreciate advanced study of many of the medical sciences disciplines;
- you will gain practical experience and understanding of electrophysiological techniques required for the study of electrically excitable tissues like nerves and muscle;
- you will also gain valuable experience in the key skill of writing formal scientific reports

**Entry in Course Catalogue**  **Course Manual**

BI20M3  **Molecular Biology of the Gene**

- this course will provide a comprehensive understanding of how genetic information is stored, how it is accessed by the cell to form functional proteins and how the release of this information is controlled to produce a healthy human child;
- understanding this process is essential to understanding the basis of human disease and the course will examine how genetic differences affect disease susceptibility;
- this popular, comprehensive and cutting edge course will equip students with the essential knowledge, skills and confidence in molecular biology required to progress on all courses undertaken in the School of Medical Sciences

**Entry in Course Catalogue**  **Course Manual**

BI2509  **Conservation Biology**

- lectures, workshops and practical classes provide opportunities for consideration of key conservation issues, allowing you to discuss and develop ideas
- you will visit a local nature reserve and consider some of the key management issues facing these types of site
- the main written assessment provide an opportunity to study a UK Biodiversity Action Plan priority species of your choice in depth
- you will receive detailed feedback on the essay and practical write-ups which will help you consolidate your skills in scientific writing

**Entry in Course Catalogue**  **Course Manual**

BI2510  **Principles of Animal Physiology**

- lectures by animal scientists based in SBS provide students with an understanding of how physiological systems enable animals to interact with their environment.
- by exploring functional properties of living systems at different levels (i.e., cell, tissue, organ, organism) students gain a holistic understanding of animal physiology.
- practical sessions focus on biological chemistry, circulation, muscle, insect movement and osmolarity, and allow students to develop relevant lab skills.
- through the study of vertebrate and invertebrate examples, students gain an appreciation of processes fundamental to all animals and of differences across groups.

**Entry in Course Catalogue**  **Course Manual**
BI1512 Diversity of Life 2

- a walk through the evolutionary tree of life, examining the amazing diversity of advanced invertebrates and vertebrates.
- learn about how each group of organisms arose, their characteristics, and how they achieved success.
- practical activities provide hands on experience of materials demonstrating the features of fish, birds and mammals.
- you will be assessed by a combination of laboratory reports, on which you will get detailed feedback to help you develop your skills, and an exam.

Entry in Course Catalogue Course Manual

BI25B2 Physiology of Human Organ Systems

- the digestive, cardiovascular, respiratory, renal and reproductive systems are covered using a variety of innovative teaching methods;
- you will participate in practical classes where students act as subjects and investigators. These will reinforce lecture material, develop scientific acumen and build team working skills;
- focussed and interactive problem solving sessions apply knowledge to clinical scenarios, and begin developing fundamental skills critically required in the final years of the degree;
- informal teaching sessions allow one-to-one staff-student interaction and encourage discussion in a non-threatening environment;
- a low stakes in-course mock exam is included to prepare you for the high stakes degree exam

Entry in Course Catalogue Course Manual

BI25M5 Microbes, Infection and Immunity

- if you were to count the number of bacteria in your gut, you might be surprised to find that you have 10 times more of them than you have cells in your body;
- from the moment we are born, we become infested with microbial life that has an enormous impact on our lives;
- in this course we explore the positive and negative aspects of our relationship with microbes, and how our immune system helps to maintain a fragile peace with our closest neighbours

Entry in Course Catalogue Course Manual

BI25M7 Energy for Life

- understanding the fundamental workings of cells is important to a wide range of scientific disciplines;
- this course integrates the key metabolic and biochemical processes that underpin human, animal and plant life in relation to health and disease;
- this core knowledge prepares you for more advanced study in all areas of life sciences and has wide ranging applications;
- you will also participate in an award winning practical series focussed on drug discovery which will build essential employability skills in experimental design, data analysis and practical laboratory skills

Entry in Course Catalogue Course Manual
BI25P4 – *Plants, People and the Environment*

- unique and popular modular structure where six academics deliver six topics using a mixture of plenary lectures on a subject of cutting edge research of their choice, background science lectures, practicals, interactive session (e.g. group discussions) and quizzes.
- as well as covering topical research issues, you will acquire fundamental biology knowledge and skills helping you to understand how plants and soil microbes grow and interact in soils.
- there will be five practical’s which contribute 50% of the course mark, and an exam of short, structured questions.

**Entry in Course Catalogue**  
**Course Manual**

**BM2009 Human Anatomy A**

- this course will teach you what we know about the structures of tissues and organs and how these might relate to development, various injuries or disorders;
- you will get a chance to work with prospected human cadaveric specimens and clinical imagery to help improve your theoretical understanding of regional anatomy;
- this course will increase your practical skills, improve your problem-solving and image interpretation skills, and help you understand why fundamental anatomy and imaging are so important to understanding human health and disease;
- this course will focus on joint, back, upper/lower limb, thoracic and abdominal anatomy.

**Entry in Course Catalogue**  
**Course Manual**

**BM2509 Human Anatomy B**

- this course will teach you what we know about the structures of tissues and organs and how these might relate to development, various injuries or disorders;
- you will get a chance to work with prospected human cadaveric specimens and clinical imagery to help improve your theoretical understanding of regional anatomy;
- this course will increase your practical skills, improve your problem-solving and image interpretation skills, and help you understand why fundamental anatomy and imaging are so important to understanding human health and disease;
- this course will focus on pelvic, head, neck and brain anatomy.

**Entry in Course Catalogue**  
**Course Manual**

**BT1502 Introduction to Bio business**

- this course will provide you with a flavour of the ways in which scientific ideas can be commercialised;
- the main aim of this course is to introduce you to the language of business and demystify some of the jargon that surrounds business models, intellectual property rights and finance;
- this is the first in a 3 course option (year 1 or 2, year 3 and year 4) that can lead to you obtaining your BSc in a discipline of Medical Science with Bio-Business and open up a whole new range of career options for you.

**Entry in Course Catalogue**  
**Course Manual**
CM1020 Chemistry for the Life Sciences 1

- this course covers the foundations of chemistry that underpin the life sciences at a molecular level. The course aims to consolidate a general background in chemistry by putting chemical concepts into a life sciences context. The basic concepts of chemistry will be covered, along with organic molecules, acids and bases, and the basic principles behind the driving forces of reactions.
- laboratory classes introduce important practical techniques, with experiments that reinforce and complement the taught material.
- the course will allow students to continue with other chemistry courses as part of their enhanced study by providing discipline breadth.

Entry in Course Catalogue  Course Manual

CM1512 Chemistry for the Life Sciences 2

- chemistry plays an important role in the life sciences, explaining the shapes and properties of biomolecules, and helping to provide an understanding of how biological processes work at a molecular level.
- the shapes and function of important biomolecules will be covered. Organic molecule reaction mechanisms will give insight into how different types of molecules can be synthesised. The energetics and importance of equilibrium in driving reactions will be covered.
- methods of chemical analysis and measurement introduce other important topics linking the chemical and life sciences.
- workshops and labs complement lectures by consolidating learning and developing problem-solving and hands-on practical skills.

Entry in Course Catalogue  Course Manual

CM2010 Energetics of Change in Chemical and Biological Processes

- this course covers key concepts in physical chemistry which underpin our understanding and ability to control chemical and biological processes.
- the principal points include thermodynamics (enthalpy, entropy and free energies), chemical kinetics (zero, 1st and 2nd order reactions, rate laws and half-lives and the relationship of rate laws to reaction mechanisms), and basic principles of electrochemistry (redox chemistry and the Nernst equation).
- a strong emphasis on calculations helps students get to grips with the course material and develops numeracy skills.
- laboratory experiments support and complement the taught material.

Entry in Course Catalogue  Course Manual

CM2011 – Analytical Methods in Forensic Chemistry

- has a suspect been at a crime scene? Has an accelerant been used in a fire incident? These questions can be solved by using modern analytical methods, which can determine trace element patterns or the presence of a compound used to start a fire.
- the course covers the underlying theory for identification and determination of, for example, drugs of abuse using structure determination by spectroscopic methods like UV, IR, NMR, mass
spectrometry and chromatographic separations. Atomic spectrometry is covered for trace metal
determination.
• in practical classes, students get hands-on training with modern analytical instrumentation, with
experiments in a forensic context.

Entry in Course Catalogue Course Manual

CM2514 Organic and Biological Chemistry

• modern organic and biological chemistry comprise the chemistry of carbon-containing
compounds, which are natural (e.g. foods, fuel, perfumes) as well as synthetic (e.g. soaps, textile
fabrics, pharmaceuticals).
• this course investigates some key areas in organic chemistry: shape, conformation,
stereochemistry, and chemical properties of organic and biological compounds.
• reactions and reactivity of aliphatic derivatives, olefins and aromatic compounds will be
considered with particular reference to spatial and electronic effects.
• the experiments performed in the lab will help students understand key organic concepts and
develop their synthetic/analytical skills.

Entry in Course Catalogue Course Manual

CM2516 Shapes, Properties and Reactions of Molecules

• this course investigates some key areas of inorganic chemistry. An introduction to simple crystal
structure types is given and important solid state materials such as high temperature
superconductors, photocatalysts and zeolites are described. The concept of symmetry is
introduced.
• redox chemistry is developed in terms of Latimer, Frost and Ellingham diagrams: their applications
in modern technology and industry are emphasised, including batteries, fuel cells, corrosion,
electrolysis and water purification.
• the key properties of transition metal complexes - shapes, colours and magnetism are described
and analysed in terms of crystal field theory.
• laboratory experiments are closely tied to the lecture materials.

Entry in Course Catalogue Course Manual

GG2013 – Physical Environments

• this course provides an understanding of environmental processes and landscape change
through time and space.
• the course places Physical Geography as an integral component of Earth System Science. The first
half of the course explores physical environmental processes, whilst the second focuses on
evidence of environmental change across a range of temporal and spatial scales.
• three themes of glaciology, hydrology and palaeoecology will be explored to illustrate the linkages
and interactions between process and form over a range of temporal and spatial scales.
• the course is team-taught by staff with an emphasis on using examples from recent research
projects.

Entry in Course Catalogue Course Manual
GG2509 – Environment & Society

- interactions between human society and our environment have never been more complex or more critical in order to place us on a pathway to a more sustainable future.
- this course explores the diverse approaches and perspectives that help us think about, explain and address all of the environmental challenges that we face in the 21st century.
- students will be introduced to these approaches and perspectives and will have the opportunity to apply them across a range of regional and global environmental issues such as climate change, sustainable tourism, the energy crisis and the ozone hole.

Entry in Course Catalogue  Course Manual

GG2510 – Mapping and Monitoring the Environment

- in a digital era of GPS navigators and many online map tools (e.g. Google Maps), there is an increase demand for professionals able to understand and manipulate geographical data and use these to monitor processes at various scales.
- the course provides a solid background in the acquisition of geographical data, both onshore and offshore with classic field-based and remote sensing techniques.
- it covers the creation and interpretation of maps and looks at the history of remote sensing and its science as well as providing the essential basis to understanding what a Geographical Information System is.

Entry in Course Catalogue  Course Manual

GL1505 – Earth’s Materials

- following on from GL1005 this course is an introduction to the petrogenesis of three major rock groups; igneous, metamorphic and sedimentary.
- practical classes will centre around the use of polarizing microscope in the identification of the common rock-forming minerals.
- the relationship between plate tectonics and the petrogenesis of igneous and metamorphic rocks, including types and styles of volcanic eruptions will be addressed. The formation and fill of sedimentary basins and their importance in the accumulation of hydrocarbons is an integral part of the course.

Entry in Course Catalogue  Course Manual

GL2014 – Stratigraphical Principles

- this course is concerned with absolute and relative time-scales as used by geologists to date geological events and processes.
- absolute dating using isotopic techniques, including the treatment of raw data, forms the cornerstone of the course.
- the use of the fossil record in relative and absolute dating is integrated with geological maps and absolute dating techniques to give a broad overview of the methods used by geologists to determine sequences of events in Earth’s history.

Entry in Course Catalogue  Course Manual
GL2510 – *Introduction to Field Geography*

- field-based observation is an essential skill for understanding the origin of rocks, and is a vital reality-check for understanding how Geological Science is practised and developed.
- this course gives students experience with techniques for investigating rocks in their natural habitat, studying the crucial relationships between different units, and developing good habits for observing and recording data in the field.
- students learn how to perceive geology in 3D, and to develop working hypotheses from incomplete evidence. This is achieved through a five-day residential field trip which is preceded by wide-ranging practical classes and explanatory lectures.

**Entry in Course Catalogue**

**Course Manual**

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PS2017 *Advanced Psychology A Concepts & Theory*

- the course builds on the material covered in the 1st-year courses expanding on psychology’s concepts and theories. The course covers three core areas of psychology Neuroscience, Organisational and Cognitive Psychology.
- the lectures on Organisational Psychology cover organizational culture, occupational stress, motivation, leadership and team work.
- the Cognitive psychology strand is split into two halves. The first half is focused on Memory, and the second half is focused on the Psychology of Language.
- the third strand within this course is focused on Neuroscience, and will cover topics such as localisation of brain function and the neuroscience of emotion.

**Entry in Course Catalogue**

**Course Manual**

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PS2018 *Advanced Psychology A Methods & Applications*

- this course aims to introduce students to a broad range of methods used in psychological research.
- lectures cover methods used to collect physiological data (e.g. brain imaging techniques), behavioural data (e.g. measures of task performance) and self-report data (e.g. survey, questionnaire and interview techniques).
- practical classes involve students working in small groups to design studies, collect and analyse data, and write reports. Practical sessions are also used to teach students to use a statistical software package (SPSS) to analyse data collected in psychological studies.

**Entry in Course Catalogue**

**Course Manual**

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PS2517 *Advanced Psychology B Concepts & Theory*

- this course builds on the material that is covered in the 1st-year courses expanding on psychology’s concepts and theories. The course covers four core areas of psychology, Developmental, Clinical, Social and Perception.
- the Lectures on Developmental Psychology covers both cognitive and emotional development across the lifespan.
- the clinical psychology section of the course will give you grounding in the key ideas within current Clinical Psychology practice and is taught by a practicing Clinical Psychology.
- social Psychology will cover topics such as leadership and group processes.
- the Perception part of the course will examine the visual and intentional systems.

**Entry in Course Catalogue**

**Course Manual**
PS2518 Advanced Psychology B Methods & Applications

- This course builds on the material covered in the first semester course PS2018.
- Lectures focus primarily on statistical methods and data analysis, with associated practical classes where students work in small groups to design and run their own studies and write reports.
- In addition, there are lectures and small-group sessions addressing broader topics, including ethical issues in psychological research and how the knowledge and skills that are developed in studying psychology methods can enhance students’ employability.

Entry in Course Catalogue Course Manual

PX2013 Light Science

- For most of us, our perceptions are governed most strongly by our vision. We speak of possessing a worldview, seeing what someone says. We see because of light, but what is light?
- As long as there has been science, light has been studied. It’s been considered a particle, a wave, and in modern physics is somehow both.
- This course explores the fascinating physics of this ubiquitous phenomenon, at an elementary mathematical level suitable for non-science students.
- We’ll cover petrological microscopy, of interest to geologists, interference and diffraction, how colour works and see how polarized sun glasses operate.

Entry in Course Catalogue Course Manual

PX2510 Relativity and Quantum Mechanics

- In the 20th Century, Physics got strange, and this course sets out to explore the foundations of this modern approach.
- In Special Relativity we look at the idea that time is not an absolute - that events can happen in different times for different observers - and explore the effects of travelling at close to the speed of light.
- The quantum mechanics section introduces some of the most exciting and dramatically successful science of all time, and discusses the evolution of this idea from the days of Schrodinger’s cat to quantum tunnelling.

Entry in Course Catalogue Course Manual

PX2512 Cosmology, Astronomy and Modern Physics

- This course gives insight into the Universe and looks at how modern physics impacts our world.
- From special relativity we will examine time dilation, length contraction and E=mc². Quantum mechanical concepts will be introduced, such as matter waves and the uncertainty principle.
- Particle physics is then outlined followed by the design and purpose of the LHC. The course discusses the Big Bang theory and important cosmological issues, such as the effects of general relativity, Olbers’ paradox, dark matter and dark energy.
- Large-scale astronomy to be covered includes stellar and galactic evolutions and ‘exotic’ objects such as quasars and black holes.

Entry in Course Catalogue Course Manual
SM2001 – Foundation Skills for Medical Science

- this course is the cornerstone to all the advanced science courses in later years and provides you with key skills for success in science;
- feedback from employers drove the course design to give specific and focused science skills to enhance your employability;
- analytical, professional, data interpretation, experimental design and problem solving skills are core elements that are essential for any graduate career portfolio;
- this course and the additional specifically developed online resources have been commended by employers and students alike.

Entry in Course Catalogue       Course Manual

SM2501 – Research Skills for Medical Sciences

- this course cultivates literature research skills, building confidence in team-working and communication through scientific writing and seminar presentation;
- it encourages student-led learning and organisation in researching a topic on human health or disease of your own choice, with tutors providing guidance;
- you will learn to use online and library resources to search for information from primary research articles and relay that information in the form of a written report and a PowerPoint presentation to peers and academic tutors;
- these are all fundamental skills for scientific researchers, but are also transferrable talents for many other career pathways

Entry in Course Catalogue       Course Manual

SO2004 Studying Social Life 1

- this 15-credit course follows on from level-one sociology. It is designed to highlight the ways that sociological theory informs the research endeavour, not only the questions sociologists raise, but also the particular modes through which we go about investigating them.
- the module examines these points in relation to a range of micro-level topics – bodies and eating, sex and gender, the emotions, the life course, and death and dying – all of which emphasise the nature of human interaction and sociological efforts to understand it.

Entry in Course Catalogue       Course Manual

SO2504 Studying Social Life 2

- this macro-sociology course extends students’ understanding of large-scale social, as well as political and economic, processes and institutions.
- particular focus is on the sociological analysis of global issues and socio-political controversies, many of which are subject to topical and, at times, contentious debate at the beginning of the 21st century.
- the substantive topics include areas of social and political concern such as globalisation; the changing nature of economy, work and leisure; risk and insecurity; multiculturalism; food production and security; social movements; nationalism and identities.

Entry in Course Catalogue       Course Manual
SR2002  **The Science of Sports Performance**

- understanding the fundamental factors that limit exercise performance is of great importance for human health and athletic performance;
- this course integrates the knowledge in biomechanics, physiology, psychology and pharmacology in order to build a comprehensive understanding of physical activity and exercise performance in humans;
- this core knowledge prepares you for more advanced study of sports and health sciences;
- you will also participate in practical series focused on energy expenditure, fitness testing and body composition which will build essential laboratory and data analysis skills of importance for employability in the area of sports and health

**Entry in Course Catalogue**  **Course Manual**

SR2501  **Exercise and Health**

- this course covers many ways in which exercise can be a useful tool in the prevention of disease and the promotion of health;
- examples of the areas covered include cardiovascular disease, metabolic disease, cancer, ageing, psychological conditions and immune dysfunction. The pathophysiology underlying these conditions will be introduced and how exercise can be a modulating factor;
- this will prepare you for further study in clinical exercise physiology;
- practical classes will deliver hands on science and will also cover data handling and statistical analysis

**Entry in Course Catalogue**  **Course Manual**

**SX1011 – Sustainability: Challenges & Opportunities**

- the course explores the meaning, challenges and opportunities of sustainability, through a multi-disciplinary approach, including elements from education, politics, international relations, sociology, philosophy and biology.
- we explore competing definitions of sustainability; the impact of personal, technological and economic actions and decisions on the environment; political strategies designed to improve sustainability; the emergence of international cooperation; and the roles and responsibilities of world citizens.
- global and local case studies are used to illustrate the interconnectedness of the issues involved e.g. climate change, food systems, energy, and economic development.

**Entry in Course Catalogue**  **Course Manual**

**SX10***/SX15** – Sixth Century Courses

- people have been studying at Aberdeen for over five centuries and Sixth Century Courses are exciting cross-disciplinary courses that place you at the cutting-edge of modern learning.
- they invite you to consider different approaches to knowledge and enquiry as you look at issues affecting the world in which we live today. They are designed to help you develop a deeper critical understanding of your chosen area of study by setting the subject in a wider context.
- all Sixth Century Courses are taught using innovative techniques and students are continually assessed throughout the course.

**Entry in Course Catalogue**
AN3009 – Architecture of Life

- this course will equip you with key micro-anatomical principles and concepts that underpin human form and function;
- you will study the intricacies of cellular and extracellular components; how these combine structurally and functionally to form a coherent organ, and how they are altered in disease;
- you will learn through structured practical classes, which form the core element of this course, lectures, tutorials and online histology packages;
- the course will equip you with key generic microscopical, analytical, problem-solving and transferable skills, aimed at developing graduate attributes, to provide a solid foundation for further study in the biomedical sciences

AN3301 – Human Embryonic Development

- this course provides a broad overview of the fundamental processes underpinning transformation of a single fertilised egg into a fully functioning individual;
- you will gain in depth and cutting edge knowledge on the major patterning and morphogenetic processes essential for establishing the body plan, major organ systems and causes of birth defects;
- this core knowledge is directly relevant and will prepare you for more advanced studies in all areas of Life Sciences, including Anatomy, Developmental Biology, Physiology and Neuroscience;
- wide transferable and employability skills, including problem solving and presentation practice, are a core component of the course

AN3503 – Biological Imaging

- biomedical imaging is a key method in clinical and research settings and has developed tremendously over the past decade; This course teaches principles of microscopical, PET, MRI, ultrasound and CT imaging, and explains how and when these techniques are used;
- practical sessions will deepen your understanding and shadowing a researcher in their lab will provide invaluable insights into the use of imaging methods in scientific research;
- elements of the course develop graduate attributes, such as writing for different audiences, including in a journalistic style, presentation skills and group work;
- the course is taught jointly by clinicians, basic scientists and technologists.

BC3503 – The Molecular Control of Cell Function

- to become knowledgeable about the fundamental roles played by selected proteins or groups of proteins in the working life of cells, tissues and organisms;
- to experience first-hand some of the laboratory procedures that are used to acquire the information learned about in lectures. This will also serve the general function of increasing students’ level of experience in designing and performing laboratory work and in data interpretation; and
• to gain experience in preparing and delivering the subject to an interested audience in order to enhance personal communication and presentation skills

BI3010 – Statistical Analysis of Biological Data

• in a series of cases studies, you will learn how to analyse and interpret biological data to a level which will allow you to design, at least, the first stages of your level 4 honours project.
• you will also choose from 4-6 topics in advanced data handling techniques also pertinent to level 4 honours projects.
• the course is intensive but allows you to work largely at your own pace with considerable assistance from 3-4 staff and 5-6 demonstrators.
• case studies are all derived from past BSc and MSc research projects giving a good insight to the range of project types available.

BI3504 – Sustainable Resource Management

• six themes that examine how theories related to sustainability are translated into practice are explored through structured in-class activities that challenge you to consider problems and evidence from different perspectives.
• case studies from tropical forestry, agriculture and biofuels increase your understanding of the complexity of resource management decisions and your awareness of ethical and moral issues embedded in problems that are often framed as scientific or technical.
• feedback from four short discussion essays will help you to improve your writing skills.
• weekly student-led discussions develop your capacity for attentive exchange, informed argument and reasoning, and skills in facilitating discussion

BI3506 – Conservation in Practice

• interactive course that explores key underlying principles in conservation and the challenges of applying those in the real world.
• field excursion to important protected area to learn about the practical issues of protecting biodiversity.
• guest lecturers from key figures in Scottish conservation and other relevant disciplines to give you insight into career choices and alternative perspectives.
• you will produce a poster and a project proposal and get feedback for improving your presentation and writing skills.
BI3801 – Plant/Animal Interactions

- The course sets plant animal interactions in an evolutionary context with a focus on recent research findings in the primary literature.
- Guest speakers from the James Hutton Institute in Aberdeen are used throughout the course to ensure the course content includes case studies of application of plant animal interactions research to land management.
- You will write an Opinion Piece assignment and have access to detailed feedback to improve your writing and presentation skills.
- An interactive workshop based around a current topic in plant animal interactions research will enhance your enquiry and debating skills.

ZO3308 – Animals in Captivity

- Through lectures and seminars we consider the physiology, development and nutrition of domestic, companion and exhibition animals in relation to animal husbandry and care.
- Students apply their learning in biology and zoology to the improvement of management practices and to the enhancement of animal welfare.
- By researching and presenting a seminar on a topic on welfare issues related to factory farming, students gain knowledge and skills in group working and oral communication.
- Through an essay assignment focused on a hypothetical Universal Declaration of Animal Rights, students develop critical thinking skills and build experience in constructing and evidencing an argument.

BI4301 – Environmental Pollution

- This course provides a foundation in understanding and managing environmental pollution.
- Divided into contaminated land, waste, air, freshwater and marine pollution, each week the subject, legislative and regulatory context, site investigation and appraisal, and management are introduced.
- Guest speakers from industry join the course each week (from Remedios, SEPA, ACC) giving you access to the reality of the role and important contact with practitioners.
- Each theme also has an associated practical element to provide hands on experience in techniques in environmental pollution, providing you with a grounding in the assessment and management of environmental pollutants.

BM3501 – Cardiovascular Physiology & Pharmacology

- Cardiovascular disease is the leading cause of death worldwide. Using teaching informed by high-quality research this course provides a comprehensive understanding of cardiovascular physiology and pathophysiology;
- You will learn how the knowledge of physiological processes is directed into identifying drugs targets for disease, which will improve your understanding of drug discovery;
- Insight into the molecular and cellular action of drugs in the cardiovascular system will prepare you for your final year research project;
• wider transferable skills include problem solving, data interpretation and training in the ethical and safety aspects of recruiting human subjects in research.

BM3502 – Neuroscience & Neuropharmacology

• during this course, you will start to appreciate why the diagnosis and treatment of various neurological and psychiatric disorders is both an art and a science;
• students will use real-life examples from case studies to help develop and demonstrate their knowledge and understanding;
• practical classes will enhance students understanding of why developing new neuropharmaceuticals is challenging and will improve their laboratory and analytical skills;
• this course will help students understand why multidisciplinary teams are essential in improving our understanding and treatment of neurological and psychological disorders;
• this course will improve your problem-solving, scientific writing, practical and data handling skills

BM3803 – Integrative Neuroscience

• this course aims to outline structural and functional alterations occurring in neuronal tissue during development, in the adult and in disease states;
• the course aims to identify and explain the mechanisms underlying these plastic events and to provide an understanding of their functional consequences by building on the expertise of neuroscience researchers;
• you will gain cutting edge, in depth and focussed knowledge of the brain’s development, function and pathology of diseases affecting the brain;
• wider transferrable skills such as writing skills, problem solving, and practical assessment of a neurodegenerative disease are interwoven strands aimed at developing graduate attributes and employability

BM4301 – The Science of Aging

• this course integrates advanced physiological concepts across the continuum of life;
• fundamental biomedical scientists meet with advanced clinical practitioners to facilitate an enquiry and interest based learning experience;
• with an aging population and ever increasing number of children with complex health challenges, you will be prepared to progress along a range of careers threads and understand the dynamic interplay between individuals and their changing physiological, psychological, pharmacological and biochemical needs for lifelong health and wellbeing;
• state of the art practical classes deliver hands on science and clinical skills to develop professional preparation and knowledge based practice
BT3502 – Bio-Business

- this course builds on the basic information provided in the introductory course (BT1502);
- the business models used by the pharmaceutical and biotechnology industry are explained and discussed;
- the importance of protecting intellectual property rights and the basis of freedom to operate are described;
- the basics of setting up a technology led business and how to finance this are also developed

Entry in Course Catalogue  Course Manual

CM3038 – Environmental Chemistry

- this advanced course describes, through a series of lectures, tutorials and laboratory practicals, how state-of-the-art and conventional analytical techniques can be used to characterise environmental processes.
- important chemical processes which impact the environment in which we live will be described. These include ozone generation and depletion in the atmosphere, an introduction to xenobiotics and the importance of metals in biomolecules.
- students will get the opportunity to use state-of-the-art analytical instruments, including chromatographic systems and trace element analysers during the laboratory practicals.

Entry in Course Catalogue  Course Manual

DB3005 – Principles of Developmental Biology

- this course covers many of the core concepts and processes which are essential for advanced study in Biomedical and related sciences;
- you will gain cutting edge, in depth and focussed knowledge of embryological techniques and tools and their practical applications, delivered in a research-driven environment;
- this course will prepare you for advanced study of developmental biology and human embryology;
- the practicals are designed to provide a 3D understanding of embryology as well as an in depth study of a model organism, providing transferrable skills such as problem solving and web page design and further developing graduate attributes and employability

Entry in Course Catalogue  Course Manual

EV3001 – Global Soil Geography

- field based course that takes you across northeast Scotland exploring an ancient tropical rainforest, hill farming in action, survey techniques and soil formation.
- a long tradition of soil science teaching at the University of Aberdeen assembled into lectures and field trips delivered by senior academics.
- your assessments are geared towards developing practical skills. This includes a field log book to teach survey techniques and a presentation on a particular soil that requires research akin to detective work. An essay and exam will also assessed

Entry in Course Catalogue  Course Manual
EV3802 – Environmental Analysis

• the mixture of applied science and theoretical work places you in a valuable position for understanding the procedures and applications in modern environmental science
• a number of laboratory classes allows you to familiarise yourself with the current analytical instrumentation in environmental science
• the course uses examples of environmental issues allowing you to understand the problem, how the analysis was conducted and the implications of the results
• the main assessment in this course is a practical write up that is written in the style of a scientific paper giving you an opportunity to perfect this style of writing

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FY3804 – Forest Resource Management

• this course explores a number of important forest management topics including the concept of sustainable forest management, forest economics, environmental impact assessment (EIA) and forest health.
• students learn about the long history of sustainable forest management – it’s not just a modern idea! – and how forest management plans are developed.
• two visits to different forests help you recognise forest management issues in the field. One visit is hosted by the Regional Manager and the Senior Ecologist of a major forest management company which gives you the opportunity to discuss issues with professional practitioners.

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GG3052 – Approaches to Earth & Environmental Science

• this year-long core course is designed to give Joint Honours students an advanced introduction to the history, philosophy and methodology of the earth and environmental sciences.
• the first part examines key conceptual debates and innovations. Topics include: the discovery of ‘deep time’, the development of ideas about ice ages, the ‘quantitative revolution’ in physical geography post-1945, the importance of digital technologies and the influence of environmentalism.
• the second part, designed to support students’ own project work, addresses the implications for research: e.g., the possibilities and pitfalls of different qualitative and quantitative approaches.

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GG3057 – Land & Marine Conservation

• this course is designed for students with an interest in how best to make use of land, water and cultural resources.
• it examines aspects of the science, ethics, aesthetics, economics, law and politics of landscape management. Example topics include: ecosystems services, national parks, ‘wild’ land, and sustainable tourism, illustrated using case studies from Scotland, the rest of the UK and further afield.
• teaching includes presentations from external speakers working in environmental conservation.
• students can select a case study of their choice to research and write-up as part of the course assessment.

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GG3068 – Data Analysis
- This course is a mix of 1 hour lectures and 1 hour practical sessions using statistical analysis software (SPSS). It is very much a ‘hands-on’ course and a wide range of datasets are employed to give you confidence in the application of statistical techniques.
- The course is designed to give you the skills to undertake exploratory data analysis, test for relationships (using correlation and regression), and test for differences between sample data (from the Sciences and Social Sciences).
- Classical statistical analysis techniques are introduced and the value of multivariate statistics to detect patterns in complex data sets is also explored.

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**GG3069 – Remote Sensing & Geographical Information Systems**

- After learning about the theoretical bases in GG2510, this course covers the practical aspects of remote sensing and GIS.
- It is entirely hands on, and students learn through a series of exercises that becomes progressively more challenging and more specific to different geographical disciplines.
- By the end of the course students will be familiar with key remote sensing and GIS software and will have learned their fundamental tools.
- These are highly demanded skills in the job market at present, so this course is strategic for those students potentially interested in a job where these types of tools are employed.

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**GL3521 – Sedimentology**

- Sedimentology is fundamental to interpreting past climate and geography from the evidence in the rock record of the environment in which sediment was deposited.
- This course develops the skills needed to make such interpretations by cultivating proficiency at description and process-based interpretation of sedimentary successions, and showing how study of modern environments is used to decipher sedimentary processes.
- We review the controls on the preservation of sediments to make the rock record, including an introduction to the concepts of genetic (sequence) stratigraphy, and see how this can improve discovery and recovery of water and hydrocarbon resources in the subsurface.

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**GL3525 – Field & Mapping Techniques 2**

- This course teaches the advanced field skills necessary for all practising geologists, and serves as preparation for the summer mapping project (GL4023).
- The material builds on that covered in GL3026 (Field & Mapping Techniques 1).
- Preliminary laboratory classes in Semester 2 are used to prepare students for the field exercises on the 10-day field trip. The students will learn how to systematically collect, analyse and present their own field data as part of wider scientific studies.

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**GN3502 – Genetics**
this is a comprehensive course, providing an essential foundation for all advanced studies in Genetics and Molecular Biology;
the principles of molecular genetics and population genetics will be covered, with an emphasis on their application to the understanding of human biology. The teaching material will integrate information arising from the recent explosion of genome sequence data, equipping students with the necessary skills to engage with this rapidly developing field;
a wide range of transferable skills are embedded within the course, including problem-solving, critical analysis of research material, oral and written presentation and subject-specific laboratory and computational skills

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MB3006 – The Molecular Biology of the Cell
• a course detailing for the first time how a cell really works; we reveal and explain how cell biology is governed by a cell's molecular biology and biochemistry;
• a course placing a high value on its teaching and learning; all lecture material supported by non-assessed workshops – your chance to team-work, ask questions and enjoy the science;
• contains an extended research practical; you carry out lab research to understand how cells responds to starvation stress, and write up in research paper format;
• we teach how to access the scientific literature and write successful essays, preparing you for Honours year

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MC3504 – Molecular Microbiology
• this course provides core information to prepare you for advanced studies in the areas of molecular microbiology and infectious diseases;
• in depth knowledge will be provided for the advanced study of microbes and their impact on all areas of life and society;
• you will participate in a practical that provides you with an insight into a real-life research project providing skills in experimental design, data analysis, practical laboratory skills and research publication;
• wider transferrable skills including problem solving and data interpretation are aimed at developing graduate attributes and employability

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PL3505 – Plant-Environment Interactions
• lectures, workshops, excursions and computer-based sessions provide a diverse set of learning opportunities relating to plant physiology and adaptations to their environment.
• A grant writing and grant review exercise on a topic of your choosing within plant physiology and interactions with the environment develops specialist knowledge and your capacity for creative, independent and critical thinking, problem identification and problem solving. Participation in a grant review panel helps you to develop confidence and oral communication skills.
• in a computer-based practical you will develop an understanding of how landscape modelling informs our understanding of plant-environment interactions.

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PL3804 – Plant Ecology
how and why are plant communities formed, sustained and lost?
the focus is on plant communities, especially interactions among species and with the non-living environment. Main themes are: populations, life histories and strategies, describing communities, community interactions, and changing communities.
delivery is by lectures, seminars, computer labs and field trips. there is a strong emphasis on quantitative techniques, including ordination, sampling vegetation and the analysis of data sets.
during the course, you will develop skills in enquiry, field techniques, data exploration and team working.
assessment: review essay (20%), a data-based project (20%) and a 2-hour exam (60%).

PS3011 – Psychological Assessment
psychological assessment is used by chartered psychologists in a number of areas, including clinical, occupational and forensic applications. The aim of this course is to introduce students to psychometric theory, real life applications of psychological assessment and the legal and ethical issues surrounding test administration.
topics covered on this lecture based course include: IQ and mood assessment; clinical neuropsychological tests of cognitive dysfunction and memory; assessment of dementia and forensic aspects of assessment (legal malingering).
an ideal course for students intending to secure a career in applied psychology.

PS3012 – Perception
interaction with the world around us involves perceptual processing using our three main senses: visual (seeing), auditory (hearing) and haptic (touch). The aim of this course is to consider a range of approaches to human perception, from historical beginnings to recent innovative research.
topics covered include: colour perception; face recognition; perception of pain and age related changes in perception. Students will also engage in guided debate with their peers regarding media portrayal of recent research findings.
this course is produced by academics that specialise in this field, ensuring the most up-to-date and relevant lecture material.

PS3014 – Biological Psychology
this course aims to provide students with a good understanding of the biological basis of behaviour and cognition. The course is split into two sections, each featuring 6 lectures. Section 1 focuses on psychopharmacology, which is the investigation of the effect of medication on normal and abnormal brain function. Section 2 examines brain function and memory, with a specific focus on the application of this knowledge within the criminal justice system.
specific topics that will be covered include: neurotransmitters; drug effects; Alzheimer’s disease; memory and psychedelic drugs.
the main aim of this course is to help students prepare, evaluate and run their own Psychological research. As such this is a ‘hands-on’ course, where students will have the opportunity to conduct a small research project and practice using SPSS for a variety of statistical analyses.

- the course also provides a thorough grounding in qualitative and quantitative research methods through a lecture series.
- specific topics covered in this course include: verification and falsification of results; ANOVA and qualitative research strategies.
- this course also features workshops on employability, providing students with information on career planning, networking etc.

PS3518 – Developmental Psychology

- what does it mean to be human? This course takes a developmental approach to that question, covering a range of psychological attributes that change with age. The course aims to introduce students to theories of perceptual, language, social and emotional development along with encouraging debate on some key conceptual issues (e.g. nature versus nurture).
- specific topics covered within this course include: Awareness of mental states; information processing theory; face perception and Autistic Spectrum Disorder (ASD).
- the broad range of developmental topics make this an ideal course for anyone with an interest in working with children.

PS3519 – Memory & Language

- the memory component of this course aims to introduce students to the main theoretical components of memory (working and autobiographical memory). Psychological theories of forgetting and eyewitness memory will also be discussed.
- the second component of the course, language, will introduce students to the key issues in psycholinguistics. This will include assessment of sentence processing, analysis of the processes underlying language production and factors that influence communication in different settings.
- the assessment of multiple approaches within both research areas will provide all students with a good basis for developing critical thinking skills.

PS3520 – Social Psychology

- social psychologists explore the psychological factors that influence individual behaviours within social situations. As such, the aim of this course is to provide students with an introduction to the range of topics within experimental social psychology, with a defined focus on social cognition.
- topics covered within this lecture based course include: Stereotypes; social perception and action; self-control; consciousness and mimicry.
- this course provides a scientific explanation for social phenomena, making it ideal for students with an interest in individual and group behaviour.
PS3522 – Methodology B

- this course builds on the skills already developed through participation in Methodology A.
- similar to that course the aim is to help students prepare, evaluate and run their own Psychological research. As such this is a 'hands-on' course, where students will have a second opportunity to conduct a small research project and practice using SPSS for a variety of statistical analyses.
- the course also builds on the thorough grounding in qualitative and quantitative research methods provided in Methodology A through a second lecture course.

PY3002 – Integrative Physiology

- this course integrates advanced physiological knowledge using examples from four different organ systems to help explain how these systems interact in health and disease;
- use of real-life clinical examples, diagnostic test data and a literature-based research project facilitates an enquiry and interest-based learning experience;
- with an aging population and ever-increasing number of people with complex diseases, you will appreciate why understanding how organs interact is the key to improving the diagnosis and treatment of various disorders;
- state-of-the-art practical classes measuring physiological functions delivers hands-on science and clinically-related skills to develop professional preparation and knowledge-based practice

PY3803 – Epithelial Physiology

- this advanced course explores the essential role of epithelial cells in renal, gastrointestinal and respiratory function;
- you will gain valuable practical experience and understanding of the electrophysiological techniques required for study of epithelial transport;
- you will develop your writing, data analysis and reporting skills with the production of a detailed practical report;
- you will hone your critical analysis skills for the interpretation of published scientific material;
- you will prepare a presentation on a selected scientific paper, deliver it during a class-led symposium on cutting edge epithelial physiology research

SM3001 – Frontiers of Molecular Medical Sciences

- this course covers many of the core technologies that are essential for advanced research in Molecular Medical and related sciences;
- you will gain cutting edge, in depth and focussed knowledge of core experimental approaches and technologies and their practical applications in a research-based context;
- you will acquire core practical laboratory skills;
- this course will prepare you for advanced study of molecular medical sciences;
- wider transferrable skills such as analytical thinking, problem solving and advanced laboratory techniques are interwoven strands aimed at developing graduate attributes and employability
SM3002 – Frontiers of Biomedical Sciences

- this course covers many of the core concepts which form the foundations for advanced study in Biomedical and related sciences;
- you will gain cutting edge, in-depth and focussed knowledge of cell function and cell signaling delivered in a research-driven environment in preparation for advanced study of similar material in the honours year;
- you will research a topic of choice and prepare a scientific review in a similar fashion to academic staff;
- problem solving exercises designed to illustrate the application of your knowledge in the wider world and advanced laboratory techniques are interwoven strands aimed at developing graduate attributes and employability

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SM3003 – Frontiers of Applied Medical Sciences

- this course covers many of the core concepts which are essential for advanced study in Applied Medical and related sciences;
- you will gain cutting edge, in-depth and focussed knowledge of applied human physiology and adaptation delivered in a research-driven environment in addition to core practical skills;
- this will prepare you for advanced study of exercise physiology in the context of performance, health and disease;
- wider transferrable skills such as employment preparation, problem solving, and advanced laboratory techniques are interwoven strands aimed at developing graduate attributes and employability

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SR3021 – Sports Psychology I

- an understanding of human psychological factors can be key to working successfully with people;
- this is the first of two courses designed specifically to look at psychological factors likely to affect individuals and their performance in the sporting environment;
- looking closely at a few influential psychological factors, the course provides research driven insights and strategies designed to benefit professionals and participants within the sporting and exercise community;
- wider transferrable skills such as employment preparation; data analysis and presentation, are interwoven strands aimed at developing graduate attributes and employability

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SR3321 – Sports Psychology II

- an understanding of human psychological factors can be key to working successfully with people;
- this is the second of two courses designed specifically to look at psychological factors likely to affect individuals and their performance in the sporting environment;
- looking closely at a few influential psychological factors, the course provides research driven insights and strategies designed to benefit professionals and participants within the sporting and exercise community;
- wider transferrable skills such as employment preparation, data analysis and presentation, are interwoven strands aimed at developing graduate attributes and employability

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SR3506 – Biochemistry & Nutrition of Exercise

• this course integrates the key concepts in nutrition and metabolism which are essential for understanding how these metabolic and biochemical processes underpin human physiology;
• you will be able to apply specialist knowledge of how exercise training and dietary intake influence human adaptation and optimise exercise performance;
• you will gain in depth and focussed knowledge through core sport and exercise science practical's which enhance employment skills, in addition to improving problem solving, experimental design and data interpretation skills;
• all this will prepare you for advanced study of human and exercise physiology

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SR3508 – Clinical Exercise Physiology

• this course covers how exercise can be used to treat diseases and prevent recurrence;
• diseases covered include heart disease, diabetes, asthma, cancer, osteoporosis, and sarcopenia (muscle ageing);
• practical classes that sometimes involve patients ensure that the course is practically relevant;
• anatomy classes cover the human musculoskeletal and cardiovascular system and underpin the teaching of the relationship between exercise and disease

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SR3511 – Nutrition, Health & Disease

• this course is the cornerstone of scientific nutrition covering a range of topics including constituents of food, assessment of dietary/nutritional status, nutrition and the life-cycle;
• the role of nutrition in the prevention and development of chronic diseases, current nutritional recommendations and policies are explored by world known experts (including researchers from the prestigious Rowett Institute of Nutrition and Health);
• there is a strong emphasis on presenting cutting edge research and evidence-based practices throughout the course;
• fundamental for any student who has a personal interest in human nutrition and/or wishes to pursue further studies/career in this field

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SR4006 – Promoting Health with Sport & Exercise

• an understanding and knowledge of each individual’s strengths and weaknesses, both psychologically and physically, is essential when working with people in the sporting environment;
• looks closely at psychological and physiological issues which can impede or compromise the beneficial effects an individual might gain from participation in sport and exercise;
• provides insight and understanding of those issues which can affect participation in sport and exercise, seeking to provide up to date research based solutions and strategies to overcome these issues;
• wider transferrable skills such as employment preparation, data analysis and presentation, are interwoven strands aimed at developing graduate attributes and employability.

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SX3002 – Science & Society

• science is constantly in the news, but how much do you know about how research gets to be news? How do you know you can trust what you read? If you have a great idea, do you know how to protect it and start a company?
• science and society will explain how the scientific media work and how to critically assess what you read.
• you will learn about scientific ethics by studying high profile cases of fraud. You will learn about intellectual property, how to protect it and how to use it from real-life entrepreneurs and those who support them.

SX3006 – Bioethics

• this course provides an introduction to ethical thinking in relation to biological topics. Many of the issues discussed have relevance to the everyday lives of the general population, and students are encouraged to take an active role in the course.
• teaching by staff from across the University gives a diverse range of topics and viewpoints.
• discussion sessions allow exchange of thoughts and opinions with both staff and peers on the course which give the opportunity to experience different ideas and take part in debate on controversial issues.

SX3012 – An Appetite for Food & Health

• food in general and nutrition in particular has become a hot topic in recent years and has been a subject for countless articles, books and TV programmes.
• food is no longer perceived only as a source of energy. Throughout the centuries people have developed a special relationship with food, through culture, customs, belief and politics.
• this course will highlight the physiological, societal, geographical, historical and cultural impacts of food and diet in our society.

SX3504 – Consciousness

• the mystery of consciousness is one of the most exciting and challenging fields in human endeavour. Consciousness provides a truly inter-disciplinary topic with relevance across both the sciences and the humanities.
• this Sixth Century course aimed at level 3 and level 4 students will present cutting-edge research using a clear inter-disciplinary perspective.
• the course brings together the disciplines of divinity, psychology, and medicine, with a particular focus on the clinical and health-based aspects of consciousness studies.
• the assessment is a mixture of non-traditional (e.g. Self-reflective journal) and a traditional (essay).
ZO3011 – Animal Evolution & Biodiversity

• in lectures you are guided through the theory of evolution, complementing your other biological sciences courses and helping you make sense of the diversity in the living world.
• in practical sessions on microevolution and phylogenetics, you gain insight into the processes of evolution and the tools used to study them.
• through talks and poster presentations you gain specialised knowledge and experience communicating complex ideas and synthesizing information from multiple sources.
• with focus on the fundamental importance of evolution for our understanding of the natural world, you learn about the interactions between science and society and how science progresses.

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ZO3306 – Marine Ecology & Ecosystems

• lectures and practicals provide a framework for thinking about the marine environment in an integrated way.
• a variety of data are used in practical sessions (e.g., oceanographic records, zooplankton and fish samples, video footage from the deep ocean) to support your data recording and analysis skills.
• guidance on writing an essay and feedback on your essay improves your understanding of what is expected in scientific writing and of your own strengths and weaknesses.
• case studies focused on the effects of human activities on marine systems support the development of your capacity for critical thought.

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ZO3307 – Animal Population Ecology

• students will be exposed to the basic ecological theory and modelling approaches required to study population dynamics, knowledge and skills that are of great importance to the conservation, management or exploitation of individual species.
• students will have the opportunity to apply the theory learned in class in a series of practicals organised around a single theme.
• the course will provide the students with valuable analytical skills and an in-depth understanding of population dynamics of animals

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ZO3513 – Environmental Physiology

• several themes explore how animals can adapt / have adapted to their environments within life and during evolution, providing an overview of the integrated nature of physiology.
• in groups, you will research how animals survive in extreme environments - presenting your findings as a scientific poster, developing transferrable skills in communication and team work.
• lab practical where you will perform quantitative PCR - a keystone method for gene expression profiling in the life sciences and a valuable transferrable skill.
• all learning material is rooted in the active research interests of teaching staff, meaning it is delivered effectively with great enthusiasm.

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ZO3808 – Biology & Control of Infectious Diseases

- this course will provide you with insights into key infectious diseases of humans and domestic animals of major importance around the world and approaches to control these diseases
- weekly practicals include hands-on modern molecular diagnostic techniques for disease detection and surveillance
- in course assessments include group-work posters, talks and the production of public health information pamphlets
- the mixture of a theoretical background, hands-on modern practical techniques and communication skills via different media gives a base from which to develop careers in the extensive field of infectious disease

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The University of Aberdeen is a great place to come study and has many opportunities for students who wish to study here for either a full year or for a semester. The University of Aberdeen is ranked in the top 150 universities in the world and is renowned for its research and teaching.

Are there restrictions to what courses I can study?

Courses in Clinical Medicine, level 4 English, BM4501 — Biomedical Sciences Honours Project are not available to incoming students. There are some restrictions on Law and Education courses otherwise, all other courses are available for you to study—provided they timetable together. Examples of courses which timetable can be found on pages 6 - 23.

If accepted, will I be guaranteed entry into courses?

Yes, all students who have been admitted onto the study abroad programme will be guaranteed entry onto the courses they have chosen to study—as long as your choices are submitted prior to any deadline.

Where Can I find out more?

More information about finances, how to apply and term dates can be found online at:
http://www.abdn.ac.uk/study/international/international-study-abroad.php

Who can I contact?

If you have any questions about study abroad and exchange opportunities at the University of Aberdeen, please contact us via email at: studyabroad@abdn.ac.uk

Alternatively, if you have questions about courses on offer within the College of Life Sciences & Medicine please contact us at: clsm@abdn.ac.uk