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Department of Life & Environmental Sciences

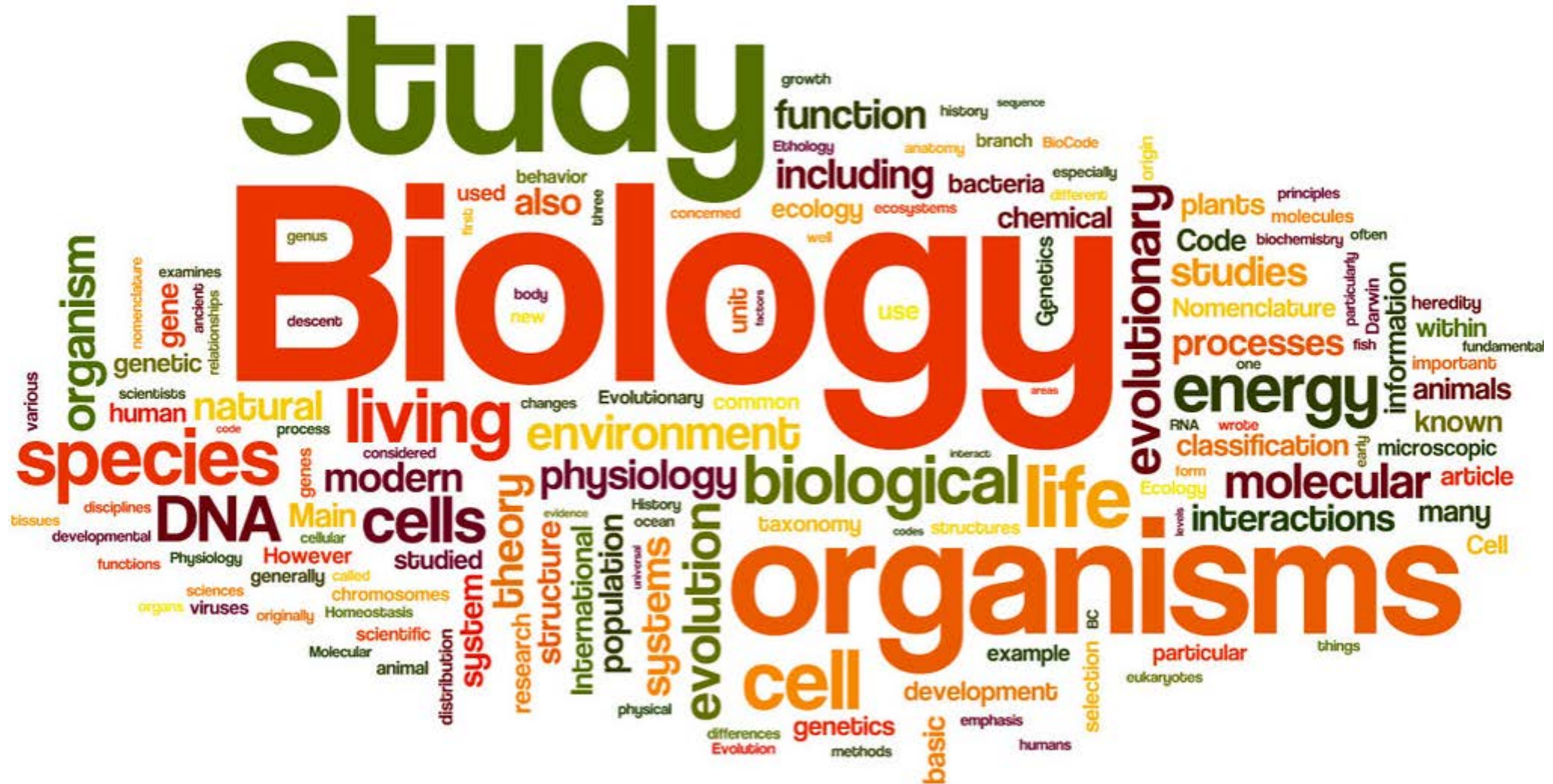
BSc Biological Science

Dr Demetra Andreou

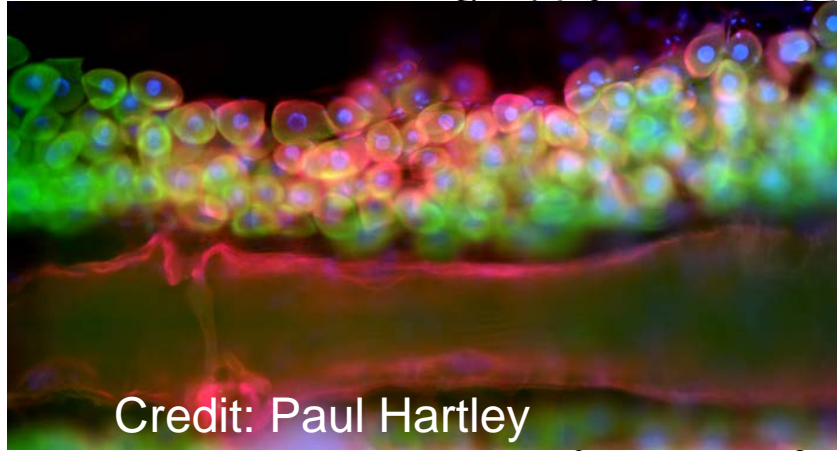
#BUopenday
#belongatbu

Contents of this talk

- What is Biological Science?
- Background to the University and Department
- Who teaches on the course
- Details of the course
- Transferable skills and experience



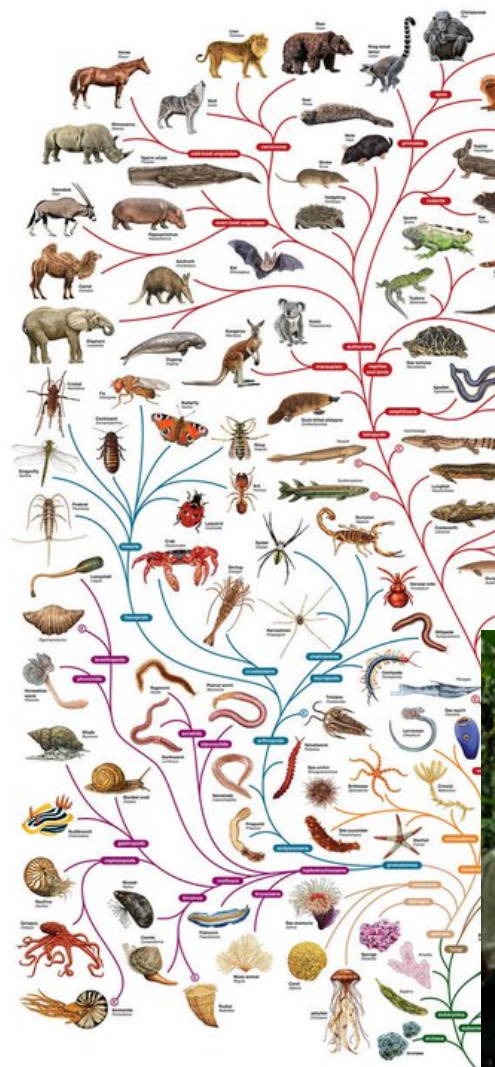
What is Biological Science?



Credit: Paul Hartley

36
Can never be the same as the one living in the same way

①
Then between A & B. various
size of relation. C & B. The
first predation, B & D
rather greater distinction
Then genus would be
formed. - binary relation



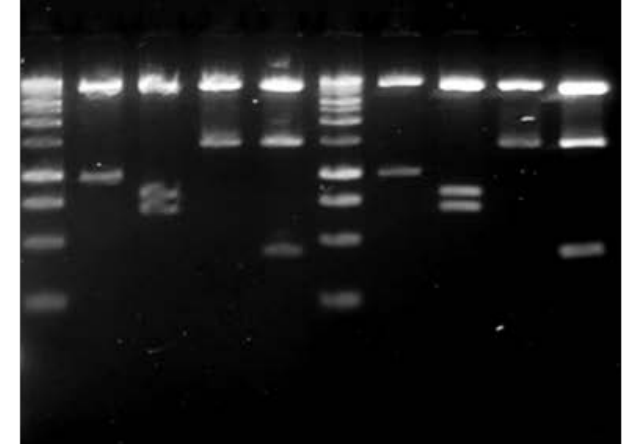
We have excellent facilities to study the small things.....



Study animal physiology

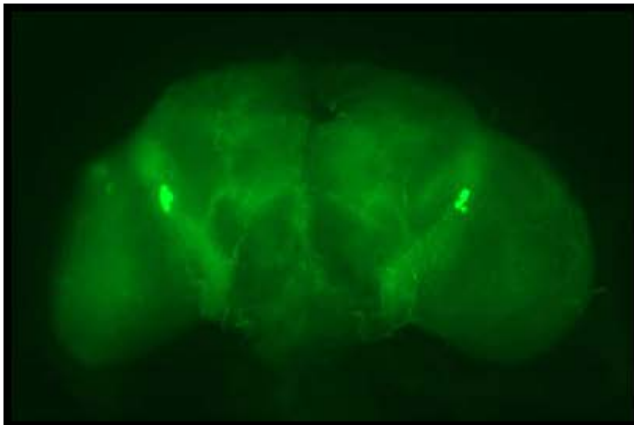


Make new organisms

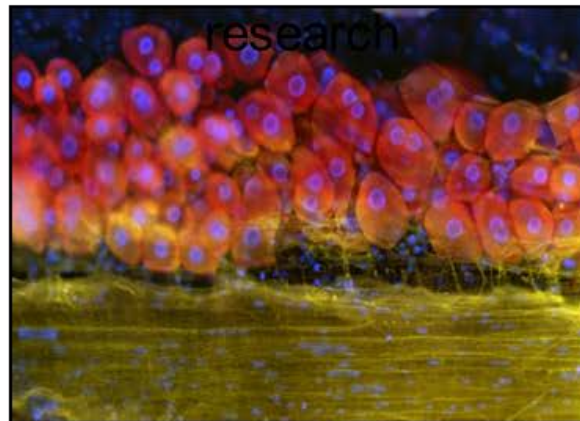


Engineer DNA

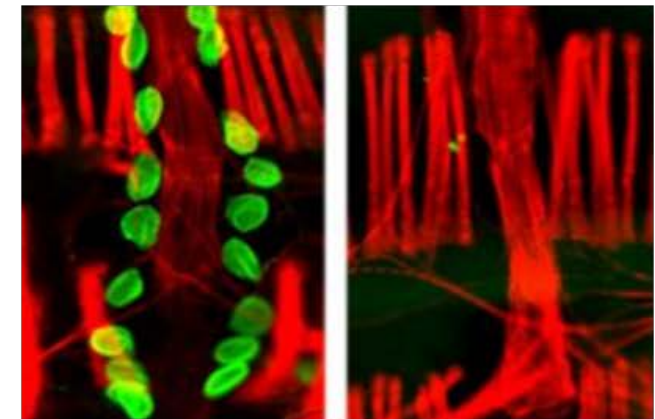
Look at little brains...



...little kidneys...



...and little hearts



And the big things.....



Fish tracking



Camera trapping



Marine surveys



Grassland surveys



Forest surveys



Freshwater surveys

...and these things...



Why Bournemouth ?



A natural laboratory



Poole Harbour Special Protection Area



Jurassic Coast World Heritage Site





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to be “commended”
for quality of student
learning opportunities**

The Quality Assurance Agency for Higher Education, September 2013

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- **Our BSc degrees:**

- **Biological Sciences**
- Biomedical Science
- Ecology and Wildlife
Conservation
- Environmental Sciences
- Geography
- Medical Science

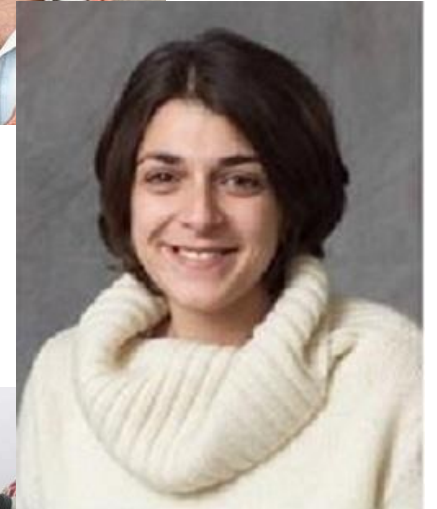
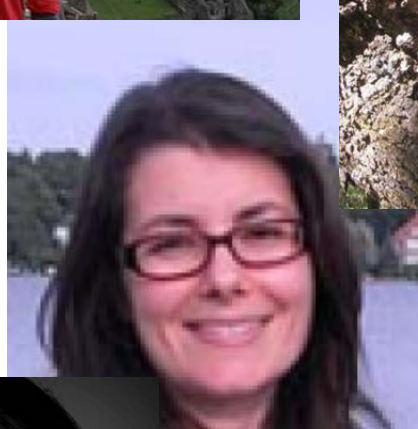


What we offer

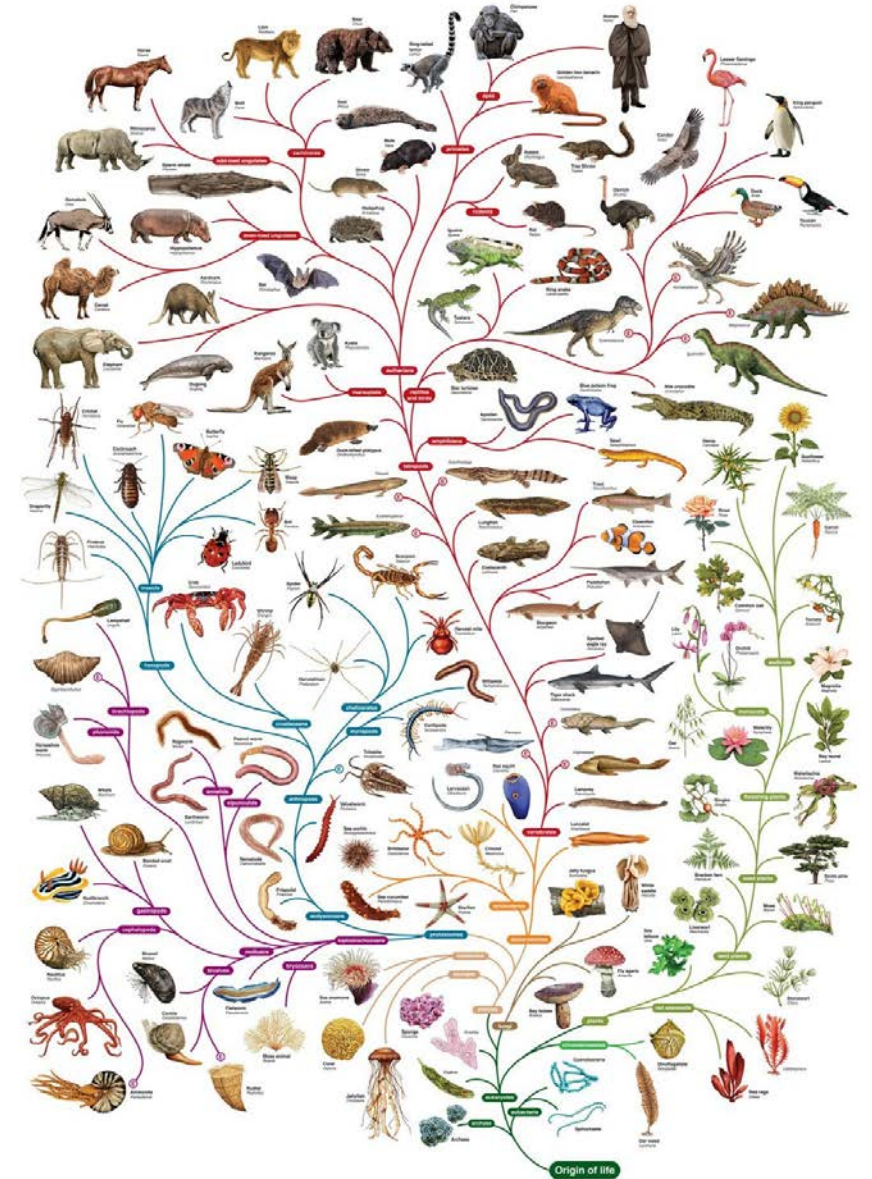
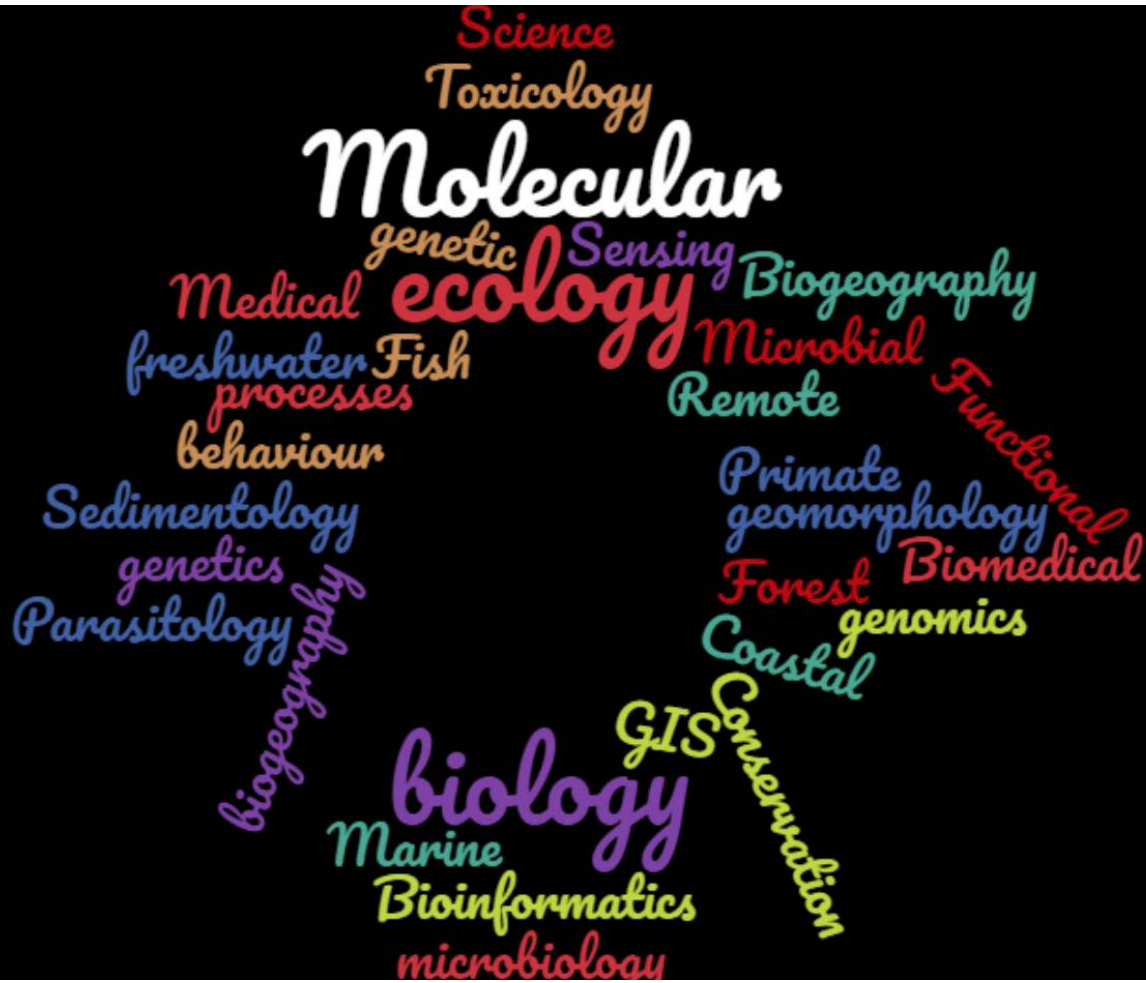
- An intensive **research-based education**
- Exposure to the **latest research and thinking**
- Access to excellent **laboratory facilities**
- Exposure to the best **natural laboratory** in the country
- A focus on **placements** and **employability**
- **Personal development** opportunities
- **Overseas travel** opportunities through placements and field courses



Our Staff and their research



Our research covers the study of life at all levels



BSc (Hons) Biological Science

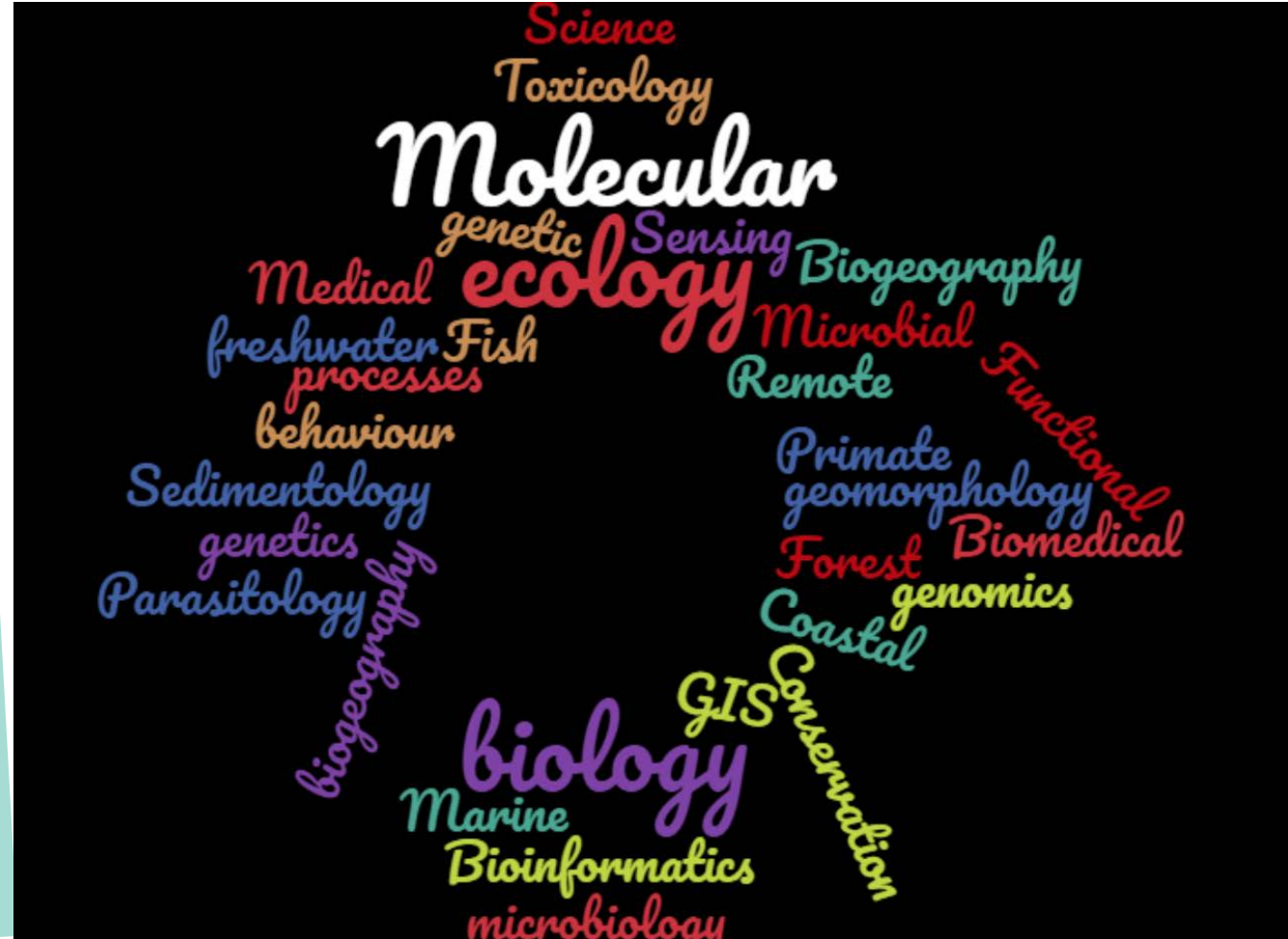
- Biological Science sits at the heart of the department
- BSc (Hons) Biological Science delivered from 2010
- Delivery of completely new and revised curriculum from 2015

Entry requirements:

- The entry requirements for this course are 104 to 120 tariff points from at least 2 A-Levels or equivalent qualifications, e.g. BTEC Extended Diploma DMM.
- All subjects considered.

BSc (Hons) Biological Science

This course will give you an excellent understanding of biological science and contemporary issues based on staff research. What's more you'll develop key skills required by employers, along with an understanding of how professional biological scientists work. You'll also have a choice of modules in your second and final year, allowing you to tailor your degree to suit your interests.



BSc (Hons) Biological Science

1st year

- Practical skills in biology
- Chemistry
- Research skills
- Cell biology
- Human anatomy and physiology



2nd year

Core units

1. Advanced Skills for Biological Sciences

2. Evolutionary Biology

Choose four options from

- Animal Biology
- Biochemistry
- Ecosystems
- Advanced Cell Biology
- Becoming Human
- Behavioural ecology
- Environmental and Societal Challenges
- International Field Trip
- Introduction to toxicology
- Microbiology

3rd year

- Independent research project

Choose four options from:

- Advanced topics in genetics
- Biological Oceanography
- Marine Conservation
- Pathophysiology
- Biomolecules
- Parasitology & Epidemiology
- Primate Behavioural Ecology
- Topics in Wildlife Conservation

- **Gain essential work experience!**
- Two 5 week placements at end of 1st and 2nd year)
- Optional 30 week placement (3rd year)
- Funding available through International Travel Grants

“Two thirds of employers believe gaining practical experience is the most valuable step you can take to improve your employment prospects. Practical experience brings advantages that nothing else can match.”

(Source: 2010 CBI/EDI Education and Skills survey).

Placement Support

- Dedicated Placement Coordinator
- Placement & Employability Skills Seminars in 1st & 2nd year
- Help you plan your placement to make sure you get the right experience
- Support if you need to move to another part of the UK or another country
- Close industry links mean we have a network of employers that are keen to work with placement students



Placement examples

- MRC Porton Down
- Centre for Environment, Fisheries & Aquaculture Science
- WISH Laboratories
- National Oceanography Centre
- The Wildlife Trusts
- Primary & Secondary Schools
- Johnson & Johnson



Johnson & Johnson



Other ways you can get involved at BU and build your CV



Image by Alamy/Photo

PERSONAL DATA

PLACE AND DATE OF BIRTH: Someplace, Italy | dd Month 1912
ADDRESS: CV Inn 15, 20100, Milano, Italy
PHONE: +39 123 456789
EMAIL: name.surname@gmail.com

WORK EXPERIENCE

Current | **Trader at ENOI s.p.a., Milan**
Physical Natural Gas Trading
Provided analysis of spreads, in particular time and location spreads, with emphasis on trading opportunities on the curve, also taking into account the availability of storage facilities. Became familiar with logistic implications of physical gas trading and developed knowledge of continental virtual hubs for gas exchange.

JUL-OCT 2008 | **1st year Analyst at LEHMAN BROTHERS, London**
Commodities Structured Trading
Developed spreadsheets for risk analysis on exotic derivatives on a wide array of commodities (gas, oils, precious and base metals), managed blotter and secondary trades on structured notes, liaised with Middle Office, Sales and Structuring for bookkeeping.

SUMMER 2007 | **Summer Intern at LEHMAN BROTHERS, Capital Markets**
Received pre-placed offer from the Exotics Trading Desk as a result of very positive review. Rated "truly distinctive" for Analytical Skills and Teamwork.

EDUCATION

JULY 2008 | **Master of Science in FINANCE, Bocconi University, Milan**
110/110 *summa cum laude* | Major: Quantitative Finance
Thesis: "Sublinear and Locally Sublinear Prices" | Advisor: Prof. Elio CASTAGNOLI
GPA: 18.61/30 | Detailed Use of Exams

JULY 2006 | **Undergraduate Degree in LAW and BUSINESS ADMINISTRATION**
110/110 *summa cum laude*, Bocconi University, Milan
Thesis: "Portfolio Strategies with Target Prices" | Advisor: Stefano BONINI
GPA: 29.89/30 | Detailed Use of Exams

FALL 2005 | **Exchange Semester at University of Southern California, Los Angeles**
GPA: 3.875/4 | Detailed Use of Exams

JULY 2003 | **Liceo Classico "E. Danti", Matera** | Final Grade: 100/100

SCHOLARSHIPS AND CERTIFICATES

SEPT. 2006 | **Scholarship for graduate students with an outstanding curriculum** 6000.0000

Student Research Teams for project team-based experience



SERT Expeditions



REAL-WORLD ENVIRONMENTAL ISSUES ADDRESSED WITH PRACTICAL EXPERIENCE AND SCIENTIFIC EXPERTISE



"Working with BUG helped develop my career opportunities. Now I get to help others develop theirs!" Josie, now a lecturer at Sparsholt College

BOOST
YOUR
CV!



"I had a fabulous time working with BUG – being able to learn and put new skills into practice has really helped to define my career development" Ash, BSc Biological Sciences



"A fantastic opportunity to get real-world experience with the BUG consultancy team. A really enjoyable perk to my time at BU!" Catie, PhD student



Co-creation



Bournemouth University
Dept of Life & Environmental Sciences
Co-creating Science

STAFF | STUDENTS | PRACTITIONERS

<http://www.cocreate4science.org/>

[Co-create for Science](http://www.cocreate4science.org/)

84%*

Obtain a good degree (1st or 2.1)

92.3%*

Employed, about to start work or in further education 6 months after graduating

*Unistats, Destination of Leavers from Higher Education (DLHE), BU institutional data and Ipsos MORI (National Student Survey)

Academic and personal development

You will receive a sustained induction programme focused on:

- The transition to university education
- Personal goal setting
- Extracurricular activities:
e.g. student clubs & societies, volunteering opportunities

Supporting you

- AskBU – general support
- On-site childcare facilities
- Careers advice & myCareerHub
- Chaplaincy
- Subject librarians & Library experts
- On-site Police team and campus safety security events
- Student Wellbeing
- Student Advice (Students' Union)
- ResLife

.... To name a few.



Photos: Various, #BUproud

Opportunities for academic and personal development

- Peer-assisted learning (PAL) sessions
- GROW@BU
- Academic Advisors
- Student Reps
- Student Champion
- Student Development Awards

Developing employer-valued skills

- Creativity
- Confidence
- Critical
- Logical
- Methodical
- Industrious

Developing professional skills

**BC
UR** BRITISH
CONFERENCE OF
UNDERGRADUATE
RESEARCH



Thank you

What's next ...

Tour / talk to us

- Following this talk

Visit us in the Sports Hall

- Find out more details about the course
- Have any questions answered

