



Department of Life and Environmental Sciences

BSc Ecology and Wildlife Conservation

Professor Richard Stillman – Head of Department

#BUopenday
#belongatbu

Other courses in the Department of Life and Environmental Sciences

- BSc Biological Sciences
- BSc Environmental Science
- BSc Geography

Contents of this talk

- Key features of the course
- Who teaches on the course
- What to expect
- Transferable skills and experience

Why BU?

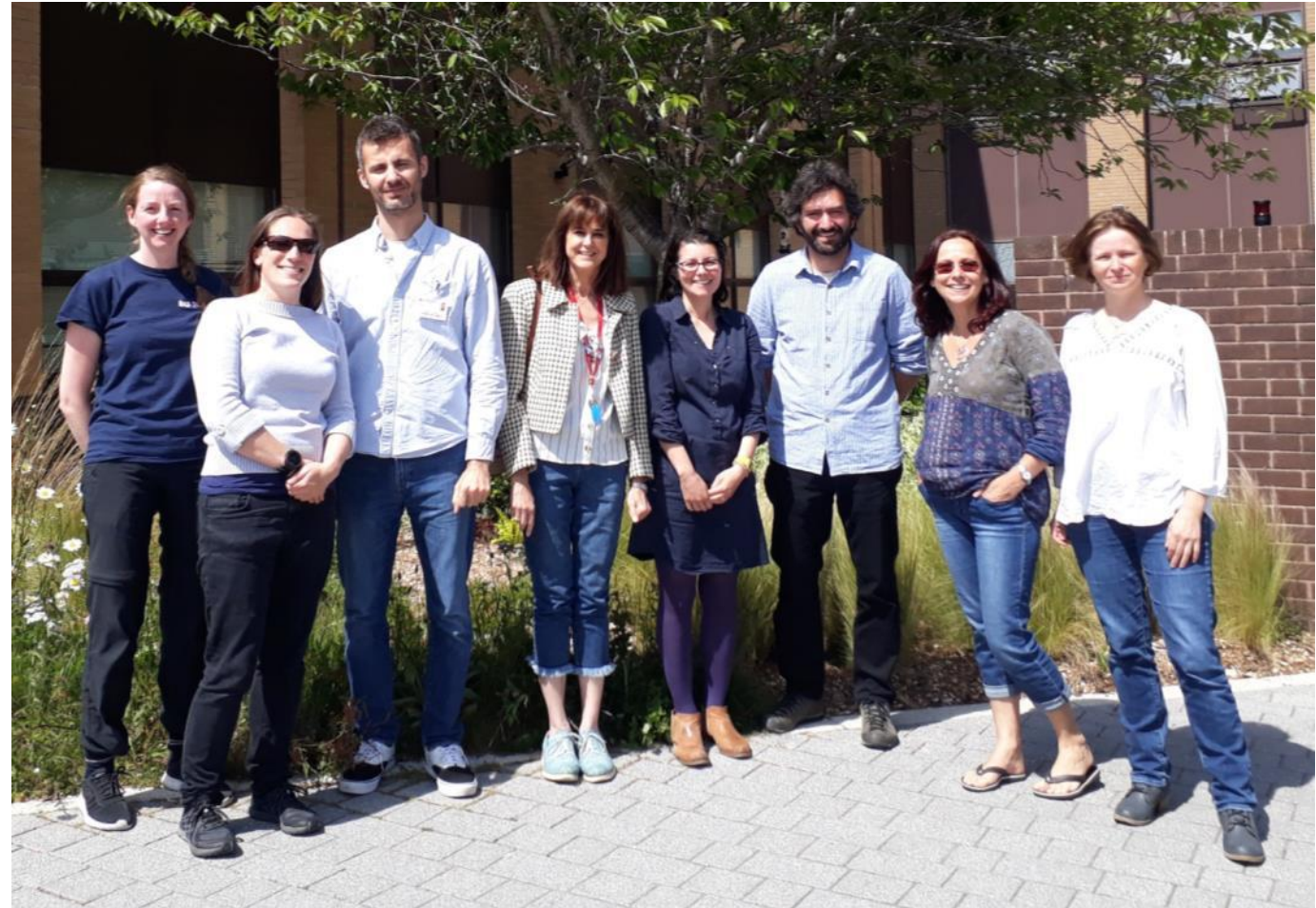


Gender equality in
higher education.



Department Athena SWAN Bronze award

- Athena SWAN recognises good practices in the advancement of gender equality
- Our self-assessment team and action plan continue to improve our practices



Department Gold Award for Green Impact

- Green Impact is an environmental accreditation delivered by the National Union of Students (NUS)
- We were audited by BU students trained by NUS



Key features of the course – the location

- Benefiting from the outstanding natural surroundings
- World Heritage Site
- Biodiversity hotspot
- National Parks and Nature Reserves



Poole Harbour Special Protection Area



New Forest National Park



Jurassic Coast World Heritage Site



Bournemouth – a great place to study and live



Key features of the course

- National and international fieldwork
 - Residential field course in UK (1st year)
 - Optional international field course (2nd year)
- Academic Advisors (tutors) help you learn core skills
- Independent research project (3rd year)
- Emphasis on transferable skills and employability
 - 2 work placements (5 weeks each, end of 1st and 2nd year)
 - Optional placement year (30 weeks)
 - Extracurricular opportunities to build your CV



Key features of the course

- Research-led teaching and scientific underpinning of courses
- Lecturers active in their areas of research and enthusiastic about their subjects
- Staff with diverse interests



- Science, Technology, Engineering & Mathematics (**STEM**) subjects are seen as vital to economic recovery
- And science graduates are in demand in *all* areas of employment - **superior skills in problem solving**

BSc Ecology and Wildlife Conservation

1st year

- Ecological Research Skills, Ecology, Physical Geography, Wildlife Protection, Diversity of Life, Residential Field Trip

2nd year

- Advanced Skills for Conservation, Ecosystems, Wildlife Survey Skills, Evolutionary Biology

Choose two options from:

- Behavioural Ecology, Environmental Pollution, Geographical Information Systems, Environmental and Societal Challenges, International Field Trip, Applications of Environmental Science, Microbiology, Marine Geography, Quaternary Environments, Animal Biology

3rd year

- Independent research project

Choose four options from:

- Globalisation and Sustainable Development, Parasitology and Epidemiology, Climate and Environmental Change, Applied Biogeography, Environmental Remote Sensing, Primate Behavioural Ecology, Topics in Wildlife Conservation, Environmental Law and Management, Biological Oceanography, Emergence and Extinction, Freshwater Resource Management, Marine Conservation

Behavioural Ecology unit (Year 2)

- **Teaching staff**

Richard Stillman, Amanda Korstjens, Paul Hartley

- **Assessment**

50% coursework, 50% exam

- **Duration**

Semester 2 (February to May)

- **Delivery**

34 one-hour lectures, 2 day fieldtrips, 1 field study

- **Example content**

Learn about all animal groups, how animals make decisions, foraging and movement behaviour, social and reproductive behaviour, applying behaviour to wildlife conservation

- **Leads on to**

Primate Behavioural Ecology, led by Amanda Korstjens



Student feedback

‘The course has provided me with a broad range of educational tools which I can apply in an environmental and/or conservation based career. From Habitat Management and Wildlife Behaviour to Environmental Law and Professional Practice.’

Andrew Fisher, BSc Ecology & Wildlife Conservation

‘The variety of subjects available within the course adds significant value to a C.V. In addition, being able to focus during the third year on areas of particular interest has made for a more ‘tailor made’ experience.’

Ann Thornton, BSc Ecology & Wildlife Conservation

BSc Ecology and Wildlife Conservation

You will be well qualified for:

- Ecological NGOs
- Government conservation
- Ecological consultancy
- Ecotourism
- Further education
- Research degree



Programme (course) leader



Anita Diaz

Plant and animal interactions, conservation ecology



Amanda Korstjens

Primate behaviour and ecology



Kathy Hodder

Ecology and sustainability



Richard Stillman

Bird ecology and modelling



Adrian Newton

Forest ecology and sustainability



Roger Herbert

Marine biology



Rick Stafford

Ecology and statistics



Elena Cantarello

Green economy, forest ecology



Duncan Golicher

Forest ecology and biogeography



Pippa Gillingham

Biogeography



Ross Hill

Remote sensing, GIS



Rob Britton

Fish Ecology



Iain Green

Soil ecology and toxicology



Chris Shiel
Sustainability



Dan Franklin
Marine biology, oceanography



Andy Ford
Geomorphology, remote sensing



Matthew Bennett
Geomorphology



Luciana Esteves
Coastal processes



Marin Cvitanović
Ecosystem services



John Stewart
Paleoecology



Demetra Andreou
Genetics and Parasitology



Emilie Hardouin
Conservation genetics



Genoveva Esteban
Microbial biology



Kevin McGhee
Human genetics



Anna Mantzouratou
Human Genetics



Wei-Jun Liang
Genetics



Paul Hartley
Genetics

Making the transition to university

Induction focused on:

- The transition to university education
- Professional skills
- Personal goal setting
- Strategies for success
- Developing networks
- Extracurricular activities:
e.g. student clubs & societies, volunteering opportunities



Support available throughout your study includes:

Academic support

- Disability & Additional Learning Support
- Language Centre
- Library & Learning Support
- GROW@BU

Health and wellbeing

- Chaplaincy
- Counselling
- Medical Centre

Course-specific support

- Peer-assisted learning (PAL) sessions
- Programme leaders
- Academic Advisor (Personal tutor)
- Student reps

Study support

- Academic writing
- Exam and revision techniques
- Presentations
- Referencing
- Avoiding plagiarism

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

Student societies



Student Research Teams for project team-based experience



Placement opportunity – get involved in student-staff co-created research !



Enhancing Urban Green Space for Pollinators

Starting Jan with most fieldwork in June 2016

Counts as a three week placement as includes some prep work in semester 2



1. Bombus terrestris
2. Honeybee
3. Other beetle
4. Other fly
5. Marmalade hoverfly
6. Mining bee
7. Other hoverfly
8. Other bee
9. Bombus hypnorum
10. Thick legged beetle

Deadline for application 30th Nov.





Diverse opportunities for learning & demonstrating skills gained to future employers



Bournemouth University
Dept of Life & Environmental Sciences
Co-creating Science
STAFF | STUDENTS | PRACTITIONERS



Co-Creating
Scientific
Knowledge &
Understanding

Home
SERTs
Individual Placements
Research Assistants
Class Projects
Dissertations/Theses
Outreach Events



Learning in partnership
with academic staff and
professional
practitioners e.g.

- Individual Placements
- SERTs
- Research Assistants
- Class Projects
- Dissertation
- Outreach Events

On your mobile →

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

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



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

