UNIVERSITY CENTRE
SPARSHOLT

FORWARD thinking

Naturally
INSPIRING

2021 UNDERGRADUATE AND POSTGRADUATE COURSES

TEF Gold

TEF Gold Teaching Excellence Framework

THE NATIONAL ZOO ACADEMY

An Associate College of

UNIVERSITY OF PORTSMOUTH

Investing in your future

As Principal Designate of University Centre Sparsholt, I am delighted to have been appointed at such an important time for Sparsholt's facilities, research and student experience. In 2019, Sparsholt celebrated a whole year of our TEF Gold Award for teaching excellence and saw the opening of the Sir Mark Todd Rider Performance Studio, a state-of-the-art facility for equine students that houses our very own Racewood Simulator, aptly named Charisma. We were also so pleased to have received an overall student satisfaction rate of 89% in the 2019 National Student Survey, a figure above the national average.

Looking forward to the year ahead, Sparsholt will be moving forward with its £2 million investment in our Animal Health and Welfare Research Centre that will add to the range of techniques, skills and industry expertise of our students.

We look forward to welcoming you to our growing countryside campus and introducing you to our expert lecturers.

Julie Milburn, Principal Designate

Welcome

TO OUR THRIVING COMMUNITY

Excellent career connections

PUTTING THEORY INTO PRACTICE

Gold standard teaching and learning

Your lecturers are experts in their fields, with the latest insights and extensive connections with employers and industry leaders.

At UCS you will undertake innovative and challenging research projects as part of your degree, as well as putting your learning into practice on exciting industry placements.

Our graduates have great employment rates, securing dream jobs such as veterinary nurse, ecological consultant, zoo education officer, behavioural research officer at an animal welfare charity, conservation project officer and researchers at key conservation organisations, fisheries enforcement officer, fish health inspector, equine welfare scientist, international events marketing manager, to name a few.

97% of graduates progressed to employment or further study (DLHE 2017)

Outstanding facilities

Set in the beautiful Hampshire countryside, our large and attractive campus has an array of specialist facilities designed to enhance your learning and provide you with industry-standard experience.

From our state-of-the-art new Rider Performance Studio opened by Sir Mark Todd with Racewood Eventing Simulator 'Charisma', to the Animal Health and Welfare Research Centre, home to The National Zoo Academy and over 200 species, our diverse on-site habitats and industry-standard training areas such as the unique Aquatic Research and Conservation Centre and Salmonid Research and Trials Centre will both inspire, and support, your learning.

Visit our website to find out more.

89% overall student satisfaction rate
NSS 2019

Your learning landscape

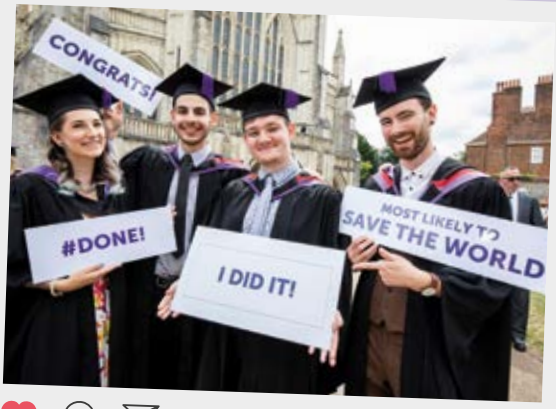
THE SPACE TO SUCCEED

Vital industry exposure

@uc_sparsholt

Here is a selection of the many opportunities for UCS students to put their skills into practice, enjoy networking and start making an industry impact. Follow our social channels to see much, much more.

Our BSc Wildlife Ecology and Conservation third year students have been exploring **#rspbscotland** in the **#abernethyforest** and looking into pseudo-iterative spatio-temporal heterogeneity! **#UCSYearbook**

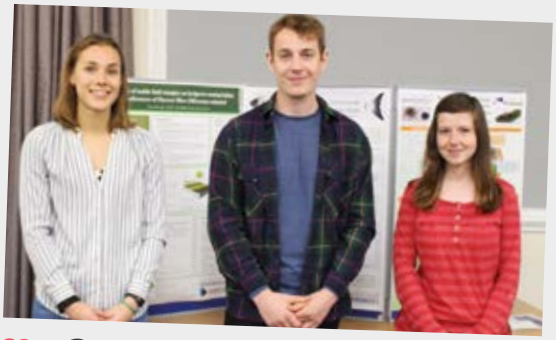


Today was a fantastic day celebrating our students' achievements at Winchester Cathedral! We're so proud of you and we can't wait to see what you go on to achieve. **#Sparsholtgrads #UCS_graduation2019**

Our **#UCSparsholt** Animal Science students are having a brilliant time on their study tour to Costa Rica. They have been working closely with **#leatherbackturtle** at the **#latinamericanturtlesanctury** and now they are ready for a week of adventures in the rain and cloud forests!

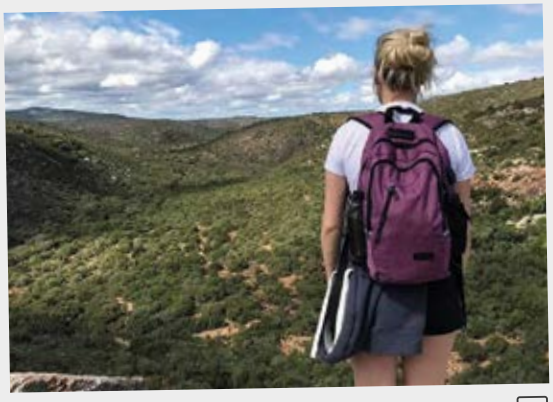
Trips and visits

LINKS FOR LIFE

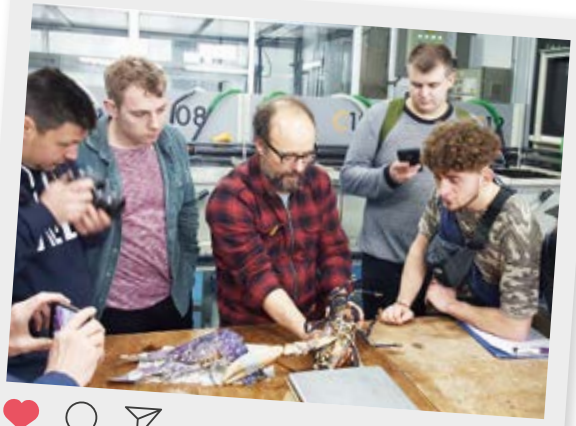


BSc students presenting their dissertation projects in front of their peers, lecturers and invited guests. Congratulations to our winning students for presenting their exciting research.

Staff and students recently attended the **#AlltechHartpury** Conference 2019 to present their final year dissertation projects!



Walked to the top of a mountain on our South African study tour, the views were totally worth it. **@teamshamwari @gapafricaprojects**



#UCSparsholt Aquaculture and Fisheries students have had a great start to their Spanish study tour! **#IGAFA**

Meet our new arrival: Meeko! This female red panda bred in **@fotawildlife** has joined Sparsholt's growing animal collection as part of the breeding programme.

A very proud day today as final year FdSc Veterinary Nurses received results confirming they passed their final OSCE practical examinations!

Wildlife Ecology and Conservation graduate Louis is now studying forest ecology at postgraduate level in Minnesota, **USA**

Wildlife Ecology and Conservation students explore the Abernethy Forest in the **Cairngorms National Park** as just one of their many study tours

Zoo Biology and Animal Science students went on the **Amsterdam** Higher Education study tour

Our Animal Science and Zoo Biology students visited **Paris** on a study tour, experiencing French collections including Zoo de Beauval

Fisheries, Aquaculture and Marine Studies students had fantastic weather on their Spanish study tour. One of the stops was Stolt Sea Farm, a huge turbot farm on Costa da Morte, **Northwest Spain**

Fisheries, Aquaculture and Marine Studies work placement – tilapia farm in **Jamaica**

Animal Science, Zoo Biology and Veterinary Nursing Science students enjoyed a study trip to experience turtle conservation in **Costa Rica**

Sparsholt's global network

INDUSTRY EXPERIENCE

Animal Science and Zoo Biology study tour **Berlin**

Animal Science and Zoo Biology study tour **Frankfurt**

Equestrian Science and Performance Management students travelled to **Rome, Italy** for an ISES conference

Fisheries, Aquaculture and Marine Studies students visited **Malta**, touring companies such as AquaBioTech – a company that Sparsholt has sent many interns to!

Fisheries, Aquaculture and Marine Studies students have enjoyed research into ornamental fish welfare in the **Philippines**

Fisheries, Aquaculture and Marine Studies work placement – Coral Cay Conservation in **Fiji**

Animal Science, Zoo Biology and Veterinary Nursing Science students enjoyed a study trip to Shamwari Game Reserve, **South Africa**

Fisheries, Aquaculture and Marine Studies students have enjoyed work placements on salmon farms in **Tasmania** and **New Zealand**

Learn from the experts

EXCELLENT TUTOR TO STUDENT COMMUNICATION

Small class sizes
mean individual attention, because you're more than just a number

Fully supported

At UCS you're not just another student in a lecture theatre. Our small class sizes mean more individual attention to help you succeed and great access to expert lecturers, visiting speakers and links with industry.

Students of all ages will feel at home in our inclusive learning environment. You can access the support you need, when you need it – whether that's from your personal tutor, specialist study support, our wellbeing team, careers team or, for more in-depth support, our counselling service.

We also have a study coach system where senior students have regular timetabled sessions with first years to help and guide them through the first year of study.

Shaping new thinking

Experience the importance and impact research can have. At UCS you can use our extensive facilities to carry out innovative research as part of your course and stand out against the competition when you graduate.

Previous students have published and presented to industry on diverse research projects, such as:

- Flamingos that bump: investigating the social architecture of directed interactions between captive Chilean flamingos
- Evaluating the ability of the Orscana sensor to monitor stabled horse activity
- An investigation into the accumulation of microplastics in different riverbed substrates

Did you know?

Our students won 1st and 2nd place out of 27 poster submissions at the Institute of Fisheries Management (IFM) 50th Anniversary Conference!

Outstanding facilities for innovative research

RELEVANT AND RESPECTED

A THRIVING COMMUNITY

Opportunities on your doorstep

OUR COUNTRYSIDE CAMPUS IS JUST THREE MILES FROM VIBRANT, CULTURAL WINCHESTER AND A SHORT DRIVE TO THE NEW FOREST AND THE COAST

You can live on-site close to facilities, or in University of Winchester accommodation or student houses in this friendly and beautiful city.

Home to historic Winchester Cathedral and the world famous Christmas market and ice rink, Winchester also offers lots of thriving bars and restaurants to cater for all tastes and budgets. Popular city activities include ghost walks, cinema trips and escape rooms!

LOCAL FESTIVALS, EVENTS AND LOCATIONS OF INTEREST

Hampshire is home to many local festivals such as Winchester Hat Fair, Boomtown and Alresford Watercress festival.

Students love exploring attractions like Marwell Zoo, Jane Austen's House Museum, The Bombay Sapphire Distillery and Sir Harold Hillier Gardens alongside beautiful landscapes such as the South Downs and the New Forest.

3 miles from Winchester
– live on-site or in this student-friendly city

Burma Road Halls

EASY TRANSPORT LINKS

Winchester benefits from great transport links via the train to London, Bournemouth and beyond! Don't forget Winchester is also less than 30 minutes away from Southampton Airport.

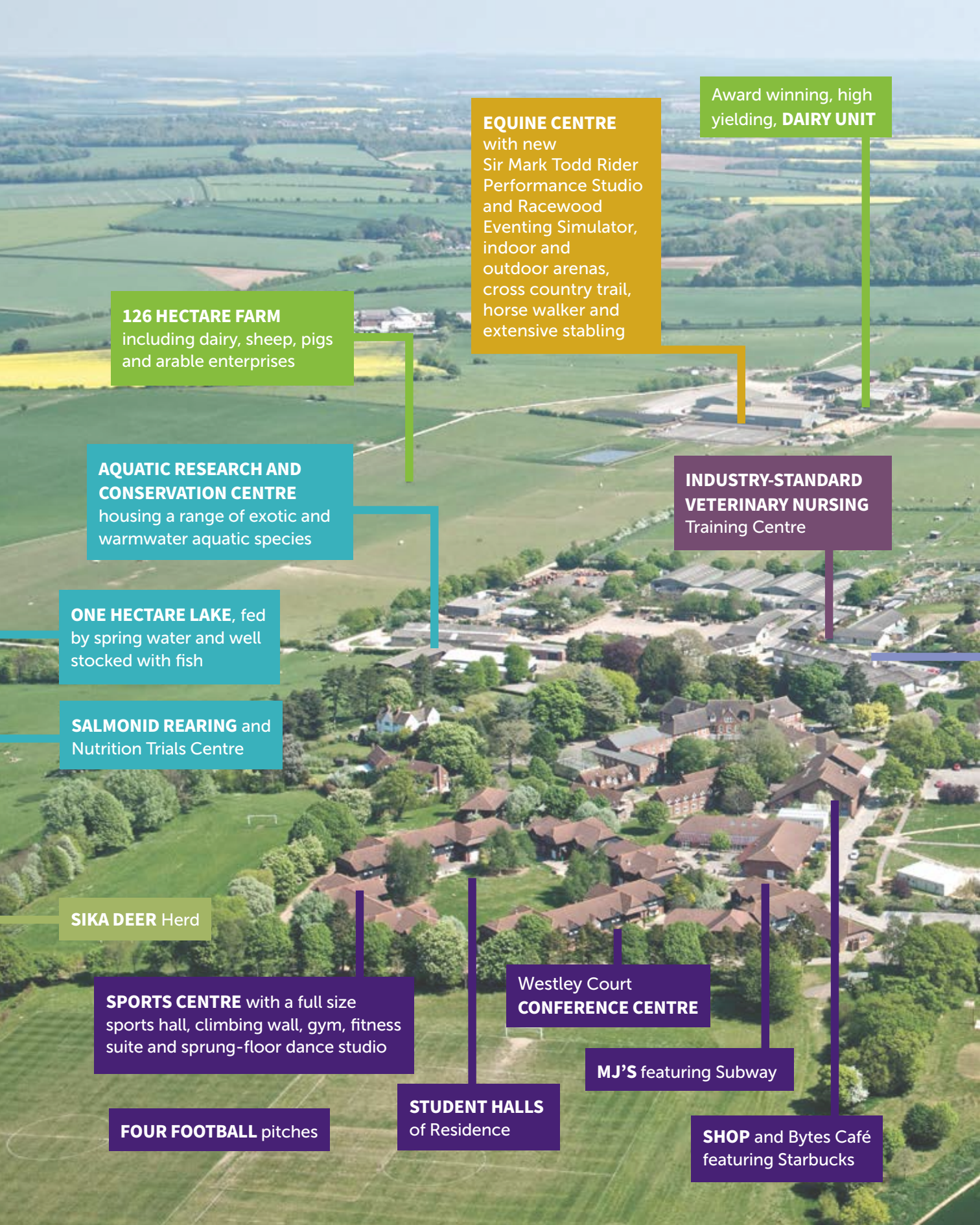
UNIVERSITY OF PORTSMOUTH

All UCS students can also access student clubs and sporting facilities at the University of Portsmouth as well as the library and online resources.

The University of Portsmouth Equestrian Club has even made Sparsholt Equine Centre their official base.

SPARSHOLT HAS A FAMILY FEEL

As part of a close-knit community you can enjoy the convenience of our fully-equipped sports centre, restaurant, bar, café and library. Living in the Burma Road Halls gives more of a city university experience, based in Winchester with full and easy access to the university's facilities.


Award winning, high yielding, **DAIRY UNIT**
EQUINE CENTRE with new Sir Mark Todd Rider Performance Studio and Racewood Eventing Simulator, indoor and outdoor arenas, cross country trail, horse walker and extensive stabling
126 HECTARE FARM including dairy, sheep, pigs and arable enterprises
AQUATIC RESEARCH AND CONSERVATION CENTRE housing a range of exotic and warmwater aquatic species
INDUSTRY-STANDARD VETERINARY NURSING Training Centre
ONE HECTARE LAKE, fed by spring water and well stocked with fish
SALMONID REARING and Nutrition Trials Centre
SIKA DEER Herd
SPORTS CENTRE with a full size sports hall, climbing wall, gym, fitness suite and sprung-floor dance studio
Westley Court **CONFERENCE CENTRE**
MJ'S featuring Subway
STUDENT HALLS of Residence
FOUR FOOTBALL pitches
SHOP and Bytes Café featuring Starbucks

UCS GRADUATES STAND OUT AGAINST THE COMPETITION

– join them!

STEPS TO YOUR FUTURE

1. EXPLORE

Attend one or more of our Open Days to discover our 450-acre campus and its facilities, knowledgeable staff and friendly students!

2. SUBMIT YOUR APPLICATION

You can submit your application via one of the below methods:

FOR FULL-TIME UNDERGRADUATE COURSES (FdSc, BSc and BSc Top-Ups)
Apply through UCAS
online at **www.ucas.com**
Institution code: S34

FOR PART-TIME UNDERGRADUATE COURSES (FdSc , BSc) & ALL POSTGRADUATE COURSES (MSc)
Apply direct at
sparsholt.ac.uk/university-centre

3. WAIT FOR AN OFFER

We hope to offer you a place at University Centre Sparsholt and invite you to attend an Offer Holders' Welcome Day in Spring!

4. MAKE YOUR CHOICE

Once you make us your first choice, you can start planning to join us here at Sparsholt:

- **Apply for Accommodation**
- **Apply for Student Finance and see if you are eligible for additional financial support or bursaries**
- **Chat to your lecturer via email before you arrive**
- **Like us on Facebook or follow us on Instagram and Twitter to see what current students are getting up to!**

5. CONFIRM YOUR PLACE

Sparsholt will confirm your place when we receive your results.

If your results are not as expected – don't panic!

For help and advice, contact our team on: degree-enquiries@sparsholt.ac.uk

6. WE CAN'T WAIT TO MEET YOU!

During welcome week you will receive a welcome pack containing all you need to know about student life at Sparsholt.

SUPPORT WITH NEXT STEPS

Our Careers Team can help with job search, interview preparation or postgraduate study applications. Students progressing directly to a postgraduate course at UCS will also receive a 10% discount on course fees.

My university checklist

USE AT AN OPEN EVENT!

Name			
Decision needed by:		Open Event Date:	
Courses I want to know more about			
Course Title			
Questions to ask			
Course Title			
Questions to ask			

First Impressions	Pluses (+) and Minuses (-)
	+
	-
	+
	-
	+
	-
	+
	-

Conclusion			
What else do I need to find out?			
Decision	**YES** ☐	**NO** ☐	**UNDECIDED** ☐
Next steps:			
•			
•			
•			

Find out more

OPEN EVENTS

Saturday 7 March 2020 10am–2pm

Wednesday 1 April 2020 4–7pm

Thursday 18 June 2020 4–7pm

Thursday 9 July 2020 3–7pm

Saturday 10 October 2020 10am–2pm

Saturday 14 November 2020 10am–2pm

Saturday 6 February 2021 10am–2pm

Saturday 6 March 2021 10am–2pm

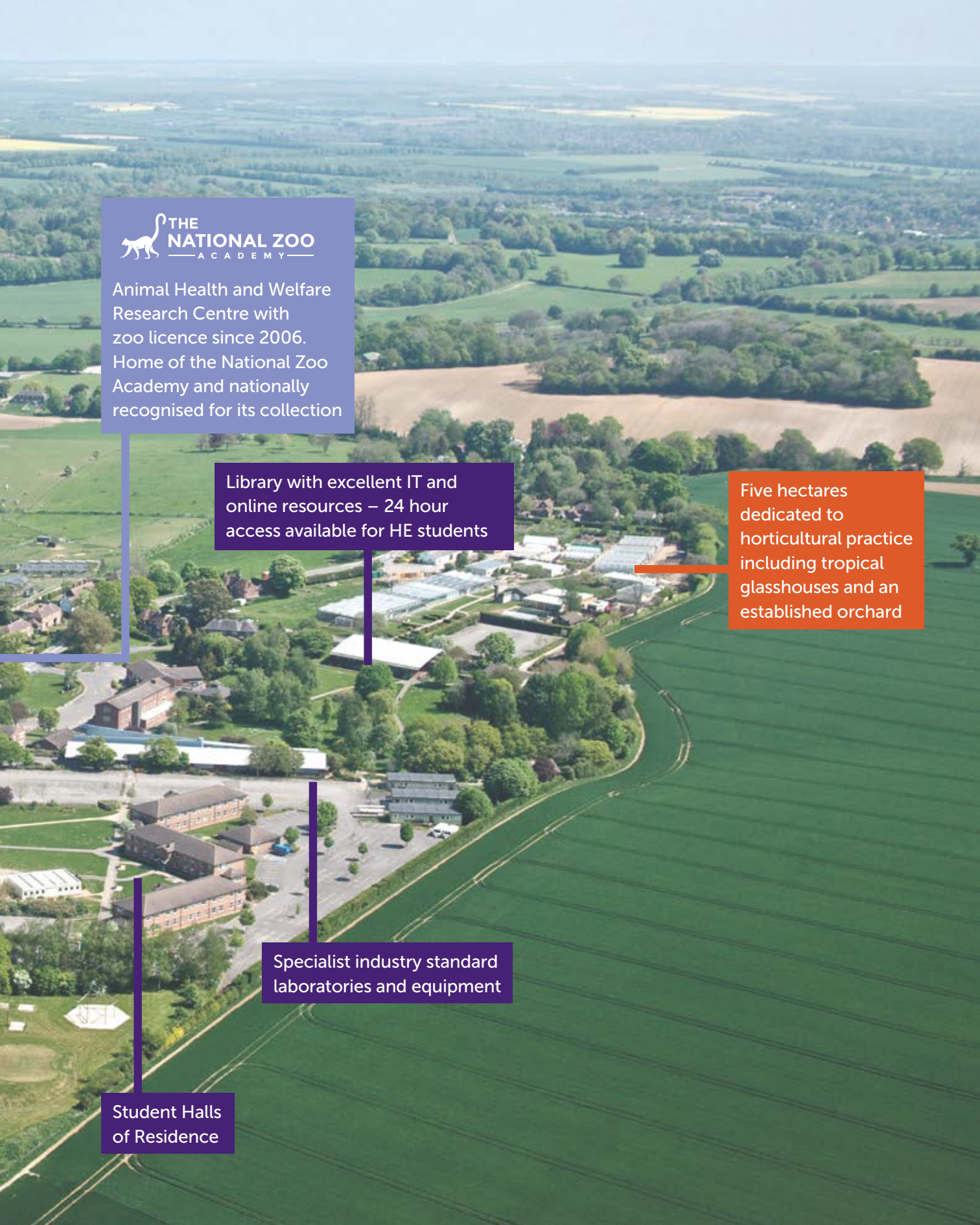
Wednesday 21 April 2021 4–7pm

Thursday 17 June 2021 4–7pm

Thursday 8 July 2021 3-7pm

Experience our campus in the countryside, meet lecturers and students, view facilities and accommodation and ask all your questions about life as a Sparsholt student.

TO BOOK A PLACE VISIT SPARSHOLT.AC.UK/UNIVERSITY-CENTRE


THE NATIONAL ZOO ACADEMY
Animal Health and Welfare Research Centre with zoo licence since 2006. Home of the National Zoo Academy and nationally recognised for its collection
Library with excellent IT and online resources – 24 hour access available for HE students
Five hectares dedicated to horticultural practice including tropical glasshouses and an established orchard
Specialist industry standard laboratories and equipment
Student Halls of Residence

Contents

NEW! Higher Education at our Andover Campus

We offer HNCs (Higher National Certificates) in the following subjects:

- Higher National Certificate in Performing Arts
- Higher National Certificate in Sport & Exercise Science

To find out more, see our website andover.ac.uk, contact **degree-enquiries@sparsholt.ac.uk** or call **01962 797269**.

“I highly recommend the higher education courses at Sparsholt. I never believed I would come as far as I have.”

Lucy

MSc Applied Zoo Biology intern

Access to Higher Education (Land-based studies)

This one-year course prepares adult learners who want to study at degree level but do not currently have the qualifications to apply. This course is specifically designed to give you the foundation skills and knowledge for studying a land-based degree.

> "The transition from the Access course to the degree is really smooth and you feel one step ahead."

79% of students progress to degree studies (2018)

- Excellent preparation for going on to study a land-based degree
- Provides a fast-track route to undergraduate study
- Continuous assessment with no end-of year exams
- Gain important GCSE English or maths alongside this course
- Includes three weeks' work placement

What will I learn?

The course includes elements of chemistry, plant and animal biology and ecology, together with providing the knowledge and support needed to be able to carry out and present a small-scale research project. You will study a range of core subjects and follow some specialist units in either animal studies, equine studies, ecology and conservation, fishery studies or horticulture.

Teaching is delivered through a supportive mix of taught sessions, seminars, tutorials and practical lessons, which will help you build your knowledge and understanding of your chosen specialism, while gaining the ability to research and present your ideas as reports and presentations.

How will I be assessed?

This intensive programme is assessed throughout the course, without final exams. Assessment will include essays, presentations, class assessments and reports – all of which will prepare you for higher education. This course gives you UCAS tariff points for entry to University.

Admissions Terms and Conditions apply – for full details go to **sparsholt.ac.uk/university-centre**

Where can I go from here?

By the end of the course you will be fully prepared to progress on to a range of FdSc or BSc (Hons) degree programmes and take the next step towards your career goals.

Entry requirements

Applications will be assessed on individual merit and whilst no formal qualifications are required, evidence of previous study is essential. Most students will progress to a relevant degree at Sparsholt and you will be supported by your tutors.

You will need to have either English or maths at GCSE (or Level 2 equivalent) and will be offered the opportunity to study the other if required. Most students are aged 19 or above at the start of the course, however entry at 18 may be possible – please contact us for more details.

Advanced Learner Loan

If you are 19 or over you can cover the cost of tuition fees with an Advanced Learner Loan.

Repayments don't begin until you finish the course and are earning at least £25,725.

What's more, if you complete the Access to HE course and then go on to complete a degree you will have your Advanced Learner Loan written off.

Access to Higher Education

NEW!

Agriculture

There is an ongoing demand for innovation in agriculture and Sparsholt has the facilities and industry network to ensure the next generation of farmers make a real impact.

Delivering agricultural programmes since its creation over 100 years ago, facilities include a 126-hectare working farm on campus with dairy, sheep, pigs and arable enterprises, as well as a further 134 hectares at a nearby site, giving students access to an excellent range of learning opportunities.

Sparsholt also has strong industry links. This combination of facilities and opportunities allows students to develop specialisms where there is a great demand for higher level education to enable this next generation to make an impact in farming and agri-tech businesses.

Subject to validation by the University of Portsmouth

FdSc Agriculture
Two years full-time

BSc (Hons) Agriculture
Three years full-time
Top-up: one year full-time

“Having access to modern livestock units and a huge range of machinery make it a great place to learn the practical and scientific sides to agriculture.”

I chose Agriculture at Sparsholt as I was very keen to learn about new sectors within the industry and develop my practical skills. I really enjoyed working with the pig, dairy and youngstock units, putting what we had been learning into practice, as well as lab work in animal science and animal nutrition.

Sparsholt has prepared me well for the workplace or University – the industry links have been really useful. After my Level 3 course I was granted the Rich Wigram New Zealand Farming Scholarship to go and work for a year on a 600 cow dairy herd in the South Island. Sparsholt has helped me to become more confident, and really encouraged me to learn as much as possible within agriculture.

Sarah

Dairy Farm Worker

Employability and industry links

Agriculture and food production has never been more vital, and Sparsholt has the facilities and industry network to make a real impact. The subject content in both courses aims to give a solid foundation in the green sector, producing the food and managing the land in an innovative and sustainable way. Importantly, the theoretical subject knowledge is combined with skills and topical knowledge demanded by the needs of the industry.

The first year will provide the foundation science of agriculture, focusing on the life cycle and important balance between crops and animals for a sustainable environment. A module of Academic Skills introduces students to managing academic work for subsequent years of study and in working life, and the year finishes with a supervised and assessed work placement.

The second year will develop the skills and knowledge required for employment in the agricultural industry, with research, data collection and industry engagement all fundamental.

The third year will allow depth and time spent on a research project that will be the dissertation. This will combine skills in data collection, statistics and subject knowledge together with critical thinking to present a report on a topical subject. It can be done in conjunction with an agricultural company, institute or departmental legal body in the agricultural sector. The year is focussed on developing a range of wider skills and knowledge required in the modern dynamic agricultural sector and will include business diversification, marketing and sustainable agricultural systems for a global market.

We work with organisations such as:

- Barfoots of Botley
- Leckford Estate (John Lewis Partnership)
- Vitacress Salads
- Savills Land Agents
- Natural England
- As well as local farmers and the National Farmers' Union
- Farming & Wildlife Advisory Group (FWAG)

Find out more about the learning environment at UCS on page 13

Join the experts

Dr Claire Cresswell

PhD, MSc, BSc (Hons)

- Specialist research interests include agricultural ecology, plant-invertebrate interactions, water quality protection, avian behavioural ecology and monitoring
- Holds a BSc (Hons) in Animal Science and an MSc in Wildlife Management and Conservation from University of Reading
- PhD from Harper Adams University investigated the role of multifunctional field margin vegetative strips for the support of ecosystem services
- Licensed and active BTO bird ringer

Abby Parsons

PGCE, BSc (Hons)

- Areas of teaching expertise include freshwater ecology and management, agriculture and the environment, resource management
- Holds a BSc (Hons) in Earth Sciences from University of Plymouth
- Previous teaching experience on Agriculture and Rural Environmental Management Degree programmes
- Worked within environmental consultancy and as a farm advisor

Dr Steve Field

PhD, BSc (Hons), HND

- Worked extensively throughout all areas of the farming industry including managing a 200 head Holstein dairy farm on a 6 week calving pattern
- Managed a sheep flock and pig herd in Northern Scotland alongside an agricultural/ HGV engineering workshop
- Holds a BSc (Hons) in Agriculture specialising in Farm Animal Science from The University of Reading
- PhD from The University of Reading investigating the effects of gender and nutritional regime on the development of profitable beef systems
- Areas of teaching expertise; farm machinery, crop and soil science, animal science, health and nutrition, business and marketing

Facilities

PRACTICAL OPPORTUNITIES ON YOUR DOORSTEP

Facilities include a 126-hectare working farm on campus with dairy, sheep, pigs and arable enterprises, as well as a further 134 hectares at a nearby site, giving students access to an excellent range of learning opportunities.

Dairy Unit with award-winning Holstein herd.

Sheep Unit which is used to demonstrate good husbandry and management practice – the flock is lambed early and indoors to provide opportunities for student involvement.

ARABLE PROFILE WHICH PROVIDES FOR THE NEEDS OF THE LIVESTOCK ENTERPRISES

Further land off-site provides additional forage supplies, arable cropping for income generation and enhanced fieldwork opportunities for students.

Specialist workshops for machinery and tractor repairs.

FOUR MAIN SOIL SERIES

Purpose-built Pig Unit which is a member of RSPCA Freedom Food and Farm Assured British Pigs.

Conservation management plan and countryside stewardship schemes.

FdSc (Foundation Degree)

NEW!

Agriculture

Duration:
Two years
full-time

UCAS Code:
D401

Tutor:
Dr Claire Cresswell
PhD, MSc,
BSc (Hons)

Apply essential science, research and academic skills to the agricultural industry

- Designed to meet industry needs for strong agri-tech skills
- Benefit from work placements in both years
- Gain a strong grounding in year one and specialise in year two with optional modules

What will I learn?

The programme is designed to build your subject knowledge as the course progresses and explores topics in greater depth.

A combination of industrial placements in each year, annual residential field trips, visiting speakers and specialist lectures will maximise your industry exposure.

Start to specialise with optional modules in one of three pathways – crops, livestock or general agriculture.

Subject to validation by:

UNIVERSITY OF PORTSMOUTH

TEF Gold Teaching Excellence Framework

How will I be assessed?

Final and in-session assessment will allow you to develop research and study skills as well as technical and expert knowledge.

Assessments include written assignments, presentations, project and lab reports, practical based and online portfolios and examinations.

Where can I go from here?

You can continue your studies with our BSc (Hons) Top-up programme, or enter industry. Graduates could use their skills to start a business or to work in agriculture.

Modules covered

LEVEL 4

- Academic Skills
- Industrial Experience
- Plant and Soil Science
- Agricultural Mechanisation
- Livestock Production
- Crop Production

LEVEL 5

- Industrial Development
- Statistics and Research Methods
- Agricultural Policies and Legislation
- Farm Business Management
- Farm Environment and Wildlife
- Agronomy (optional)
- Livestock Breeding Welfare and Nutrition (optional)
- Field Scale Vegetable and Salad Production (optional)
- Dairy Production Systems (optional)

Entry requirements

A Level

Two A Level passes, including one at grade C or above, one of which should be in a science

BTEC National Ext. Diploma

MMP

City & Guilds Advanced Technical Ext. Diploma (1080)

MMP

BTEC National Diploma

MM

City & Guilds Advanced Technical Ext. Diploma (720)

MM

Access to HE

A satisfactory pass in a relevant Access course with 45 credits at Level 3 with science units at merit

International Baccalaureate

Appropriate IB certificates considered

Plus GCSE maths and English at grade 4/C or above, or Level 2 Functional Skills in maths and English

>> BSc (Hons)

NEW!

Agriculture

Duration:
Three years full-time

One year BSc Top-up also available

UCAS Code:
D400

Tutor:
Dr Claire Cresswell PhD, MSc, BSc (Hons)

A specialist pathway into farming and agri-tech business

- Join an established provider with an excellent reputation and industry links
- Learn from a fully operational commercial farm demonstrating best practice in agricultural husbandry
- Enjoy the opportunity to specialise in one of three pathways

What will I learn?

Developed with industry leaders, this new programme will ensure you have a strong foundation in Agriculture, as well as specialist knowledge in your chosen pathway – crops, livestock or general agriculture. The specialist course content is outward looking to investigate the opportunities, constraints and influences on the agricultural industry more globally, as well as giving an understanding of marketing methods and diversification opportunities to create a robust business. Essential science, industry experience and academic skills will also boost your employability.

Each year will include an assessed three-week work placement as well as a residential field trip to gain even more industry insight.

How will I be assessed?

Final and in-session assessments feature in this programme, allowing you to develop research and study skills as well as technical and expert knowledge. Assessments include completion of a research dissertation, written assignments, presentations, project and lab reports, practical based and online portfolios and examinations.

Subject to validation by:

UNIVERSITY OF PORTSMOUTH

TEF Gold Teaching Excellence Framework

Where can I go from here?

You can progress on to postgraduate study, gain employment with agricultural organisations or use your skills to run your own business.

Modules covered

LEVEL 4

- Academic Skills
- Industrial Experience
- Plant and Soil Science
- Agricultural Mechanisation
- Livestock Production
- Crop Production

LEVEL 5

- Industrial Development
- Statistics and Research Methods
- Agricultural Policies and Legislation
- Farm Business Management
- Farm Environment and Wildlife
- Agronomy (optional)
- Livestock Breeding Welfare and Nutrition (optional)
- Field Scale Vegetable and Salad Production (optional)
- Dairy Production Systems (optional)

LEVEL 6

- Dissertation
- Marketing
- Agricultural Planning and Diversification
- Sustainable Agricultural Systems
- Global Agricultural Production and Markets
- Further Statistics
- Professional Industrial Development

Entry requirements

A Level

Three A Level passes, including two at grade C or above one of which should be in a science

BTEC National Ext. Diploma

DMM

City & Guilds Advanced Technical Ext. Diploma (1080)

DMM

BTEC National Diploma

N/A

City & Guilds Advanced Technical Ext. Diploma (720)

N/A

Access to HE

A merit profile in a relevant Access course with 45 credits at Level 3, with Science units at merit

International Baccalaureate

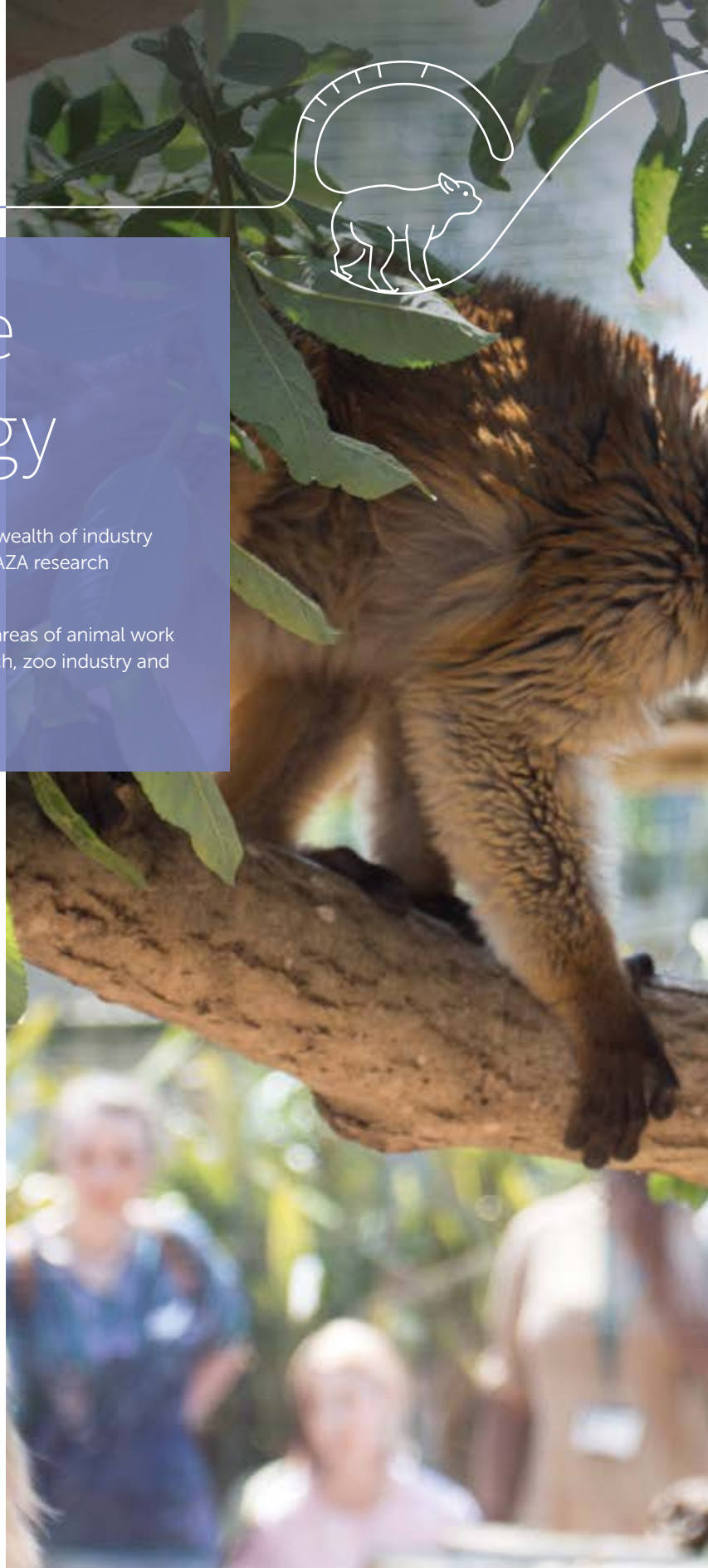
24 points with HL science at 4/C

Plus GCSE maths and English at grade 4/C or above, or Level 2 Functional Skills in maths and English

Animal Science and Zoo Biology

As a UCS student you will benefit from lecturers with a wealth of industry experience that comes from working with BIAZA and EAZA research committees/working groups and a wide range of zoos.

Our teaching staff have experience and expertise in all areas of animal work including veterinary nursing, health and welfare, research, zoo industry and husbandry and animal behaviour and training.



FdSc Animal Management and Applied Science
Two years full-time

FdSc Applied Zoo Science
Two years full-time

BSc (Hons) Applied Animal Science
Three years full-time
Top-up: one year full-time

BSc (Hons) Applied Animal Behaviour Top-up
Two years part-time

BSc (Hons) Zoo Biology Top-up
One year full-time

MSc Applied Zoo Biology
One year full-time or 18 months full-time with industry research project
Two years distance learning

THE NATIONAL ZOO ACADEMY

The National Zoo Academy represents the gold standard for anyone aspiring to enter, already employed or wanting to develop their skills in the zoo industry. Sparsholt is unique in the British Isles in offering the Diploma in the Management of Zoo and Aquarium Animals (DMZAA) as well as its post-16 and degree courses. The DMZAA is the only official qualification for zookeepers and is considered essential for anyone in the zookeeping profession throughout the British Isles and Europe.

THE NATIONAL ZOO ACADEMY

FURTHER £2MILLION INVESTMENT IN ANIMAL HEALTH AND WELFARE FACILITIES FOR SEPTEMBER 2020

The Phase 4 development of our leading edge applied animal teaching facilities, 'The Animal Health and Welfare Research Centre', will add to the range of techniques, skills and industry know-how of our students.

The National Zoo Academy already includes a licensed zoo housing a collection of over 1,200 animals from 200 species to support our numerous programmes up to Master's degree level as well as supporting the improvement of animal welfare and promoting conservation. This significant further investment supported by the EM3 Local Enterprise Partnership and The University of Surrey, School of Veterinary Medicine will incorporate state-of-the-art digital technology including advanced welfare practices such as biomechanical analysis and animal rehabilitation therapies.

“It was a no-brainer when considering where I wanted to take my education further – it had to be Sparsholt.”

I've always been a Sparsholt student – first a Diploma in Horse Management, then a BSc in Equine Science, before switching it all up with MSc Applied Zoo Biology. It was a no-brainer when considering where I wanted to take my education further – it had to be Sparsholt. The campus is absolutely stunning, the facilities and lecturers are brilliant and it is so positively recognised in the industry.

I was concerned that I was going to struggle as I had a three-year gap from education and I previously studied only horses! However, all the staff were very supportive, so the transition was much easier than expected.

We have had so many trips to different collections, where we've learnt data collection skills. We've even had a special behind the scenes tour at the Natural History Museum at Tring, where we saw the genuine specimens that Charles Darwin brought back from the Galapagos.

One of the best parts was the opportunity to apply for an Internship at Cotswold Wildlife Park and Gardens. I spent six months as their Large Mammal Intern, which was a fantastic opportunity.

I have just been offered a trainee keeper position at WWT Arundel! Sparsholt has given me multiple opportunities to develop my skills and forge industry relationships and I would love to progress to a PhD one day.

Bernadette

Trainee Keeper

Employability and industry links

Our staff and graduates are highly regarded by industry. The lecturers' experience, knowledge and industry links can give you the head start you need.

We are a full member of the British and Irish Association of Zoos and Aquariums (BIAZA) and work closely with them. We also work with the European Association of Zoos and Aquaria (EAZA) on an Erasmus+ funded project to define a competence framework for zoo keepers.

Our tutors bring their expertise to your learning from their work with world-leading zoos and nationally-recognised organisations. They also advise research committees, welfare groups and awarding bodies within the industry. We have strong links with a range of wildlife, conservation and commercial organisations, allowing you to access work placements and to carry out industry-relevant research that can feed into your career.

Our impressive industry links include:

- The Royal College of Veterinary Surgeons (RCVS)
- Leading UK zoos such as: The Zoological Society of London (London and Whipsnade Zoos); the Living Rainforest; Bristol Zoo; Chester Zoo; Dudley Zoo; Blackpool Zoo; Woburn Safari Park; the Royal Zoological Society of Scotland; Cotswold Wildlife Park and Gardens and the Aspinall Foundation (Howletts and Port Lympne Wild Animal Parks)
- The British and Irish Association of Zoos and Aquariums (BIAZA)
- Natural England
- Association for the Study of Animal Behaviour (ASAB)
- Association of British and Irish Wild Animal Keepers (ABWAK)
- University of Surrey Veterinary Department
- RSPCA
- People's Trust for Endangered Species (PTES)

Find out more about the research opportunities at UCS on page 14

Join the experts

Dr Paul Rose

PhD, MSc, PGCLT, ARCS, MIfL, SFHEA

- PhD study in the social organisation of captive wild animals
- Research into the social organisation of giraffe and flamingos in a zoo environment
- Investigating the group dynamics of the flamingo flocks at the Wildfowl & Wetlands Trust (WWT) Slimbridge
- Member: IUCN Giraffe & Okapi Specialist Group; Giraffe Conservation Foundation; IUCN Flamingo Specialist Group
- Vice-chair of BIAZA research committee; research liaison officer, BIAZA Bird Working Group

Follow Paul on Twitter: **@pauledwardrose**

Kerry Hunt

MSc, BSc (Hons), DTLLS, FHEA

- Zoologist with an MSc in Animal Behaviour, University of Exeter
- MSc dissertation research on impact of environment enrichment on a herd of Rothschild's giraffe
- BSc (Hons), University of Wales, Aberystwyth – researched pre-roosting aggregation behaviour of European starlings
- Specific interest in zoo animal nutrition and behaviour, has supervised many student projects on these topics
- Research advisor to EAZA's Canid and Hyaenid Taxon Advisory Group
- Undertaking a long-term research project on aardvark and xenarthra in captivity

Follow Kerry on Twitter: **@Kerry43107425**

Dr Marianne Freeman

PhD, MSci, MRSB

- PhD, Queens University Belfast – development of camera trap methodology in monitoring deer distribution and abundance
- MSci Zoology, University of Glasgow – researched environmental and social influences on enclosure use and behaviour of zoo housed primates
- Former tertiary education officer for the Royal Zoological Society of Scotland
- Education and grants committee member for the British Ecological Society

Abigail Newman

MRes, PGCE, BSc (Hons), FHEA

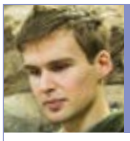
- MRes in Equestrian Performance
- Research into factors influencing the success of embryo transfer in horses
- Worked as a groom and foaling assistant at a large racing stud
- Teaches a range of research and science based modules

RESEARCH

You will be encouraged to undertake challenging and innovative research as part of your course.

This will make you stand out against the competition when you graduate. Previous students have published and presented to industry on diverse research projects, such as:

- What is the impact of animal therapy for people and animals
- Investigating the social behaviour of wolves (*Canis lupus*)
- Does enrichment effect the enclosure use and behaviour of zoo-housed rhea (*Rhea americana*)?
- Factors influencing choice of feeding site for UK bird species
- What do visitors think about carcass feeding for zoo animals?



James Brereton

MSc, BSc (Hons), CET, AET, FHEA

- Masters' in Wild Animal Biology
- Lecturer in Zoo Biology and Animal Management
- Experience in a range of UK zoo collections
- Applied Animal Science Typesetter for the Journal of Zoo and Aquarium Research
- Supervised projects in nutrition, behavioural research and enclosure design for zoo-housed birds, reptiles and amphibians

Helen Jarratt

PGDip, BSc (Hons), CCAB

- BSc (Hons) Physiology and Psychology
- Postgraduate Diploma in Companion Animal Behaviour Counselling
- Certified Clinical Animal Behaviourist
- Owns The Behaviour Clinic providing behavioural advice and modification for companion animals, mainly dogs
- Full member of Association of Pet Behaviour Counsellors; Association of Pet Dog Trainers

Facilities

ANIMAL HEALTH AND WELFARE RESEARCH CENTRE – FURTHER £2MILLION INVESTMENT FOR SEPTEMBER 2020

The Phase 4 development of our leading edge applied animal teaching facilities, 'The Animal Health and Welfare Research Centre', will add to the range of techniques, skills and industry know-how of our students.

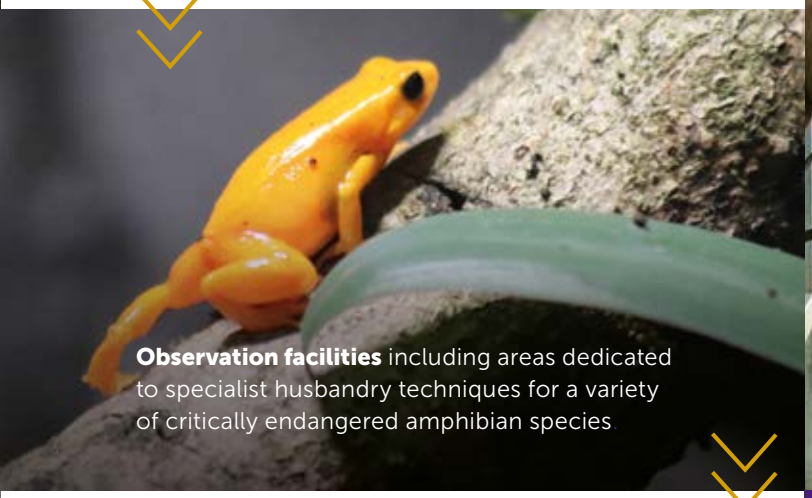
RESEARCH

Use our extensive facilities to carry out innovative research as part of your course.

Both undergraduate and postgraduate students are currently working on a wide range of industry-led research projects including behavioural studies, multi-collection dietary analysis, zoo education impact studies and welfare research.

The National Zoo Academy licensed zoo with over **1,200 animals** from **200 species**.

Exotic species including a **red panda breeding pair**, **meerkats**, **West African dwarf crocodile** and **black lemurs**.



Observation facilities including areas dedicated to specialist husbandry techniques for a variety of critically endangered amphibian species.

A wide variety of paddock-based species including **wallaby** and **alpacas**, **llamas**, **mara** and **zebu**.

A wide variety of bird species contributing to international breeding programmes.

ON-CAMPUS EQUINE CENTRE

Access to the equine centre and Sir Mark Todd Rider Performance Studio – see full details on page 60.

ON-CAMPUS FARM

- Access to a range of commercial farm animal units
- Beef, sheep, pig and dairy facilities
- Parkland sika deer herd

Top specification **commercial kennel** and **cattery facilities**.

FdSc (Foundation Degree)

Animal Management and Applied Science

Duration:
Two years full-time

UCAS Code:
D329

Tutor:
Abigail Newman MRes, BSc (Hons), PGCE, FHEA

Learn from 200 diverse domestic, livestock and exotic species

- Designed to provide students with the theoretical knowledge and practical skills required within industry
- Utilise a range of research, practical and laboratory skills to apply theoretical knowledge to real world situations
- Benefit from a diverse and exciting collection of animals across our Animal Health and Welfare Research Centre

What will I learn?

The course is designed to combine knowledge and research techniques in aspects of animal welfare and behaviour, the animal industry and wildlife management.

Work placements are a key feature and benefit from the University Centre's strong links with a variety of relevant organisations. We offer optional overseas study tours including the Shamwari conservation experience in South Africa and working in turtle conservation in Costa Rica.

Students have also undertaken work placements with the RSPCA, HART wildlife, kennels and cattery, a range of veterinary practices, bird of prey centres including the Hawk Conservancy Trust, and also placements at several local farms and zoological collections.

In the final year you will undertake a research project using the domestic, livestock and zoo animals in our collection in conjunction with industry links. Prior projects have worked with Pet Remedy, Vitacress and ORA.

Validated by:

UNIVERSITY OF PORTSMOUTH

TEF Gold Teaching Excellence Framework

How will I be assessed?

Much of the assessment is coursework based – essays, reports, practical portfolios and seminar presentations. Practical activities, in-class assessments and a limited number of exams also play a part.

Where can I go from here?

You can progress onto the BSc (Hons) Applied Animal Behaviour, BSc (Hons) Applied Animal Science, BSc (Hons) Zoo Biology Top-up and potentially MSc Applied Zoo Biology programmes at University Centre Sparsholt or other organisations.

Sparsholt graduates now work in a range of industries such as animal charities, veterinary practices and zoological collections.

Modules covered

LEVEL 4

- Animal Management A
- Principles of Biology
- Anatomy and Physiology
- Industrial Experience
- Academic Skills
- Analytical Techniques
- Human Animal Interaction

LEVEL 5

- Population Biology
- Applied Industrial Research
- Industrial Development
- Ethology and Ethics
- Animal Health
- Animal Management B
- Nutrition

Entry requirements

A Level

Two A Level passes including one at grade C or above in a life science

BTEC National Ext. Diploma

MMP

City & Guilds Advanced Technical Ext. Diploma (1080)

MMP in an appropriate pathway

BTEC National Diploma

MM

City & Guilds Advanced Technical Ext. Diploma (720)

MM in an appropriate pathway

Access to HE

A satisfactory pass in a relevant Access course with 45 credits at Level 3 with science units at merit

International Baccalaureate

Appropriate IB certificates considered

Plus GCSE maths and English at grade 4/C or above, or Level 2 Functional Skills in maths and English

FdSc (Foundation Degree)

Applied Zoo Science

Duration:
Two years
full-time

UCAS Code:
CD34

Tutor:
James Brereton
MSc, BSc (Hons),
CET, AET, FHEA

Explore zoo culture and research in the National Zoo Academy

- Benefit from working with expert lecturers and a diverse and exciting collection of animals in our BIAZA-member centre
- Extensive industry contacts and development of employability skills
- A focus on zoo culture, promotion of natural environments and behaviours to support conservation and meet the growing awareness of the needs of exotic species collections, taught by industry experts

What will I learn?

You will develop research techniques in aspects of zoo animal welfare, behaviour and population management and consider the wider roles of the modern zoo in conservation and education.

Students undertake a work placement in each year of the programme and will attend a residential study programme at one of the UK's leading research-based zoo collections.

You will have the opportunity to develop your academic research through the Year 2 module on Applied Industrial Research, collecting data on an exotic animal project of your choice.

Validated by:

UNIVERSITY OF PORTSMOUTH

TEF Gold Teaching Excellence Framework

How will I be assessed?

Much of the assessment is coursework based – essays, reports, practical portfolios and seminar presentations. Practical activities, in-class assessments and a limited number of exams also play a part.

Where can I go from here?

This programme will provide progression to BSc (Hons) Zoo Biology Top-up and potentially onto MSc Applied Zoo Biology. Sparsholt graduates now work in a variety of roles in the zoo and conservation sectors including keeper, nutritionist, veterinary nursing, education, media and marketing.

Modules covered

LEVEL 4

- Academic Skills
- Anatomy and Physiology
- Principles in Biology
- Industrial Experience
- Exotic Animal Management
- Zoo History and Culture

LEVEL 5

- Animal Health
- Applied Industrial Research
- Population Biology
- Industrial Development
- Zoo Industry Ethics and Legislation
- Zoo Animal Nutrition
- Exotic Animal Behaviour, Welfare and Husbandry

Entry requirements

A Level

Two A Level passes including one at grade C or above in a life science

BTEC National Ext. Diploma

MMP

City & Guilds Advanced Technical Ext. Diploma (1080)

MMP in an appropriate pathway

BTEC National Diploma

MM

City & Guilds Advanced Technical Ext. Diploma (720)

MM in an appropriate pathway

Access to HE

A satisfactory pass in a relevant Access course with 45 credits at Level 3 with science units at merit

International Baccalaureate

Appropriate IB certificates considered

Plus GCSE maths and English at grade 4/C or above, or Level 2 Functional Skills in maths and English

>> BSc (Hons)

Applied Animal Science

Duration:
Three years full-time
One year BSc Top-up also available

UCAS Code:
Full-time D320
Top-up D328

Tutor:
Dr Marianne Freeman
PhD, MSci, MRSB

Science, research and a wide array of career connections

- Benefit from a diverse and exciting collection of animals across our Animal Health and Welfare Research Centre, BIAZA member collection and Aquatic Research Conservation Centre
- Develop strong scientific knowledge on a range of vertebrate species with focus on physiology, behaviour, welfare and husbandry
- Build vital experience through practical handling skills, extensive work placements and strong links with industry

What will I learn?

The course is designed to combine knowledge and research techniques in aspects of animal welfare and behaviour, the animal industry and wildlife management. Work placements are a key feature and benefit from the University Centre's strong links with a variety of relevant organisations. We offer optional overseas study tours including the Shamwari conservation experience in South Africa and working in turtle conservation in Costa Rica. Students have also undertaken work placement or dissertation data collection with the RSPCA, HART wildlife, kennels and cattery, a range of veterinary practices, bird of prey centres including the Hawk Conservancy Trust, and also placements at several local farms and zoological collections.

Validated by:

UNIVERSITY OF PORTSMOUTH

TEF Gold Teaching Excellence Framework

How will I be assessed?

Assessment is via a range of coursework including practical portfolios, laboratory reports, seminars and essays, some modules also include an end of year examination.

In the final year of the course, utilising techniques developed throughout the course, you will design and conduct your own dissertation study. Previous students have had their research from this published in academic journals, industry magazines or presented at conferences.

Where can I go from here?

You can progress to the MSc in Applied Zoo Biology at University Centre Sparsholt; alternatively there are many MSc and PhD programmes available at other universities. Sparsholt graduates now work in zoological collections, animal charities and in conservation both in the UK and overseas.

Modules covered

LEVEL 4

- Animal Management A
- Analytical Techniques
- Human Animal Interaction
- Principles of Biology
- Industrial Experience
- Academic Skills
- Anatomy and Physiology

LEVEL 5

- Population Biology
- Statistics and Research Methods
- Nutrition
- Ethology and Ethics
- Industrial Development
- Animal Management B
- Animal Health

LEVEL 6

- Dissertation
- Further Statistics
- Applied Animal Behaviour and Welfare
- Applied Animal Health
- Species Manipulation and Monitoring
- Professional Industrial Development
- Animal Industry and Trade

Entry requirements

A Level

Three A Level passes including two at grade C or above; one grade C should be in a life science

BTEC National Ext. Diploma

DMM

City & Guilds Advanced Technical Ext. Diploma (1080)

DMM in an appropriate pathway

BTEC National Diploma

N/A

City & Guilds Advanced Technical Ext. Diploma (720)

N/A

Access to HE

A merit profile in a relevant Access course with 45 credits at Level 3 with science units at merit

International Baccalaureate

25 points with HL Biology at 4

Plus GCSE maths and English at grade 4/C or above, or Level 2 Functional Skills in maths and English

>> BSc (Hons)

Applied Animal Behaviour Top-up

Duration:
Two years part-time via virtual learning environment supported with several campus-based block weeks

How to apply:
Apply direct on our website

Tutor:
Kerry Hunt
MSc, BSc (Hons), DTLLS, FHEA

Validated by:

UNIVERSITY OF PORTSMOUTH

TEF Gold Teaching Excellence Framework

A flexible way to develop expertise in animal behaviour science

- Gain the knowledge needed to become a Certified Clinical Animal Behaviourist, as this course can be used towards accreditation with the Association for the Study of Animal Behaviour (ASAB)
- Combine study and work with this flexible, part-time course
- Develop expertise through an extended animal behaviour dissertation project

What will I learn?

This course covers a wide range of topics related to animal behaviour. You will study human and animal psychology, consider how physiology impacts on behaviour and develop links between legislation and ethics.

Using an evidence-based approach the evolving relationship between humans and animals is explored in detail including application to developing training techniques.

Utilising techniques developed throughout the course you will design and conduct your own behavioural dissertation study. Previous students have conducted research on:

'If dog behaviour should be part of the national curriculum'

'A comparison of behaviour elimination problems in pedigree and non-pedigree domestic cats'

'The ability of dogs to respond correctly to verbal cues given by an audio/treat dispensing device'

'Impact of owner attachment on dog behaviour and training'

'Factors influencing presence of songbirds at selected sites in the UK'

'What impacts on the likelihood of pet owners seeking advice from a behaviourist?'

How will I be assessed?

You will showcase your knowledge through a combination of written assignments, case studies, seminar presentations and exams. At Level 6 the dissertation module will prove your skills within the field of research and we encourage students to present this work to other organisations.

Where can I go from here?

The course works towards the knowledge elements that are required for certification as a Clinical Animal Behaviourist as identified by the Association for the Study of Animal Behaviour and the Animal Behaviour and Training Council. You can also continue your studies to MSc and PhD level.

Sparsholt students have developed their own businesses focused on behavioural consultations for a range of species including dogs, cats and horses. Others work in the veterinary industry. Several students have progressed on to postgraduate study, one continuing and developing her dissertation project into a PhD.

Modules covered

LEVEL 6

Year one

- Animal Communication, Learning and Training
- Ethology, Domestication and Anthrozoology
- Mechanisms of Behaviour
- Ethics, Welfare and Law

Year two

- Human Psychology and Clinical Practice
- Dissertation and Data Analysis

Attendance requirements

The BSc (Hons) Applied Animal Behaviour Top-up degree is provided via our virtual learning platform LEDGE, which is supported by six block weeks at the UCS campus.

Students are required to attend four UCS-based block weeks in Year 1 and two UCS-based block weeks in Year 2.

A couple of additional days per year are also required for activities like examinations. Dates of these will be given well in advance.

Entry requirements

HND or Foundation Degree

Diploma of Higher Education
in a suitable subject

FdSc Level 5
Veterinary Nursing

Recognition of Prior Learning Portfolio

>> BSc (Hons)

Zoo Biology Top-up

Duration:
One year
full-time

UCAS Code:
C300

Tutor:
James Brereton
MSc, BSc (Hons),
CET, AET, FHEA

Specialise in our industry-standard environment

- Benefit from a diverse and exciting collection of animals in our BIAZA-member centre
- Develop expertise, data analysis and research skills and use them in your dissertation project
- Be taught by leading industry experts

What will I learn?

Building on a strong science foundation, the course will take your knowledge of zoo management to the next level within an industry-standard environment. You will develop research techniques in aspects of zoo animal welfare, behaviour and population management, as well as considering the wider roles of the modern zoo such as visitor learning.

The course promotes the idea of evidence based husbandry as a fundamental feature of contemporary zoo biology and combines practical research skills, husbandry techniques and vital management skills. There is also a strong data analysis theme to prepare you for and support you in your dissertation research. Current studies include:

- Nocturnal behaviour of aardvarks
- Visitor effects on zoo-housed black lemurs and wallabies
- Social media output of animal collections
- Enclosure use of Egyptian tortoises and uromastyx lizards

Validated by:

UNIVERSITY OF PORTSMOUTH

TEF Gold Teaching Excellence Framework

How will I be assessed?

Assessment is primarily coursework based, comprising practical portfolios, case studies, seminars, reports and essays. This is supplemented in some units by an exam.

Where can I go from here?

You can progress to the MSc in Applied Zoo Biology at University Centre Sparsholt; alternatively there are many MSc and PhD programmes available at other universities.

Sparsholt graduates now work in a variety of roles in the zoo and conservation sectors, while others have continued in education to postgraduate level. Zoo Biology graduates have also had the opportunity to present their dissertation findings at the BIAZA Research Conference and the EAZA Nutrition Conference.

Modules covered

LEVEL 6

- Dissertation
- Further Statistics
- Professional Industrial Development
- Applied Zoo Animal Behaviour
- Conservation Biology
- Wild Animal Veterinary Science
- Conservation Education

Entry requirements

FdSc or HND

in Animal Management, Animal Science or related subject

> “The Animal Health and Welfare Research Centre is a superb facility to develop practical skills, with species to suit everyone’s interests.”

Find out more

Find out more about the research opportunities at UCS on page 14

» MSc

Applied Zoo Biology

Duration:
One year full-time, 18 months with an internship and industry research project, or two years part-time distance learning

How to apply:
Apply direct on our website

Tutor:
Kerry Hunt
MSc, BSc (Hons), DTLLS, FHEA

Validated by:

UNIVERSITY OF PORTSMOUTH

TEF Gold Teaching Excellence Framework

Take your knowledge of zoo biology to the next level

- Taught by industry experts who are research active and have strong national and international links
- Benefit from a diverse and exciting collection of animals in our BIAZA-member centre
- Possibility to undertake a six month industry placement and research project

What will I learn?

Building on your undergraduate knowledge, the course is designed to expand your knowledge of zoo animal biology and refine your research techniques in aspects of zoo animal welfare, behaviour, population management and the wider roles of the modern zoo such as visitor learning.

In addition to traditional lectures and seminars, units are delivered using the practical resources of our Animal Health and Welfare Research Centre, industry specific software and databases, conference attendance, guest speakers and off-site visits. Links are encouraged to external organisations, commercial companies and collaborative research projects. Previous students' dissertations have been presented at the BIAZA, EAZA and Association for the Study of Animal Behaviour research conferences.

Each year there is an opportunity for some students to undertake a six month industry placement at the Cotswold Wildlife Park where they will gain valuable practical industry experience while conducting an industry-endorsed research project.

How will I be assessed?

Units are assessed by a mix of coursework, practical assessments, exams, case studies and project work. Emphasis is placed on the development of critical evaluation and research skills with the use of formative assessments throughout the programme of study.

Where can I go from here?

Career pathways include zoo or conservation research, environmental education or zoo management. Alternatively you may choose to study a doctorate or a career in lecturing.

Modules covered

RESEARCH PROJECTS AND RESEARCH METHODS

The research project enables students to undertake a detailed experimental study in a chosen area to develop analytical research skills with the support of dedicated supervisors. The student profile is developed throughout the programme, utilising a range of advanced academic and research skills with an emphasis on the practical industry applications of research findings. Interpretation and critical evaluation of current research findings will enable the student to further develop links between the zoo industry and the scientific community.

EVIDENCE-BASED HUSBANDRY

Zoo husbandry has traditionally relied on inference and anecdote but the need for an evidence based approach is now well documented. Practical application of species biology will be considered and developed alongside a range of methods that can be utilised to evaluate current welfare and husbandry standards. Behavioural analysis and enclosure utilisation studies will underpin this approach, along with wider consideration of health and nutrition.

CONTEMPORARY ISSUES IN ZOO BIOLOGY

This unit sets the historical context of zoos and considers their evolution. The roles of the modern zoo are considered in line with the World Zoo and Aquarium Conservation Strategy with future trends identified and considered. Population management and conservation biology are discussed and applied to modern zoo theory with the use of industry specific software (for example ZIMS) integrated into this delivery.

VISITOR STUDIES AND INTERPRETATION

Education is arguably the most important role of the modern zoo. This unit explores how visitors engage with and learn from the numerous opportunities provided within the zoo, drawing on the principles of interpretation, exhibitry and recreational learning theory. It explores the cultural and social context of the zoo and investigates visitor motivation and expectations. Methods of delivering the zoo message will be considered with evaluation of the effectiveness and impact of provision a key theme.

Entry requirements

BSc (Hons)

in Animal Management, Animal Science or a related subject at 2:2 or above

Find out more

about industry links at UCS on page 37

Equestrian Science and Performance Management

Develop your equine skills, specialise in rider and horse performance and open the doors to your career.

We combine professional teaching in our BHS-approved Equine Centre with cutting-edge teaching resources and expert staff. Our Equine team bring extensive industry experience and all staff who teach on the equitation modules are BHS qualified.

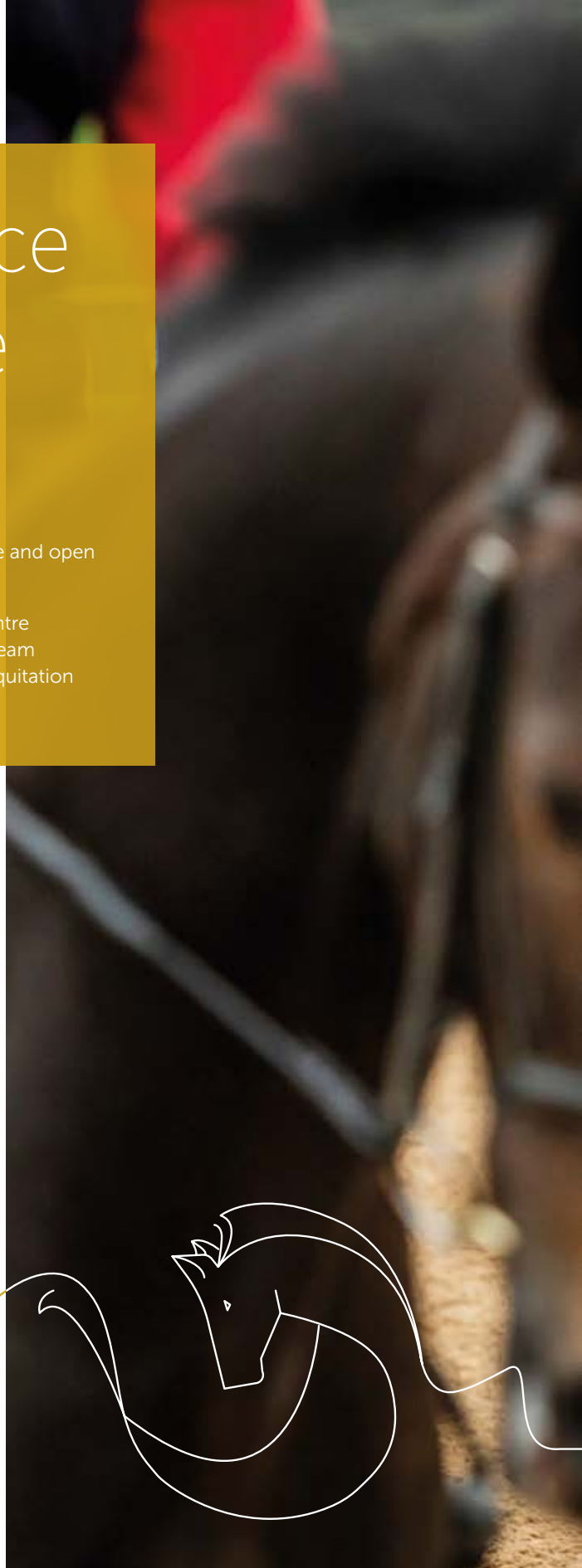
FdSc Equestrian Performance Management
Two years full-time

BSc (Hons) Equestrian Performance Management
Three years full-time
Top-up: one year full-time

BSc (Hons) Equine Science
Three years full-time
Top-up: one year full-time

MSc Equine Behaviour, Performance and Training
One year full-time
Two years part-time

The part-time option includes the opportunity to complete a Level 5 Diploma in Education and Training and gain valuable teaching experience (enrolment fee may apply).



CUTTING-EDGE TECHNOLOGY TO SUPPORT YOUR RESEARCH

Opened by Sir Mark Todd, our new Rider Performance Studio houses the very latest in simulator technology. The state-of-the-art Racewood Eventing Simulator will enable students to further expand their research in the growing field of rider performance, in addition to other industry-relevant research. UCS is also the only demonstration and training centre in the South of England for Avansce Ltd's Synchronicity rein analysis system.

Past students have presented their research at international conferences and events, giving them access to and visibility in the equine industry. Examples include:

- Equine end of life (EEoL): from a veterinary professional's perspective
- A retrospective study: behavioural changes pre-Equine Grass Sickness diagnosis


GYM

“The lecturing staff really are phenomenal.”

After finishing school at 16 I came straight to Sparsholt, completing a Level 3 extended diploma in Equine Management, before continuing to do a degree and a master’s.

The lecturing staff really are phenomenal. The small class sizes at Sparsholt means that not only do they know your name, they get to know you as a person and find out what you want to achieve. They also have hands-on experience of the industry, so are well equipped to prepare you for whatever career path you decide to take.

The equestrian facilities are brilliant – and are now even better with the addition of Charisma, the Racewood Simulator. UCS also hosts a wide range of industry standard research equipment that you have fantastic access to as a student.

Whilst studying here I developed a real interest in the research side of the course. My lecturers noticed and really helped me to pursue this, setting me up to work on my dissertation with some of the best equine researchers and giving me numerous opportunities to get involved with university research.

I loved studying so much that after my master’s I decided to continue to PhD level at the University of Edinburgh, which is something I never thought I would say.

Ella

PhD Student

Employability and industry links

As a UCS student you will benefit from both our expert staff and the professional teaching environment of our BHS-approved Equine Centre – all supporting your career progression.

The Equine team has extensive industry experience and contacts. Opened by Sir Mark Todd, our new Rider Performance Studio houses the very latest in simulator technology. The state-of-the-art Racewood Eventing Simulator will enable students to further expand their research in the growing field of rider performance, in addition to other industry-relevant research.

UCS is also the only demonstration and training centre in the South of England for Avansce Ltd's Synchronicity rein analysis system.

Staff undertake a range of collaborative research projects with industry leaders, giving valuable insight into the equine industry.

Sparsholt's Equine staff have impressive links and work with organisations such as:

- The British Horse Society (BHS)
- Dodson & Horrell Ltd.
- British Dressage
- The British Equestrian Federation
- Avansce Ltd
- Robinsons
- The Jockey Club
- Newmarket Racecourse
- The National Stud
- Horse & Hound
- The International Society for Equitation Science
- The British Association of Sport and Exercise Sciences
- The British Society of Animal Science
- British Showjumping
- Natural Animal Feeds
- Neue Schule

Find out more about the learning environment at UCS on page 13

Join the experts

Lorna Cameron

MSc, PGCLTHE, PGCE, BA (Hons), BHS SM (Reg'd), QTLS, SFHEA, R. Anim. Sci.

- 20 years as a competition groom
- MSc in Equine Science, currently research active in rider performance
- BHS Stable Manager and Registered Animal Scientist
- Specialises in research on the welfare of horses in varied situations and rider, coach-horse interactions
- Actively encourages and supports students to submit research to conferences – including the Alltech Equine Science Conference, the International Society of Equitation Science Conference and The British Society of Animal Science Conference
- Current projects include breast biomechanics in female riders and Dodson & Horrell Ltd feed trials, behaviour sensor validation and the impacts of veterinary physiotherapy on equine biomechanics

Follow Lorna on Twitter: **@ljcequine**

Natalie Stones

PGCE, QTLS, BSc (Hons)

- Worked as an Equine Veterinary Nurse within clinical, surgical and on-call roles, gaining an interest in colic and equine dysautonomia, as well as lameness and diagnostic modalities
- Specialist areas of interest include equine nutrition, gastrointestinal and neurological conditions, veterinary science and rehabilitation
- Industry experience includes working, producing and grooming in a variety of settings, including dressage studs and rehabilitation yards
- Competitive rider across all disciplines, enjoying self-producing horses from a young age
- Current projects include MRes into rider body image and positive impact on rider biomechanics and Dodson & Horrell Ltd feed trials

Cameo Knight

MSc, BSc (Hons)

- Studied at undergraduate and postgraduate level at University Centre Sparsholt
- Career focussed in Sales and Marketing, particularly within the agricultural and events sector
- Experienced in both the equine and agricultural industries
- Editorial pieces published in numerous equestrian magazines, all focusing on equine nutrition and its effects on health and welfare
- Varied industry experience from the racing sector to showjumping
- Independent research focusing on utilising equine faecal pH and masticatory kinematics to indicate hindgut health
- A key interest in the utilisation of Electromyography by way of data collection
- Has previously worked alongside Dodson & Horrell Ltd on research relating to nutrition and its effects on equine welfare

Facilities

ARENAS AND RIDING

60x23 metre indoor arena.

Three outdoor arenas, the largest of which measures 70x50 metres with an Andrews Bowen ProWax surface from the London 2012 Olympic Games.

Attractive grass riding and jumping areas, cross-country training field.

RESOURCES FOR RESEARCH

NEW Sir Mark Todd Rider Performance Studio with Racewood Eventing Simulator, Childeric saddles and Qualisys 3D motion capture system.

- Full size equine skeleton
- Heart rate monitors
- ETB Pegasus Gaitsmart System
- High speed cameras
- Fully-equipped laboratories
- The only demonstration and training centre in the South of England for Avansce Ltd's Synchronicity rein analysis system
- Biometrics EMG analysis system
- Quintic biomechanical analysis software
- Thermal Imaging Camera
- Eight stables equipped with InfraRed cameras for behavioural observations
- Twelve remote behavioural sensors and GPS sensors
- Equisense motion detectors

RESEARCH

As a UCS student you will be encouraged to undertake industry relevant research.

Recent research from UCS and the University of Portsmouth has been published and featured in The Telegraph – a great way to be recognised in the industry: *The effect of breast support on vertical breast displacement across equine simulator gaits* by Felicity Goater.

SUPERB STABLING

- Variety of stable styles housing up to 75 carefully selected horses
- DIY livery and summer grazing available for students' horses
- Covered horse walker
- Solarium and hot wash bay
- Weighbridge

FdSc (Foundation Degree)

Equestrian Performance Management

Duration:
Two years full-time

UCAS Code:
D422

Tutor:
Natalie Stones PGCE, QTLS, BSc (Hons)

A career-focused course with the potential to progress to a top-up year

- Work experience opportunities at all course stages
- The opportunity to progress to BSc Top-up at University Centre Sparsholt after successfully completing the course
- Get hands-on with research projects, events and shows as well as an international study tour*
- Access fantastic facilities such as the Sir Mark Todd Rider Performance Studio and Racewood Eventing Simulator

What will I learn?

This course has been carefully designed to help you build strong practical skills alongside applied knowledge to maximise your employability. This practical emphasis is reflected in the course content, with units in equitation, husbandry and training, while other units focus on your applied scientific knowledge and business skills.

Using all the resources of our flagship Equine Centre, you will experience riding, running events and shows and completing assignments and research projects. Research projects focus on the management of a commercial sized centre, while external study visits and an international study tour* increase industry exposure. Work placements throughout the course complete the picture.

Validated by:

UNIVERSITY OF PORTSMOUTH

TEF Gold Teaching Excellence Framework

How will I be assessed?

Tutorial support throughout the study will help you to develop your skills and knowledge, using a varied range of assessments, including case studies, seminars and investigative reports with a range of practical sessions.

Where can I go from here?

Many FdSc graduates choose to join the BSc Top-up programme in Equestrian Performance Management. Sparsholt graduates enjoy a range of careers in teaching, livery centres, polo yards, racing and studs, including competition rider, groom, riding instructor, stud worker and racing stable manager.

Modules covered

LEVEL FOUR

- Equine Anatomy and Physiology
- The Equine Industry
- Industrial Experience
- Equitation and Husbandry
- Principles in Biology
- Academic Skills
- Scientific Principles in Equitation

LEVEL FIVE

- Equitation and Coaching
- Applied Industry Research
- Nutrition and Dietetics
- Industrial Development
- Equine Health and Welfare
- Equine Business Administration
- Breeding and Stud Management

Entry requirements

A Level

Two A Level passes including one at grade C or above in a science subject

BTEC National Ext. Diploma

MMP

City & Guilds Advanced Technical Ext. Diploma (1080)

MMP

BTEC National Diploma

MM

City & Guilds Advanced Technical Ext. Diploma (720)

MM

Access to HE

A satisfactory pass in a relevant Access course with 45 credits at Level 3 with science units at merit

International Baccalaureate

Appropriate IB certificates considered

Plus GCSE maths and English at grade 4/C or above, or Level 2 Functional Skills in maths and English

*Subject to uptake. Additional cost applies.

BSc (Hons)

Equestrian Performance Management

Duration:
Three years full-time
One year BSc Top-up also available

UCAS Code:
Full-time D322
Top-up D423

Tutor:
Lorna Cameron
MSc, PGCLTHE, PGCE, BA (Hons), BHS SM (Reg'd), QTLS, SFHEA, R. Anim. Sci.

Validated by:

UNIVERSITY OF PORTSMOUTH

TEF Gold Teaching Excellence Framework

Excellent preparation for the equine industry

- Be taught by leading industry experts who are passionate about delivering and developing the latest research
- Outstanding on-site facilities that enable you to develop specialist skills and knowledge preparing you for a successful transition into employment
- Access fantastic facilities such as the Sir Mark Todd Rider Performance Studio and Racewood Eventing Simulator
- Tailor your learning to your interests and career goals with optional units and dissertation at Level 6
- Broaden your horizons with an optional international study tour
- Full-time top-up programme also available

What will I learn?

The programme is designed to prepare you for a career in the exciting and demanding equine industry. Using the outstanding facilities of the BHS approved Equine Centre, you will develop the vital skills needed, from riding and husbandry at Level 4 to research and analysis at Level 6.

This course provides real life experience by giving you the chance to organise an event of your choosing. In all three years of the course, you will also be involved in scientific projects and will complete a work placement of one month. A full range of off-site visits to studs, sports horse centres and competition grounds, plus guest speakers in nutrition, physiotherapy and other subjects give yet more industry insight, and give students the opportunity to develop their own links with professionals within the industry.

How will I be assessed?

Tutorial support throughout your programme of study will help you to develop your skills and knowledge, using a varied range of assessments, including exams, case studies, seminars, investigative reports and practical sessions.

Where can I go from here?

You can progress to further study on the MSc in Equine Behaviour, Performance and Training or another MSc, MA or PhD programme. University Centre Sparsholt graduates enjoy a range of careers in teaching, livery centres, polo yards, racing and studs, including competition rider, groom, riding instructor, stud worker, stable manager, marketing manager, lecturer and lab manager.

Modules covered

LEVEL 4

- Equine Anatomy and Physiology
- Equine Industry
- Academic Skills
- Industrial Experience
- Scientific Principles in Equitation
- Equitation and Husbandry
- Principles in Biology

LEVEL 5

- Equine Business Administration
- Nutrition and Dietetics
- Equitation and Coaching
- Industrial Development
- Equine Health and Welfare
- Breeding and Stud Management
- Statistics and Research Methods

LEVEL 6

- Dissertation
- Leisure Enterprise Management
- Further Statistics
- Equine Rehabilitation and Therapy
- Equine Biomechanics and Sports Science
- Applied Nutrition (optional)*
- Equine Genetics and Reproductive Technologies (optional)*
- Professional Industrial Development

*Subject to demand.

Entry requirements

A Level

Three A Level passes including two at grade C or above. One grade C should be in a science subject

BTEC National Ext. Diploma

DMM

City & Guilds Advanced Technical Ext. Diploma (1080)

DMM

BTEC National Diploma

N/A

City & Guilds Advanced Technical Ext. Diploma (720)

N/A

Access to HE

A merit profile in a relevant Access course with 45 credits at Level 3 with science units at merit

International Baccalaureate

24 points with HL science at 4

Plus GCSE maths and English at grade 4/C or above, or Level 2 Functional Skills in maths and English

>> BSc (Hons)

Equine Science

Duration:
Three years full-time

One year BSc Top-up also available

UCAS Code:
Full-time D426
Top-up 422D

Tutor:
Lorna Cameron MSc, PGCLTHE, PGCE, BA (Hons), BHSSM (Reg'd), QTLS, SFHEA, R. Anim. Sci.

Leading industry experts help you develop and specialise

- Gain the scientific skills and knowledge needed for a career in scientific support and management of the performance horse
- Be taught by leading industry experts in outstanding on-site facilities
- Access fantastic facilities such as the Sir Mark Todd Rider Performance Studio and Racewood Eventing Simulator
- Tailor your learning to your interests and career goals with optional units and dissertation at Level 6
- Be taught by leading industry experts who are passionate about delivering and conducting the latest research

What will I learn?

The programme is designed to prepare you for a career in scientific support and management of the performance horse. You will use the outstanding facilities of the BHS-approved Equine Centre as well as fully-equipped laboratories to develop the vital skills needed. At Level 6, optional units enable you to choose the study path that suits your career aims, with equine science subjects such as Equine Genetics and Reproductive Technologies and Applied Nutrition on offer.

You will complete a one-month work placement. A range of off-site visits to studs, sports horse centres and veterinary centres, plus guest speakers in nutrition, physiotherapy, genetics, exercise science and other subjects give yet more industry insight.

Validated by:

UNIVERSITY OF PORTSMOUTH

TEF Gold Teaching Excellence Framework

How will I be assessed?

Tutorial support throughout your programme of study will help you to develop your skills and knowledge, using a varied range of assessments, including case studies, seminars, investigative reports and practical sessions.

Where can I go from here?

You can progress to further study on the MSc in Equine Behaviour, Performance and Training or another MSc such as MSc in Veterinary Physiotherapy or PhD programme. Our graduates enjoy a range of careers in teaching, racing and performance studs, laboratory work, research management and scientific support of performance horses.

Modules covered

LEVEL 4

- Equine Anatomy and Physiology
- The Equine Industry
- Academic Skills
- Industrial Experience
- Scientific Principles in Equitation
- Equitation and Husbandry
- Principles in Biology

LEVEL 5

- Advanced Equine Anatomy and Physiology
- Nutrition and Dietetics
- Statistics and Research Methods
- Equitation and Coaching
- Equine Ethology
- Equine Health and Welfare
- Breeding and Stud Management

LEVEL 6

- Dissertation
- Equine Veterinary Science
- Further Statistics
- Equine Rehabilitation and Therapy
- Equine Biomechanics and Sports Science
- Applied Nutrition (optional)*
- Equine Genetics and Reproductive Technologies (optional)*
- Professional Industrial Development

Entry requirements

A Level

Three A Level passes including two at grade C or above. One grade C should be in a science subject

BTEC National Ext. Diploma

DMM

City & Guilds Advanced Technical Ext. Diploma (1080)

DMM

BTEC National Diploma

N/A

City & Guilds Advanced Technical Ext. Diploma (720)

N/A

Access to HE

A merit profile in a relevant Access course with 45 credits at Level 3 with science units at merit

International Baccalaureate

24 points with HL science at 4

Plus GCSE maths and English at grade 4/C or above, or Level 2 Functional Skills in maths and English

*Subject to demand.

» MSc

Equine Behaviour, Performance and Training

Duration:

One year full-time

Two years part-time

The part-time option includes the opportunity to complete a Level 5 Diploma in Education and Training and gain valuable teaching experience (enrolment fee may apply)

How to apply:

Apply direct on our website

Tutor:

Lorna Cameron MSc, PGCLTHE, PGCE, BA (Hons), BHSSM (Reg'd), QTLS, SFHEA, R. Anim. Sci.

Outstanding facilities for innovative research

- Excellent facilities, expert teaching, strong links with industry and small class sizes
- Take your equine knowledge to the next level with this specialist postgraduate programme
- Develop research expertise relevant to industry using extensive laboratory, performance analysis and BHS-approved Equine Centre facilities
- Access fantastic facilities such as the Sir Mark Todd Rider Performance Studio and Racewood Eventing Simulator

What will I learn?

Master's level units are delivered by tutors qualified at postgraduate level in relevant subjects, many of whom have a strong British Horse Society (BHS) and performance horse background, most being research active.

The research project enables you to undertake a detailed experimental study in a chosen area to develop analytical research skills with the support of dedicated supervisors. Interpretation and critical evaluation of current research findings will enable you to further develop links between the equestrian industry and the equine scientific community.

Validated by:

UNIVERSITY OF PORTSMOUTH

TEF Gold Teaching Excellence Framework

How will I be assessed?

Units are assessed by a mix of coursework, practical assessments, exams, case studies and project work. Emphasis is placed on the development of critical evaluation and research skills with the use of formative assessments throughout the programme of study.

Developmental feedback will enable you to widen the range of your academic skills as you progress through the programme.

Where can I go from here?

Master's graduates could progress to a career in lecturing, equestrian training, research support, equestrian journalism and performance analysis or alternatively you may choose to progress to study at doctorate level.

Modules covered

- Equestrian Training
- Equestrian Performance
- Applied Animal Behaviour Science
- Research Methods
- Research Project

Entry requirements

BSc (Hons)

in a Science-related programme at 2:2 or above

Find out more

about industry links at UCS on page 58

Fisheries, Aquaculture and Marine Studies

We are recognised worldwide for our expertise in providing education in fisheries, aquaculture and marine studies.

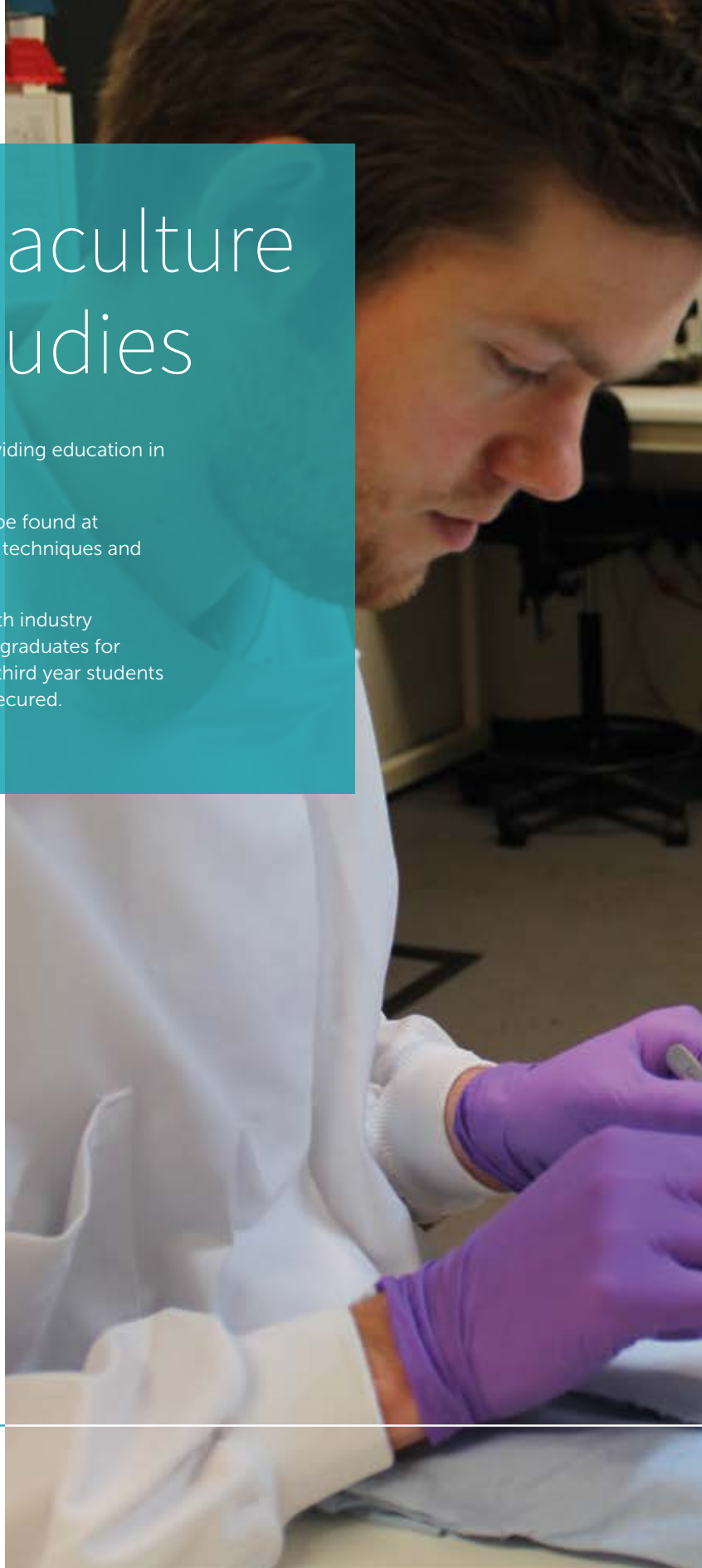
Our lecturing staff are industry experts and can often be found at conferences and industry forums discussing the latest techniques and their supporting research.

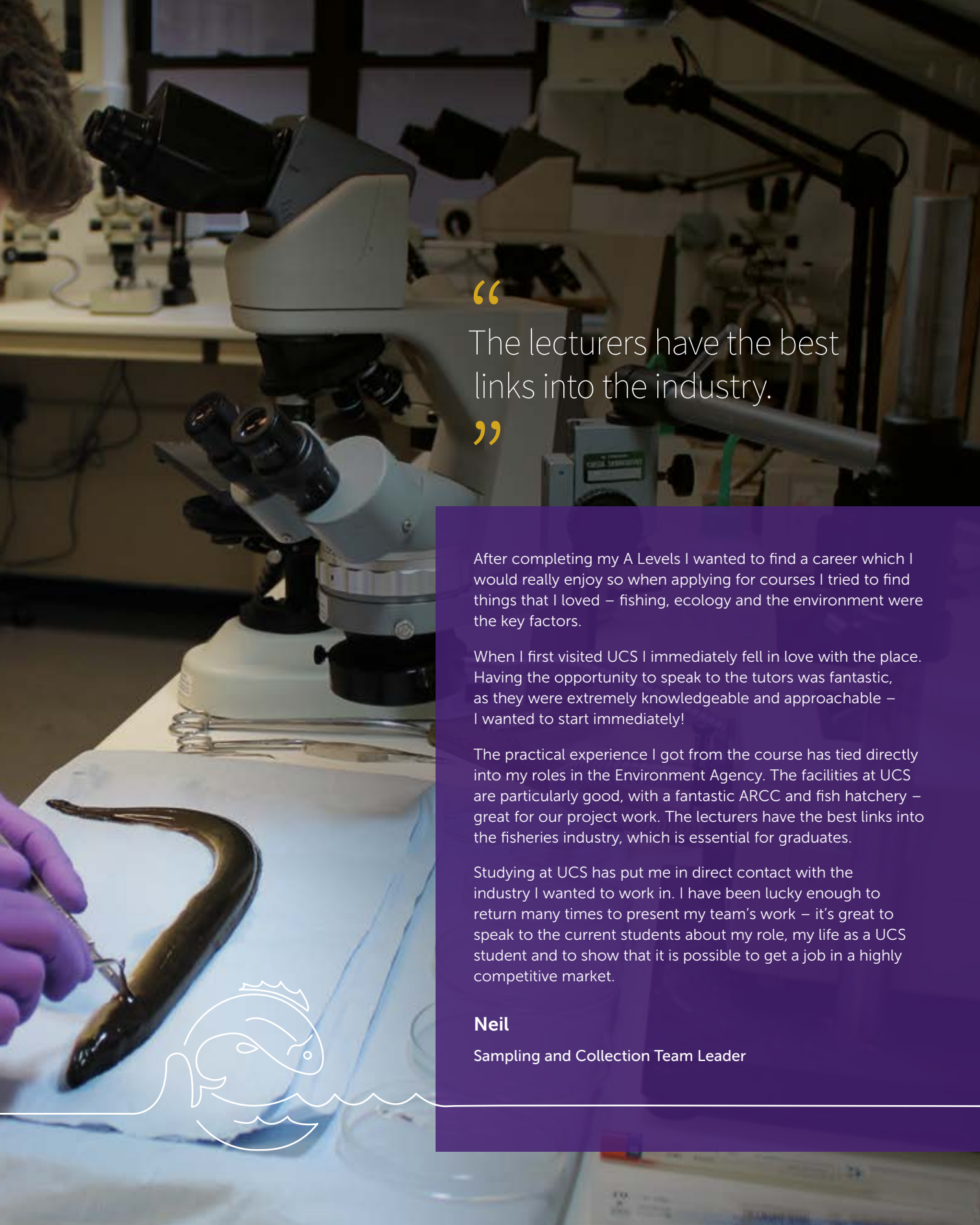
Sparsholt's unmatched fish facilities and close links with industry enable vocational course programmes which prepare graduates for employment directly in the industry. Over 50% of our third year students return from their work placements with jobs already secured.

FdSc Sports Fisheries and Aquaculture
Two years full-time

FdSc Marine Ecology and Conservation
Two years full-time

BSc (Hons) Aquaculture and Fishery Management
Three years full-time
Top-up: one year full-time





> “The lecturers have the best links into the industry.”

After completing my A Levels I wanted to find a career which I would really enjoy so when applying for courses I tried to find things that I loved – fishing, ecology and the environment were the key factors.

When I first visited UCS I immediately fell in love with the place. Having the opportunity to speak to the tutors was fantastic, as they were extremely knowledgeable and approachable – I wanted to start immediately!

The practical experience I got from the course has tied directly into my roles in the Environment Agency. The facilities at UCS are particularly good, with a fantastic ARCC and fish hatchery – great for our project work. The lecturers have the best links into the fisheries industry, which is essential for graduates.

Studying at UCS has put me in direct contact with the industry I wanted to work in. I have been lucky enough to return many times to present my team’s work – it’s great to speak to the current students about my role, my life as a UCS student and to show that it is possible to get a job in a highly competitive market.

Neil

Sampling and Collection Team Leader

Employability and industry links

University Centre Sparsholt is renowned as the leading provider in advanced education for the fishery and aquaculture industries regionally, nationally and internationally.

We were the first institution in the country to offer fishery studies and our graduates are now managers and scientists in this industry all over the world. Thanks to this heritage, our staff are often called on as the acknowledged experts in the field.

Our extensive industry links, the value of the Sparsholt 'name' in industry and the exciting and varied work placements you can undertake as a UCS student give you an unrivalled head start in the fishery and aquaculture industry.

You will benefit from our exceptional industry links as we work with organisations such as:

- Institute of Marine Sciences at the University of Portsmouth
- British Trout Association
- Salmon & Trout Conservation
- AquaBio Tech Group, Malta
- Institute of Fisheries Management
- Department for Environment, Food and Rural Affairs (Defra)
- Ornamental Aquatic Trade Association (OATA)
- Centre for Environment, Fisheries and Aquaculture Science (CEFAS)
- KwaZulu-Natal Sharks Board
- Environment Agency
- Carp TV
- Inshore Fisheries and Conservation Authorities (IFCAs)
- British and Irish Association of Zoos and Aquariums (BIAZA)
- DT Baits
- Tetra
- Aquarian
- FishScience Ltd.
- Peter Hardy Ltd.
- Zoological Society of London (ZSL)

Find out more about student life at UCS on page 16

Join the experts

Dr David Koss

PhD, BSc (Hons), PGCE

- On graduating from Aberdeen University worked in the salmon farming industry before joining the Environment Agency, roles included managing a fish farm and mixed fishery, bailiffing and fish population surveying
- PhD investigated the effects of temperature and timing of first feeding in Atlantic salmon egg and fry development
- Planned and developed Sparsholt's Salmonid Rearing and Trials Centre

Dr Kerry Perkins

PhD, MSc, PGDipSci, BSc

- Over 13 years' experience in the Aquarium industry working in New Zealand, USA and the UK
- Worked in unique research environments from diving under commercial mussel farms in New Zealand to sifting through museum collections in the UK
- Broad research interests from Life Support Systems in a commercial setting through to fish and invertebrate welfare
- Focus on cephalopod welfare and biology and has worked with the European Union on cephalopod research legislation

George Hide

MSc, PGCE, BSc (Hons), FHEA

- Undergraduate at Swansea University and postgraduate at Plymouth University, completing an MSc in Applied Fish Biology
- Industry background in salmon and trout farming working for a large multinational salmon producer in Scotland, with brief spells in Canada and Chile
- Maintains extensive contacts with the UK aquaculture industry, in particular with commercial feed manufacturers
- Manages Sparsholt's fish trial facilities and involved in collaborative research into commercial salmonid, coarse and ornamental fish diets
- In 2018, awarded Hugh Jones Memorial Trophy for 'Distinguished Services to Aquaculture'

Dr Kate Johnson

PhD, MSc, BSc

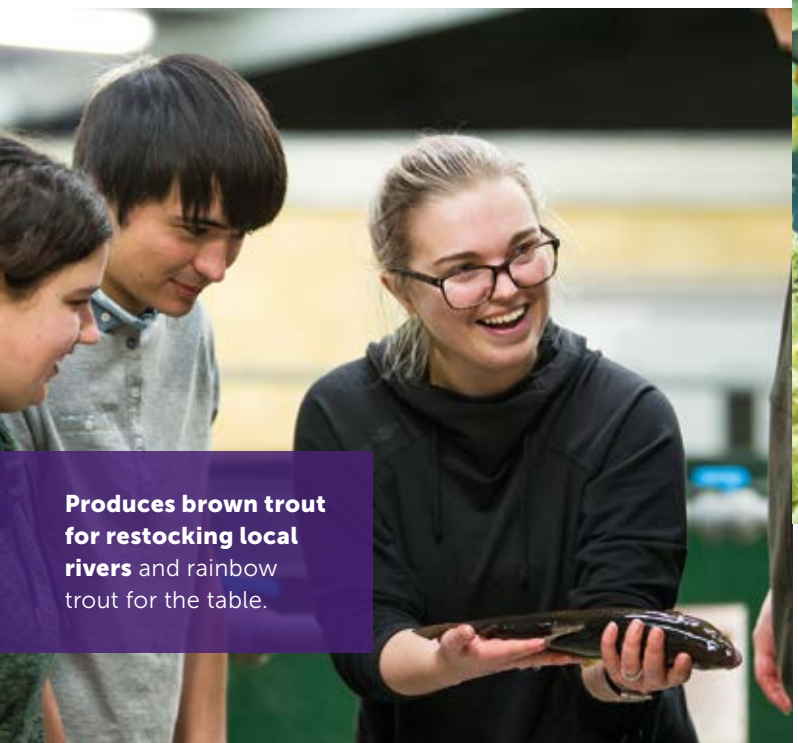
- Over 10 years' experience studying the biology of marine fishes
- PhD from The University of Auckland, New Zealand examined the gut structure and function in marine herbivorous fishes from temperate and tropical reef environments
- Research interests include comparative physiology and nutrition in fishes

Facilities

SALMONID REARING AND TRIALS CENTRE

Purpose-built to train fish farmers of the future and undertake important aquaculture research.

Research and development facility used by global leaders in fish food manufacture.



Produces brown trout for restocking local rivers and rainbow trout for the table.

Includes a salmonid hatchery and ongrowing unit, lab and fish processing area and a trials unit with 72 tanks.

RESEARCH

As a UCS student you will be encouraged to undertake innovative and exciting research in our unique facilities as part of your course.

Recent examples include:

- Testing different feed rates for maximum growth in carp
- Trialling a novel method of controlling the fish louse (*Argulus*) in a fishery
- Testing the effect of magnetic water on fish growth and pigmentation
- Assessing shell production in marine prawns
- Testing novel feed ingredients (fly larvae) in carp diets
- Assessing levels of plastic pollution in the sediments of the river Kennet
- Use of novel sustainable replacements for fish meal in fish diets

AQUATIC RESEARCH AND CONSERVATION CENTRE

Only one of its kind in the UK.

- ARK site for white-clawed crayfish
- 650m^2 purpose-built fish house
- Holds stocks of carp, catfish, tilapia and an extensive range of ornamental species
- Captive breeding programmes for endangered fish species working with international partners
- Indoor koi pool
- Research areas with replica tanks for student projects
- Marine habitats that replicate a range of global ecosystems

LAKE

An exclusive mixed coarse fishery, stocked with carp, roach, rudd, bream, crucian carp, tench and perch.

Exceptional resource for teaching practical coarse fishery management and free recreational use for students studying fishery related courses.

FdSc (Foundation Degree)

Sports Fisheries and Aquaculture

Duration:
Two years full-time

UCAS Code:
D439

Tutor:
George Hide MSc, PGCE, BSc (Hons), FHEA

Gain valuable industry contacts for your future

- Focus on vocational learning and gain skills in subjects such as water quality, fish anatomy and physiology, aquaculture and fish health and nutrition
- Experience the industry through visits to fish farms and fisheries, research and collaborative projects
- Benefit from work placements in areas such as salmon farming, specimen carp fisheries, river keeping or even Jamaican tilapia farming
- Progress to final year of relevant BSc (Hons) programme after successful completion

What will I learn?

The programme is designed to develop the practical, scientific and specialist skills needed by the fishery management and aquaculture industry. Subjects studied include water quality, fish anatomy and physiology, fishery management and ecology, aquaculture and fish health and nutrition.

You will also gain work experience in various industry sectors. Previous placements range from Scottish salmon farms, specimen carp fisheries in England, France and Spain and a tilapia farm in Jamaica to river keeping on local chalk streams, the London Aquarium, the Fish Disease Laboratory at Weymouth and bait manufacturers.

Study tours are embedded into the course at Level 4 (Scotland) and Level 5 (Malta). They are a great opportunity to experience different vocational opportunities and other facilities.

Validated by:

UNIVERSITY OF PORTSMOUTH

TEF Gold Teaching Excellence Framework

How will I be assessed?

Assessment includes coursework (such as practical portfolios, laboratory reports, case studies and essay style assignments) in combination with formal examinations and group research projects.

Where can I go from here?

You can progress to the BSc (Hons) in Aquaculture and Fishery Management Top-up at University Centre Sparsholt; alternatively there are BSc programmes available at other universities.

Sparsholt students have also gained employment as sports fishery managers, fish farmers and fishery officers in the Environment Agency.

Modules covered

LEVEL 4

- Water Quality
- Introductory Science
- Fishery Science
- Industrial Experience
- Introductory Fishery Management
- Salmonid Aquaculture
- Academic Skills

LEVEL 5

- Tropical Aquaculture
- Fish Health and Nutrition
- Marine Fish Farming
- Fishery Appraisal
- Financial Studies
- Applied Industrial Research
- Industrial Development

Entry requirements

A Level

Two A Level passes including one at grade C or above in a science

BTEC National Ext. Diploma

MMP

City & Guilds Advanced Technical Ext. Diploma (1080)

MMP

BTEC National Diploma

MM

City & Guilds Advanced Technical Ext. Diploma (720)

MM

Access to HE

A satisfactory pass in a relevant Access course with 45 credits at Level 3 with science units at merit

International Baccalaureate

Appropriate IB certificates considered

Plus GCSE maths and English at grade 4/C or above, or Level 2 Functional Skills in maths and English

FdSc (Foundation Degree)

Marine Ecology and Conservation

Duration:
Two years full-time

UCAS Code:
CF17

Tutor:
Dr Kate Johnson
PhD, MSc, BSc

Understand and influence complex marine issues

- Gain the skills and experience needed for a variety of career opportunities in this growing sector
- Enhance your learning with work placements such as coral research and shark conservation both in the UK and abroad
- Experience the industry in depth by visiting UK and international fish farms, coastal sites and research centres
- Potential to progress to University of Portsmouth for one year BSc (Hons) Top-up in Marine Biology on successful completion

What will I learn?

Marine ecology and conservation systems are studied in depth in this programme as you explore the impact of factors such as coastal developments, over-fishing, non-native species and worldwide climate change.

The course includes significant work experience in marine aquaculture, coastal fisheries, marine aquaria and research establishments both at home and abroad.

Validated by:

UNIVERSITY OF PORTSMOUTH

TEF Gold Teaching Excellence Framework

How will I be assessed?

Assessment includes coursework (such as practical portfolios, laboratory reports, case studies and essay style assignments) plus formal exams. Research opportunities are also a feature, often enabling data collection within organisations such as the Inshore Fisheries Conservation Authority.

Where can I go from here?

You can progress to the one year BSc (Hons) Top-up in Marine Biology at the University of Portsmouth, or enter the industry. Sparsholt students now work in national wildlife trusts and marine research.

Modules covered

Each year includes an assessed work placement unit.

LEVEL 4

- Introduction to Marine Ecology
- Academic Skills including IT
- Marine Conservation Biology
- Introduction to Marine Fisheries Management
- Biodiversity and Evolution
- Introductory Science
- Industrial Experience

LEVEL 5

- Aquatic Ecology and Conservation
- Population and Ecology
- Marine Fish Farming
- Marine Organisms and Ecosystems
- Applied Industrial Research including Data Analysis
- Industrial Development

Entry requirements

A Level

Two A Level passes including one at grade C or above in a science

BTEC National Ext. Diploma

MMP

City & Guilds Advanced Technical Ext. Diploma (1080)

MMP

BTEC National Diploma

MM

City & Guilds Advanced Technical Ext. Diploma (720)

MM

Access to HE

A satisfactory pass in a relevant Access course with 45 credits at Level 3 with science units at merit

International Baccalaureate

Appropriate IB certificates considered

Plus GCSE maths and English at grade 4/C or above, or Level 2 Functional Skills in maths and English

>> BSc (Hons)

Aquaculture and Fishery Management

Duration:

Three years full-time

One year BSc Top-up also available

UCAS Code:

Full-time D480
Top-up D435

Tutors:

George Hide MSc, PGCE, BSc (Hons), FHEA

Dr Kate Johnson PhD, MSc, BSc

Dr Kerry Perkins PhD, MSc, PGDipSci, BSc

Validated by:

UNIVERSITY OF PORTSMOUTH

TEF Gold Teaching Excellence Framework

A global network of real world expertise for your future

- One course that will develop you from introductory level in Year 1 through to independent research and application in Year 3
- Gain a wide range of practical experience and knowledge in subjects such as fish anatomy and physiology, business and environmental management and aquaculture
- Take part in work placements in places such as Fiji, South Africa or closer to home in Scotland
- Be taught by leading industry experts in unrivalled on-site facilities

What will I learn?

The programme combines scientific, managerial and practical skills that are developed in a range of subjects such as water quality, fish anatomy and physiology, fishery management and ecology, aquaculture, fish health and nutrition, business and environmental management.

During the course there are also extensive periods of work experience. Recent placements have included carp fisheries in Spain and France, salmon farms in Tasmania and New Zealand, goldfish farms in the United States, Royal aquariums in the Middle East, research into ornamental fish welfare in the Philippines, Coral Cay Conservation in Fiji and research for the Natal Shark Board in South Africa.

Closer to home, University Centre Sparsholt has excellent links with potential placement destinations including public aquariums, coarse and game fisheries, government fishery laboratories and numerous fish farms.

How will I be assessed?

Assessment at Level 4 and 5 is primarily by exams and coursework which includes practical portfolios, laboratory reports, case studies and essay style assignments. At Level 6 there is a greater emphasis on group projects and independent research.

Where can I go from here?

You can progress onto postgraduate study, gain employment or use your skills to run your own business.

Sparsholt graduates now work as aquatic and fishery management consultants, in specialist angling publications, tackle and bait manufacturers, public aquaria, fisheries enforcement and product development, as lab and research technicians, in education and teaching and as fish farmers and fishery managers.

Modules covered

LEVEL 4

- Water Quality
- Industrial Experience
- Fishery Science
- Introductory Fishery Management
- Salmonid Farming
- Academic Skills including IT
- Introductory Science

LEVEL 5

- Tropical Aquaculture
- Fish Health and Nutrition
- Marine Fish Farming
- Fishery Appraisal
- Financial Studies
- Statistics and Research Methods
- Industrial Development

LEVEL 6

- Applied Fishery Science
- Developments in Fish Production and Processing
- Enterprise and Management
- Environmental Management
- Dissertation
- Further Statistics
- Professional Industrial Development

Entry requirements

A Level

Three A Level passes including two at grade C or above. One grade C or above should be in a science

BTEC National Ext. Diploma

DMM

City & Guilds Advanced Technical Ext. Diploma (1080)

DMM

BTEC National Diploma

N/A

City & Guilds Advanced Technical Ext. Diploma (720)

N/A

Access to HE

A merit profile in a relevant Access course with 45 credits at Level 3 with science units at merit

International Baccalaureate

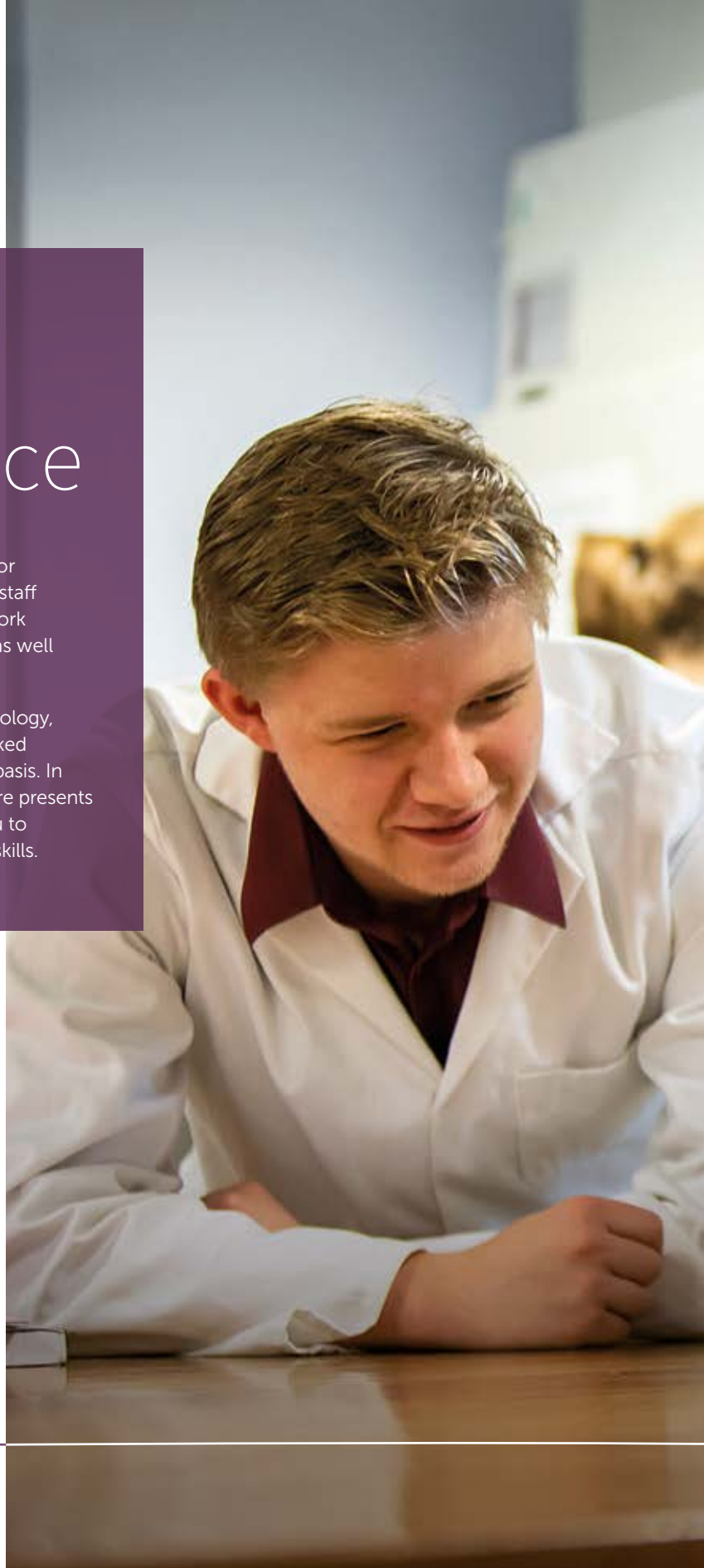
24 points with HL science at 4

Plus GCSE maths and English at grade 4/C or above, or Level 2 Functional Skills in maths and English

Veterinary Nursing Science

University Centre Sparsholt has very strong provision for teaching and training Veterinary Nurses. Our teaching staff bring experience and expertise in all areas of animal work including veterinary nursing, health and welfare work as well as animal training.

Our purpose built Veterinary Nursing Centre boasts radiology, consultation preparation and theatre rooms and is stocked with all the equipment veterinary nurses use on a daily basis. In addition, our Animal Health and Welfare Research Centre presents a diverse and extensive range of animals that allows you to develop your practical animal handling and husbandry skills.



FdSc Veterinary Nursing Science
Three years full-time


HIGHER EDUCATION

> On visiting Sparsholt I fell in love with the campus and the facilities offered.

I have always known that a career in veterinary nursing was for me. On visiting Sparsholt I fell in love with the campus and the facilities offered. The excitement of studying at an institution that had an on-site zoo was a huge part and I was also keen to have the 'university experience' away from home. The area is lovely, with a rural feel to the campus but close enough to the city to enjoy good connections to shopping/day trips/places to eat, and a train station with good rail links was ideal!

I really enjoyed the course. The lectures are very informative and the placement is fantastic – learning on the job whilst having the academic knowledge to back up what you are doing is very rewarding. Sparsholt offers support throughout the whole course – the teaching team are extremely friendly and passionate about what they teach and all have a specialised skill set.

In addition to essential nursing knowledge, Sparsholt allowed me to gain and develop other key employability skills and I enjoyed lots of opportunities to build confidence with public speaking. The course goes a long way to preparing you for clinical practice and the final year allows you to explore your own interests in the field. I feel Sparsholt offers a supportive community in order to study academically and practically in order to achieve success in your chosen area.

Charlotte

Registered Veterinary Nurse

Employability and industry links

A veterinary nursing course can lead you to a variety of fulfilling career paths, including veterinary nursing in general, specialist or referral practice; animal health and conservation; education; insurance for animal health companies; work for organisations and charities such as the RSPCA.

Students have completed clinical placements at organisations such as:

- RSPCA
- PDSA
- Top Dog Hydrotherapy
- Community Farms
- Fitzpatrick Referrals
- Southern Counties Veterinary Specialists
- Optivet Referrals
- Companion Care

▲ Students' RCVS Veterinary Nurse Declaration on Professional Registration

Find out more about finance and fees at UCS on page 104

Join the experts

Emma Anscombe-Skirrow

MSc, BSc (Hons), RVN Cert Ex, DTLLS, FHEA

- MSc Biodiversity, Wildlife and Ecosystem Health from the University of Edinburgh
- BSc (Hons) Veterinary Nursing Science; registered RCVS Veterinary Nurse
- City & Guilds Certificate Nursing of Exotic Species
- Qualified clinical coach supporting student veterinary nurses in practice
- Interests include: anatomy and physiology; schedule 3 procedures and surgical nursing; the nursing of exotic species; ecosystem health and conservation medicine

Dr Sarah Jones, MRCVS

MA (Cantab), VetMB, MRCVS

- Lecturer in Veterinary Nursing Science and Animal Management
- MA (Cantab) and VetMB in Veterinary Medicine from the University of Cambridge
- Registered RCVS Veterinary Surgeon with a broad variety of experience in charity, independent and corporate small animal veterinary practice and an interest in surgery and diagnostic imaging
- Previously worked as an official veterinary surgeon at GBGB registered greyhound racing tracks

Jo Bond

BSc (Hons), Dip AVN, RVN, DTLLS, FHEA

- BSc (Hons) in Veterinary Nursing and Practice Management
- RCVS Advanced Diploma in Veterinary Nursing specialising in medical and critical care nursing
- Currently working towards an MSc in Animal Welfare Science, Ethics and Law
- Qualified clinical coach supporting student veterinary nurses in practice
- Interests include medical nursing, emergency and critical care nursing and animal welfare
- Currently locums as an emergency and critical care nurse in industry

Beverley Lewington

RVN, DTLLS, A1, V1

- Registered Veterinary Nurse
- Lecturer in Animal Science and Small Animal Rehabilitation
- Currently working towards an MSc in Veterinary Physiotherapy at Nottingham University
- Promotion of positive reinforcement with a range of species, working alongside Educating Animals Animal Training, supporting animal trainers to include Guide Dogs for the Blind, zoo keepers and dog trainers
- Interests in anatomy and physiotherapy, rehabilitation and medical nursing to include supportive therapies for osteoarthritic patients

Denise Laughlin

MSc, RVN Cert Ex, DET

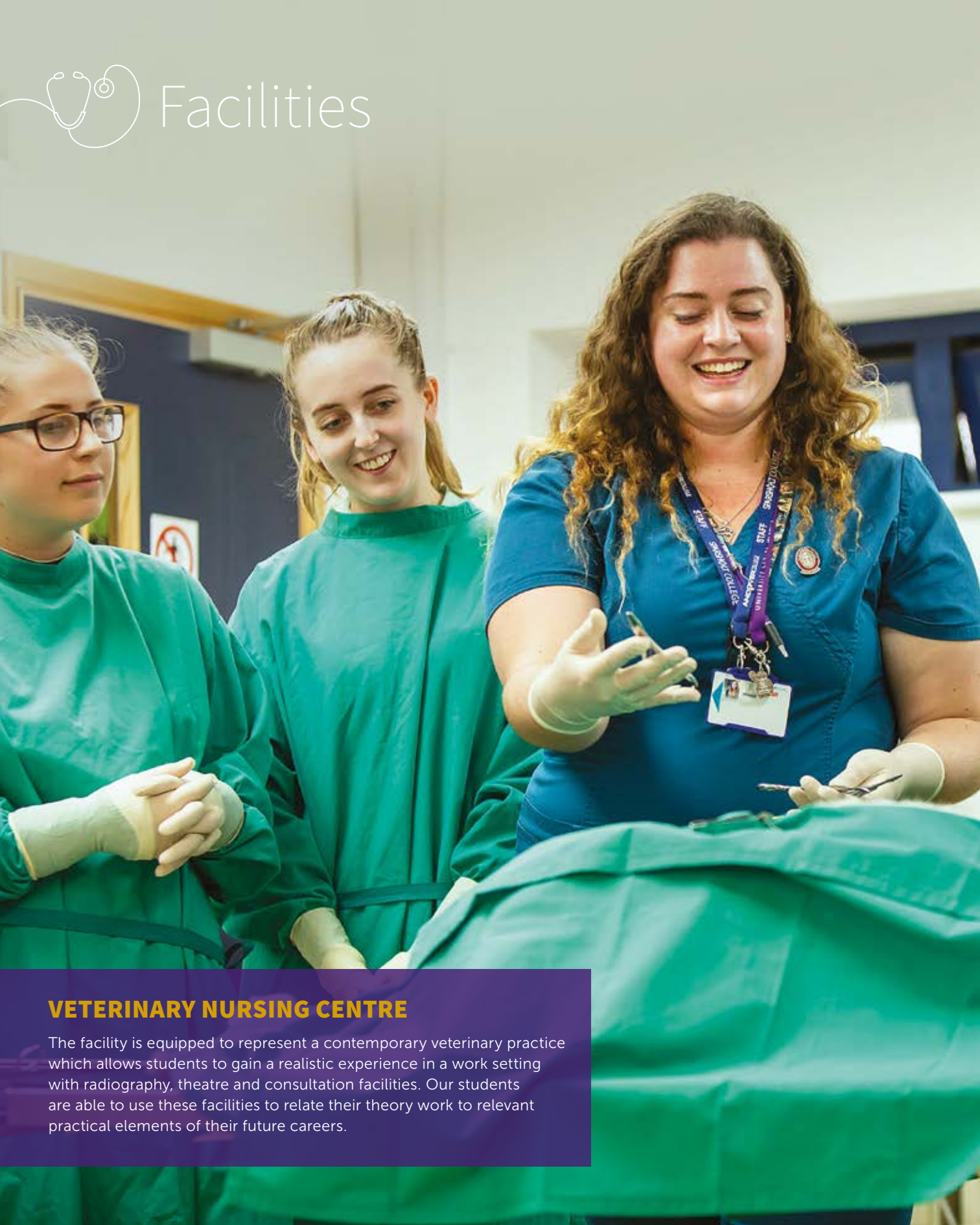
- SVQ Veterinary Nursing; registered RCVS Veterinary Nurse
- MSc International Animal Welfare, Ethics and Law from the University of Edinburgh
- City & Guilds Certificate Nursing of Exotic Species
- Broad experience of working in the international charitable sector
- Interests include: surgical nursing, wildlife rehabilitation and conservation and animal welfare science

Dr Jess Watson

BVM&S MRCVS

- RCVS registered veterinary surgeon specialising in equine practice
- Graduated from the University of Edinburgh
- Completed internship at the Royal Veterinary College's Equine Hospital, London
- Experience in many sectors of the equine industry including companion horses, mare and foal management and sports horses, with a particular interest in medicine cases

Facilities



VETERINARY NURSING CENTRE

The facility is equipped to represent a contemporary veterinary practice which allows students to gain a realistic experience in a work setting with radiography, theatre and consultation facilities. Our students are able to use these facilities to relate their theory work to relevant practical elements of their future careers.

ANIMAL HEALTH AND WELFARE RESEARCH CENTRE – FURTHER £2MILLION INVESTMENT FOR SEPTEMBER 2020

The Phase 4 development of our leading edge applied animal teaching facilities, 'The Animal Health and Welfare Research Centre', will add to the range of techniques, skills and industry know-how of our students.

RESEARCH

You will be encouraged to undertake challenging and innovative research as part of your course.

Previous student projects include:

- Testing different feed rates for maximum growth in carp
- Mental health in the vet nursing profession
- Effect of anaesthetic warming aids
- Use of nurse consults in general practice
- Comparisons of pre-medication use for routine surgery
- Recovery times for laparoscopic spays
- Effect of suture material on wound healing for routine surgery

FITNESS TO PRACTICE

Applicants for registration must demonstrate their fitness to practice through their conduct, health and performance.

The Royal College of Veterinary Surgeons' Code of Professional Conduct for Veterinary Nurses 2012 details the 'fitness to practice' requirements for Veterinary Nurses.

Professional Responsibilities 3.1 states that Veterinary Nurses must take reasonable steps to address adverse physical or mental health or performance that could impair fitness to practice; or, that results in harm, or a risk of harm, to animal health or welfare, public health or the public interest.

FdSc (Foundation Degree)

Veterinary Nursing Science

Duration:
Three years full-time

UCAS Code:
D311

Tutor:
Jo Bond
BSc (Hons), Dip AVN, RVN, DTLLS, FHEA

Head of Centre:
Emma Anscombe-Skirrow
MSc, BSc (Hons), RVN Cert Ex, DTLLS, FHEA

Validated by:

UNIVERSITY OF PORTSMOUTH

TEF Gold Teaching Excellence Framework

Combine real world experience and valuable theory

- Three year full-time FdSc programme designed to meet RCVS Day One Competencies and Day One Skills for Veterinary Nurses
- 1,800 hours on clinical placement, working in collaboration with over 50 local registered training veterinary practices
- Build vital industry experience through handling skills, clinical skill development, extensive work placements and strong links with industry
- Be eligible to register as a veterinary nurse upon graduation with excellent rates of employment

What will I learn?

The programme is designed to equip you for the veterinary industry, studying in a supportive environment with industry professionals. Throughout the course you will be taught a wide range of science based subjects, vital in developing your knowledge of companion animal nursing within diverse topics including anatomy and physiology, analytical techniques, professional skills of the veterinary nurse, anaesthesia, pharmacology and animal behaviour. You will learn through a combination of formal lectures, laboratory sessions, animal handling and clinical practicals, along with guided and independent study.

Work placements are key to your professional development and benefit from the University Centre's strong links to diverse organisations within the veterinary and animal professions. To meet RCVS clinical placement requirements you will spend a minimum of 1,800 hours in veterinary practice in a year placement.

We also offer students the chance to participate in optional overseas study tours including the Shamwari Conservation Experience in South Africa and a turtle conservation trip to Costa Rica.

How will I be assessed?

A wide range of assessment methods are used including written coursework, presentations, practical examinations and traditional written examinations. While you are working within the clinical environment, your progress will be monitored with practical competency assessments, designed to assess RCVS Day One Competencies and Day One Skills for Veterinary Nurses.

Where can I go from here?

Veterinary nursing is a diverse and satisfying career with many opportunities for registered veterinary nurses.

Following graduation, you will be able to work as a RVN within the companion animal profession in general practice. Students completing the FdSc are also given the opportunity to continue their studies for a final year in a wide range of related BSc top-up courses including BSc (Hons) Applied Animal Science, BSc (Hons) Applied Animal Behaviour or BSc (Hons) Zoo Biology, all of which are offered by University Centre Sparsholt.

The veterinary industry also presents increasing opportunities for veterinary nurses to work within patient rehabilitation, specialised referral hospitals, equine practice, the pharmaceutical industry, zoological/wildlife parks and in education.

Modules covered

LEVEL 4

- Analytical and Diagnostic Techniques
- Animal Husbandry, Inheritance and Disease
- Functional Anatomy
- Industrial Experience
- Practice Organisation and Personal Development Planning
- Principles of Veterinary Nursing

LEVEL 5

Level 5 modules will be taught during the course of year two and three.

- Application of Veterinary Nursing Care
- Diagnostic Imaging
- Surgical Theatre Practice and Anaesthesia
- Pharmacology
- Veterinary Nursing Work Practice
- Animal Behaviour
- Applied Industrial Research
- Recent Advances in Animal Health

Entry requirements

A Level

Three A Level passes, including two at grade C or above one of which should be in a life science

BTEC National Ext. Diploma

DMM

City & Guilds Advanced Technical Ext. Diploma (1080)

DMM in an appropriate pathway

BTEC National Diploma

N/A

City & Guilds Advanced Technical Ext. Diploma (720)

N/A

Access to HE

A merit profile in a relevant Access course with 45 credits at Level 3 with science units at merit

International Baccalaureate

25 points with HL Biology at 4. Good grades in MYP English, maths and science

Plus five GCSEs at 4/C or above, including maths, English and science

Two weeks' work experience in a Veterinary Surgery

Wildlife Ecology and Conservation

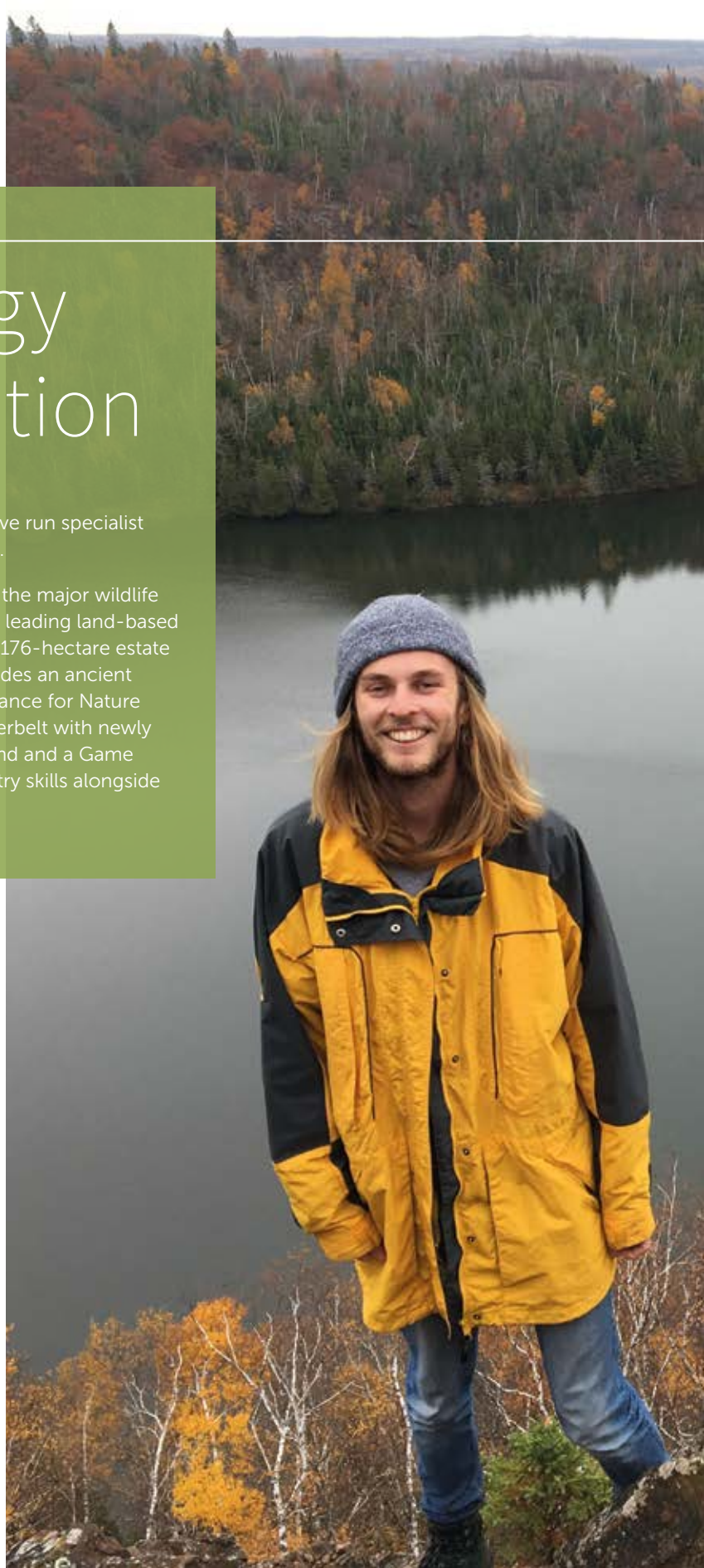
We have an enviable reputation for our work as we have run specialist Wildlife Ecology and Conservation courses since 1973.

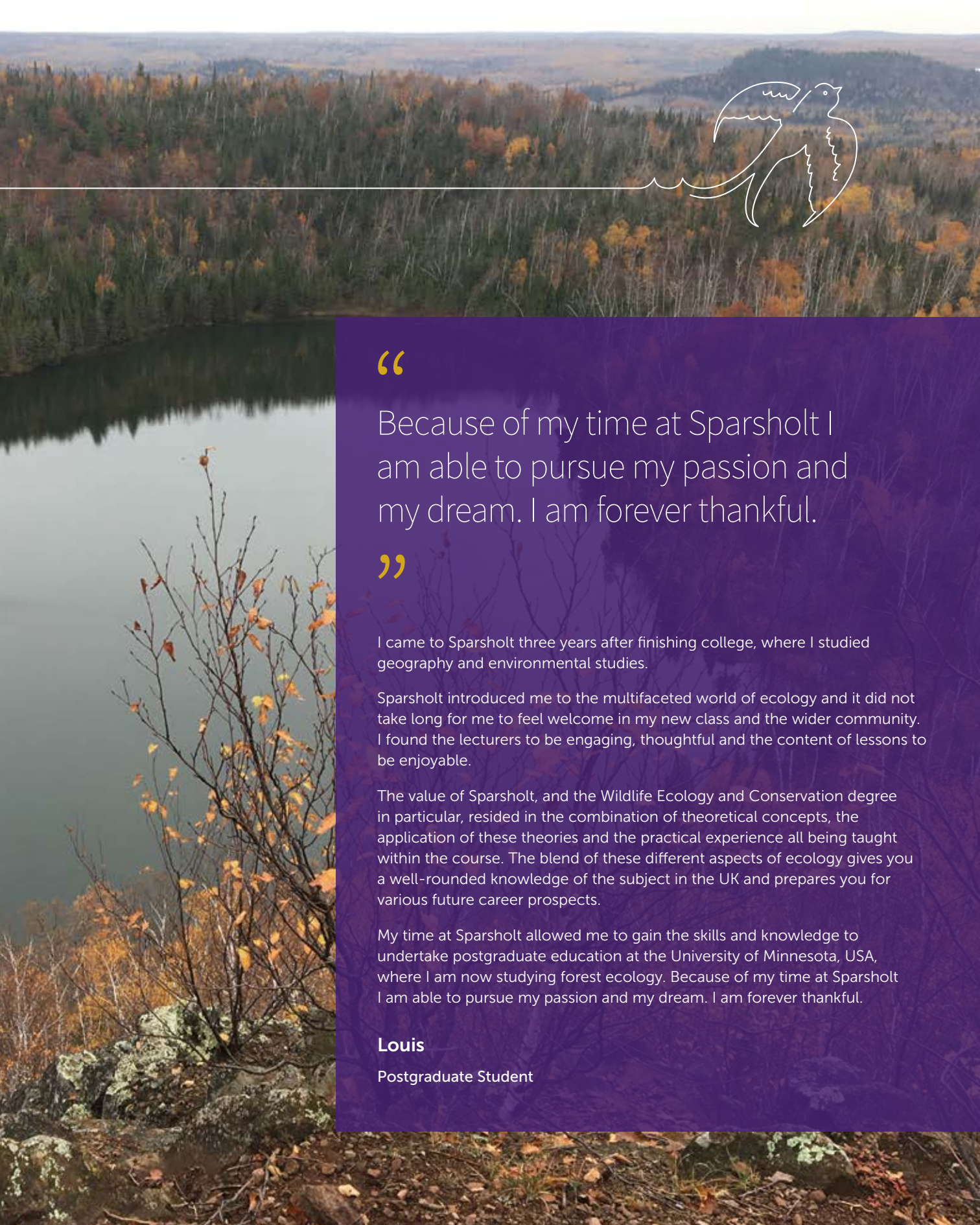
The department has close working links with many of the major wildlife and conservation organisations and is recognised as a leading land-based institution in this field. Students benefit from our own 176-hectare estate that provides a managed rural environment. This includes an ancient semi-natural woodland designated as a Site of Importance for Nature Conservation, a lake with reed-bed, a woodland shelterbelt with newly established woodland, recreated semi-natural grassland and a Game and Wildlife Centre that gives students practical industry skills alongside theoretical knowledge.

FdSc Wildlife Ecology and Conservation
Two years full-time

BSc (Hons) Wildlife Ecology and Conservation
Three years full-time
Top-up: one year full-time

100% of graduates
would recommend this course to other people (HE Student Summer Survery 2019)





> “Because of my time at Sparsholt I am able to pursue my passion and my dream. I am forever thankful.”

I came to Sparsholt three years after finishing college, where I studied geography and environmental studies.

Sparsholt introduced me to the multifaceted world of ecology and it did not take long for me to feel welcome in my new class and the wider community. I found the lecturers to be engaging, thoughtful and the content of lessons to be enjoyable.

The value of Sparsholt, and the Wildlife Ecology and Conservation degree in particular, resided in the combination of theoretical concepts, the application of these theories and the practical experience all being taught within the course. The blend of these different aspects of ecology gives you a well-rounded knowledge of the subject in the UK and prepares you for various future career prospects.

My time at Sparsholt allowed me to gain the skills and knowledge to undertake postgraduate education at the University of Minnesota, USA, where I am now studying forest ecology. Because of my time at Sparsholt I am able to pursue my passion and my dream. I am forever thankful.

Louis

Postgraduate Student

Employability and industry links

Our tutors have practical experience and qualifications relevant to their particular specialism as well as staying actively involved in the study and management of ecology, wildlife, conservation, game and the countryside. Their contacts and experience will open the doors to your career in the ecology industry.

We have also established close links with a range of landowners and conservation organisations throughout the country and have unprecedented access to a wide variety of sites, so that students can experience a diversity of wildlife, habitats and their management first hand. Site visits and presentations given by visiting speakers with specific expertise are integrated into our courses, giving you a valuable insight into the industry before you join it.

We work with organisations such as:

- Natural England
- Game & Wildlife Conservation Trust
- Hampshire County Council
- The National Trust
- RSPB
- The Wildlife Trusts
- Farming & Wildlife Advisory Group (FWAG)
- Forestry Commission
- National Biodiversity Network – University Centre Sparsholt is the NBN's First Academic Corporate Sponsor
- A number of commercial Ecological Consultancies
- People's Trust for Endangered Species (PTES)

Find out more about accommodation at UCS on page 16

Join the experts

Dr Claire Cresswell

PhD, MSc, BSc (Hons)

- Specialist research interests include agricultural ecology, plant-invertebrate interactions, water quality protection, avian behavioural ecology and monitoring
- Holds a BSc (Hons) in Animal Science and an MSc in Wildlife Management and Conservation from University of Reading
- PhD from Harper Adams University investigated the role of multifunctional field margin vegetative strips for the support of ecosystem services
- Licensed and active BTO bird ringer

Follow Claire on Twitter:
@ClairesTaiao

Andrew Quayle

PGCE, BSc (Hons), FHEA

- Lifelong conservationist and field naturalist, with a specialist interest in reptiles and amphibians
- Worked as a Research Technician in vertebrate and bacterial genetics at the University of Leicester, Conservation Officer for Leicestershire and Rutland Wildlife Trust and in commercial consultancy as an ecologist
- Holds a BSc (Hons) in Zoology from the University of Manchester

Nicola Edwards

MSc, PGCE, BSc (Hons), SFHEA

- Holds a BSc (Hons) in Wildlife Conservation and an MSc in Environmental Management for Agriculture as well as qualifications in teaching, applied biology and veterinary nursing. Varied experience including work on conservation management and wildlife rescue projects
- Teaches academic skills and science as well as a range of ecological topics
- External Examiner working with several universities to verify assessment on animal science and conservation degrees

Follow Nicola on Twitter:
@NicolaEcol

> “The blend of these different aspects of ecology gives you a well-rounded knowledge of the subject in the UK and prepares you for various future career prospects.”

Facilities

176-HECTARE ESTATE

Recreated semi-natural **grassland** with **chalk scrape habitat**.

Conservation management plans and wildlife-focused habitats.

Woodland shelterbelt with established woodland and recreated semi-natural grassland.

NEW FOR 2020

Development of specialist native species habitat to begin a captive breeding programme for the critically endangered Hazel Dormice.

One-hectare lake with reed-bed habitats and an establishing population of threatened White-clawed crayfish.

A park herd of **Sika deer**.

Wide range of species recorded on site including **Slow worms**, **Common lizard**, **Small blue butterfly**, **Common blue butterfly**, **White-clawed crayfish**, **Marsh tit**, **Goldcrest** and ancient woodland indicators such as **Solomon's seal** and **Ramsons**.

Game and Wildlife Centre resources the development of practical industry skills.

ENVIRONMENT

Managed rural environment including semi-natural ancient woodland designated as a Site of Importance for Nature Conservation.

RESEARCH

Use our extensive facilities as you get involved in research projects such as:

- Long term UK Butterfly Monitoring Scheme
- The effectiveness of baited tracking tubes to detect the presence of Dormice (*Muscardinus avellanarius*)
- Ongoing capture mark and release to monitor local bird populations on site

HABITAT

Easy access to a wide range of designated areas and habitats including:

- New Forest
- Lowland heath
- Chalk downland
- Ancient woodland
- Chalk streams
- Diverse coastal habitats

>> FdSc (Foundation Degree)

Wildlife Ecology and Conservation

Duration:
Two years full-time

UCAS Code:
C18M

Tutors:
Dr Claire Cresswell PhD, MSc, BSc (Hons)
Andrew Quayle PGCE, BSc (Hons), FHEA
Nicola Edwards MSc, PGCE, BSc (Hons), SFHEA

An integrated programme with the potential to progress to a top-up year

- To gain the skills the industry needs (both academic and practical) through work-related learning
- Expert lecturers with local and national links sharing current industry contacts
- Choose to progress on to a BSc Top-up course to continue your studies after successful completion

What will I learn?

The programme brings a scientific approach to the management of plant and animal communities through investigation of ecological and scientific concepts. You will also explore legislative, financial and planning processes to gain a truly integrated understanding of wildlife conservation. Identification, sampling and monitoring of wildlife and sites is applied and supported by field trips each year.

Our strong links with landowners mean you will enjoy access to a wide range of sites as well as University Centre Sparsholt's own excellent resources.

Work-related learning is key, so you will also gain practical experience and contacts with a variety of organisations through visits, guest speakers, annual work placements and study tours.

Validated by:

UNIVERSITY OF PORTSMOUTH

TEF Gold Teaching Excellence Framework

How will I be assessed?

Final and in-session assessment will allow you to develop research and study skills as well as technical and expert knowledge.

Assessments include written assignments, presentations, project and lab reports, practical based and online portfolios and examinations.

Where can I go from here?

You can continue your studies with our BSc (Hons) Top-up programme, or enter industry. Many of our graduates use their skills to start a business or to work in wildlife conservation or consultancy with NGOs (Non-Government Organisations) such as The Wildlife Trusts or government bodies such as Natural England.

Modules covered

LEVEL 4

- Global Ecosystems
- Fundamentals of Science
- Industrial Experience
- Habitat and Species Identification
- Academic Skills
- Introductory Ecology

LEVEL 5

- Conservation Legislation and Policy
- Applied Industrial Research
- Conservation Land Management
- Applied Ecology
- Field Ecology Techniques
- Industrial Development

Entry requirements

A Level

Two A Level passes including one at grade C or above in a science

BTEC National Ext. Diploma

MMP

City & Guilds Advanced Technical Ext. Diploma (1080)

MMP

BTEC National Diploma

MM

City & Guilds Advanced Technical Ext. Diploma (720)

MM

Access to HE

A satisfactory pass in a relevant Access course with 45 credits at Level 3 with science units at merit

International Baccalaureate

Appropriate IB certificates considered

Plus GCSE maths and English at grade 4/C or above, or Level 2 Functional Skills in maths and English

>> BSc (Hons)

Wildlife Ecology and Conservation

Duration:

Three years full-time

One year BSc Top-up also available

UCAS Code:

Full-time C185
Top-up C184

Tutors:

Dr Claire Cresswell PhD, MSc, BSc (Hons)

Andrew Quayle PGCE, BSc (Hons), FHEA

Nicola Edwards MSc, PGCE, BSc (Hons), SFHEA

Gain scientific expertise in our diverse landscape

- Excellent reputation, close links with landowners and unprecedented access to a wide variety of sites
- Learn on the 176-hectare College estate with an active conservation management plan and a varied managed rural environment
- Develop ecological expertise through research, surveying and data collection, and conservation management planning

What will I learn?

The course applies a scientific approach to natural resource management, wildlife conservation and sustainability, with an overall theme of applied ecological science. You will develop the skills to analyse and monitor diverse ecosystems in the field and design and effectively implement management plans for wildlife conservation.

Our strong links with landowners mean you will enjoy access to a wide range of sites as well as University Centre Sparsholt's own excellent resources. You will gain practical experience and contacts with a variety of organisations through site visits, guest speakers, annual work placements and study tours.

Validated by:

UNIVERSITY OF PORTSMOUTH

TEF Gold Teaching Excellence Framework

How will I be assessed?

Final and in-session assessments feature in this programme, allowing you to develop research and study skills as well as technical and expert knowledge. Assessments include completion of a research dissertation, written assignments, presentations, project reports, practical based and online portfolios and examinations.

Where can I go from here?

You can progress onto postgraduate study, gain employment with conservation organisations or use your skills to run your own business. Sparsholt graduates now hold positions in wildlife conservation and consultancy, with government bodies such as Natural England and with NGOs (Non-Governmental Organisations) such as the RSPB.

Modules covered

LEVEL 4

- Global Ecosystems
- Science Foundations
- Industrial Experience
- Habitat and Species Identification
- Introductory Ecology
- Academic Skills

LEVEL 5

- Conservation Legislation and Policy
- Industrial Development
- Conservation Land Management
- Field Ecology Techniques
- Statistics and Research Methods
- Applied Ecology

LEVEL 6

- Dissertation
- Landscape Ecology and Geographic Information Systems
- Sustainable Resource Management
- Project and Site Management
- Global Biodiversity
- Professional Industrial Development
- Further Statistics

Entry requirements

A Level

Three A Level passes including two at grade C or above. One grade C or above should be in a science

BTEC National Ext. Diploma

DMM

City & Guilds Advanced Technical Ext. Diploma (1080)

DMM

BTEC National Diploma

N/A

City & Guilds Advanced Technical Ext. Diploma (720)

N/A

Access to HE

A merit profile in a relevant Access course with 45 credits at Level 3 with science units at merit

International Baccalaureate

24 points with HL science at 4

Plus GCSE maths and English at grade 4/C or above, or Level 2 Functional Skills in maths and English


HIGHER EDUCATION

» How to apply

FULL-TIME UNDERGRADUATE COURSES FdSc | BSc and BSc Top-Ups

Apply through UCAS online at www.ucas.com

Institution code: S34

Once a conditional or unconditional offer has been made you will be invited to an Offer Holders' Welcome Day in Spring. You will experience 'a day in the life of' a UCS student by going to a sample lecture and taking part in a practical research session, all led by our expert team. You can also talk through your course choice in more detail and get answers for any questions you might have.

PART-TIME UNDERGRADUATE COURSES FdSc | BSc
ALL POSTGRADUATE COURSES MSc

Apply direct at www.sparsholt.ac.uk/university-centre

Once a conditional or unconditional offer is made you will also be invited to an Offer Holders' Welcome Day in Spring.

STUDENT FINANCE

England www.gov.uk/student-finance

Scotland www.saas.gov.uk

Wales www.studentfinancewales.co.uk

Northern Ireland www.studentfinanceni.co.uk

EU www.gov.uk/apply-for-student-finance

INTERNATIONAL STUDENTS

Please visit our website for further details. You may need a visa to come to the UK to study, to check visit: www.gov.uk/check-uk-visa

» Finance and fees

The information provided here is for academic year 2020/21. Students are advised to confirm the situation at time of application by referring to the website or checking with the Admissions team, degree-enquiries@sparsholt.ac.uk

TUITION FEES

Full-time Higher Education Courses (commencing September 2021).

All undergraduate students are required to pay an annual tuition fee, however if you are a UK or EU undergraduate you are eligible for a student tuition fee loan to cover the cost of fees. The Government pays the tuition fee directly to UCS so no money passes through your bank account. You do not have to pay back the loan and interest until you are earning more than £25,725 a year. If you leave your course early you would need to repay a percentage of the tuition fee loan for that year.

Access to Higher Education (Land-based studies)

You can also apply for a tuition fee loan through an Advanced Learner Loan. Please visit **gov.uk/advanced-learner-loan** for further information.

Advanced Learner Loan

ANNUAL COURSE FEES FOR UK/EU STUDENTS

Full-time

Access to HE	**£5,197**
FdSc and BSc programmes (except FdSc Veterinary Nursing Science)	**£9,250**
FdSc Veterinary Nursing Science	**£6,600**
MSc programmes	**£6,700***

Part-time

BSc Top-up programmes	**£4,625**
MSc programmes	**£3,350***

*A 10% discount for Sparsholt students directly progressing.

ACCOMMODATION FEES

Sparsholt self-catering accommodation	**£4,732**
The University of Winchester Halls	**£5,615***

*subject to University of Winchester increase

INTERNATIONAL STUDENTS

If you have not lived in the European Union (including UK) for three years prior to the start of your course, you will have to pay international fees. If you are also not normally a resident in an EEA member state it is likely that you will need to apply for a student visa.

You must be over the age of 18 to study at University Centre Sparsholt and you must have a minimum IELTS score of 6. For further information about courses, applications, entry requirements, international fees and visas, please email **degree-enquiries@sparsholt.ac.uk**

ANNUAL COURSE FEES FOR INTERNATIONAL STUDENTS

Full-time

All courses (excluding MSc)	**£9,800**
FdSc Veterinary Nursing	**£7,100**
MSc programmes	**£6,950***

* A 10% discount applies for progressing Sparsholt students.

Please note fees for 2021 have not yet been set, the information above shows the fees for 2020 as a guide. The new fee schedule will be updated online at **sparsholt.ac.uk/university-centre**

» Additional costs

Estimated cost (as at Feb 2020)	Personal Protective Equipment (PPE) and course specific equipment	Printing posters	Additional trips, study tours and visits (the cost of compulsory trips, study tours and visits that link directly to assessment are covered by tuition fees)
AGRICULTURE	**£100** (basic)	**£30–£50**	**£200–£500** (optional UK/overseas field trips)
ANIMAL SCIENCE AND ZOO BIOLOGY	**£80**	**£30–£50**	**£2,500** (optional study tours overseas) **£600** (optional European study tour)
EQUESTRIAN SCIENCE AND PERFORMANCE MANAGEMENT	**£200** PPE **£100** University Centre Sparsholt Equine Centre Uniform (discount pack, items can be purchased separately from £20)	**£30–£50**	**£600** (optional international study tour) **£50** (optional off site visits not directly linked to assessment)
FISHERY, AQUACULTURE AND MARINE	**£100** (basic) **£400** (high quality)	**£30–£50**	**£200** (optional study tour overseas)
VETERINARY NURSING SCIENCE	**£130**	**£30–£50**	**£2,000** (optional study tour overseas)
WILDLIFE ECOLOGY AND CONSERVATION	**£100** (basic)	**£30–£50**	**£200–£500** (optional UK/overseas field trips)

» Financial support

MAINTENANCE LOANS FOR UNDERGRADUATE STUDENTS

There is a maintenance loan available to help with living costs such as rent. This does have to be repaid but not until your course has finished and you are earning more than £25,725 a year. UCS is required to confirm your attendance/enrolment with the Student Loan Company before Maintenance loans can be released – so any payments will be received roughly a week after enrolment.

Find out more about how much you may be entitled to by visiting **gov.uk/studentfinance** where there is a calculator you can use to check your eligibility.

POSTGRADUATE LOANS

If you're starting a postgraduate course you could be entitled to a government backed loan of up to £10,609 for the whole course. To find out if you're eligible for this loan, please visit **gov.uk/funding-for-postgraduate-study**

ENHANCED LEARNING CREDITS

University Centre Sparsholt is an Approved Learning Provider for the Ministry of Defence's Enhanced Learning Credits (ELC) scheme. Under this scheme the MOD will pay up to 80% of your tuition fees for study at Level 3 or above for up to three years (NVQ3, Advanced National Certificate or Foundation Degrees).

UNIVERSITY CENTRE SPARSHOLT BURSARY

If your household income is under £32,960 you could receive a bursary of up to £750. This can be used to help towards travel cost, books and equipment or anything else that will help you during your course. Once you have enrolled you will be able to collect an application form for this from Student Services – please fill this in so we can look at your circumstances and help wherever possible. Additionally, bursaries of £200–£3,000 will also be available for students from a range of under-represented backgrounds.

RECOGNITION OF PRIOR LEARNING (RPL) OR ACCREDITATION OF PRIOR LEARNING (APL)

If you have work experience or previous qualifications relevant to your chosen course, or even experience gained through volunteering or a hobby, you may be entitled to an exemption from part of your course allowing you to complete your programme more quickly.

If you feel that this is relevant to you and you would like to apply for this accreditation, you will need to discuss your previous experience and qualifications with a tutor at the interview stage. The tutor will then be able to evaluate your previous experience and the extent of likely accreditation. All RPL or APL must be agreed and validated by the University of Portsmouth before your course commences.

» Transport

Students travel to UCS from across the region, so we aim to make the journey as easy and cost effective as possible. Whether you're getting the train from Southampton, Eastleigh, Totton or Basingstoke or the bus from across Hampshire and the county borders, we'll help you find the best way to get here.

Please check the map on the next page for your nearest location. If you need further information please contact our Transport team on **01962 797346** or visit **sparsholt.ac.uk/university-centre/transport**

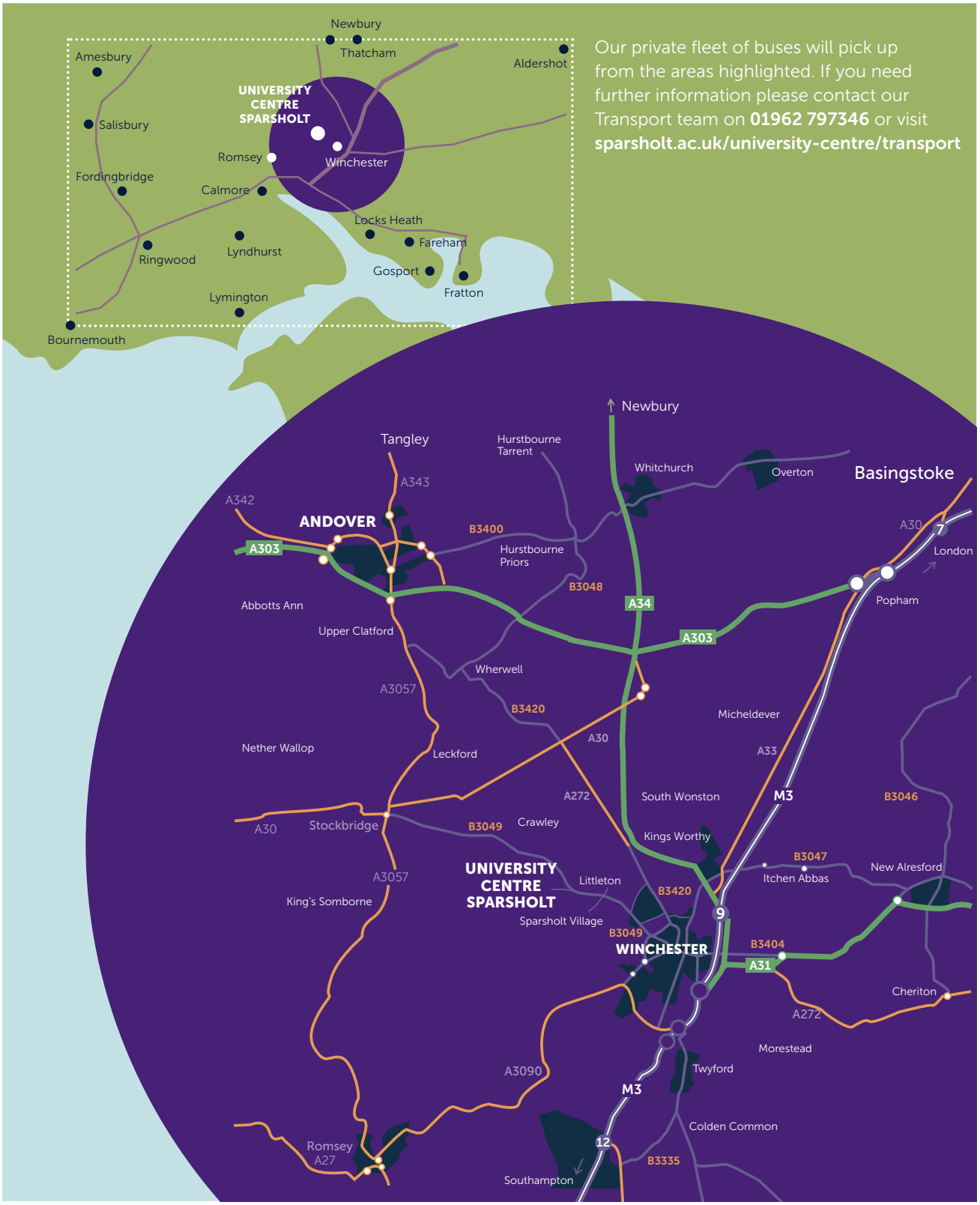
We offer a range of options including campus bus travel, which is our private fleet of buses that will pick up from the areas detailed in the map on the next page. For those not on the campus bus routes, there are public transport options with train and connecting buses straight to campus.

Payment for bus passes can be spread over 9 months at no extra cost. An initial deposit payment is required on application.

PARKING

If you prefer to bring your car to UCS, student parking is available free of charge on-site. Parking is limited and is chargeable at University of Winchester Halls of Residence so students living there may find it easier to park their cars here at UCS and use public transport in the week, collecting their cars at the weekend.

» How to find us



» Index

Designed by **oysterdesign.co.uk**

Open events

UNIVERSITY CENTRE SPARSHOLT

Saturday 7 March 2020 10am–2pm

Wednesday 1 April 2020 4–7pm

Thursday 18 June 2020 4–7pm

Thursday 9 July 2020 3–7pm

Saturday 10 October 2020 10am–2pm

Saturday 14 November 2020 10am–2pm

Saturday 6 February 2021 10am–2pm

Saturday 6 March 2021 10am–2pm

Wednesday 21 April 2021 4–7pm

Thursday 17 June 2021 4–7pm

Thursday 8 July 2021 3–7pm

Sparsholt, Winchester
Hampshire SO21 2NF

01962 776441
sparsholt.ac.uk

An Associate College of

UNIVERSITY OF PORTSMOUTH

QAA
UK Quality Assured

TEF Gold