

STEP INTO OUR WORLD

Postgraduate Prospectus



Harper Adams
University





THE STORY BEHIND OUR COVER

Harper Adams is one of very few universities to have its own successful commercial farm and woodland on campus, within easy walking distance of specialist facilities and resources. Students can see theory in action, be taught literally in the field, carry out experiments, conduct field trials, and then analyse their own samples in our ever-expanding laboratory complex, within a vibrant research and teaching environment – and all without leaving the campus. Our cover stars are PhD students Emily Smith and William Watts, whose work informs a curriculum shaped by research and industry to help students realise their potential.



> harper.ac.uk/emily-smith

> harper.ac.uk/william-watts



Visit us

> harper.ac.uk/events

"It is a source of great pride that this university, which has done such wonderful work over the years, is now increasingly recognised as one of the world's leading research and teaching universities."

*Greg Clark, MP
Minister for Universities,
Science and Cities.*

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Taught postgraduate courses, admissions, entry requirements and applications

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COURSES

A full list of current taught postgraduate courses can be found at the back of this prospectus.



Who better to tell you about postgraduate study at Harper Adams than our own students? Just look for this symbol throughout the prospectus for student and graduate stories, with links to more online

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WELCOME TO HARPER ADAMS UNIVERSITY

The UK's leading university for the agri-food chain and rural sector



When we speak to industry representatives it is clear that they are increasingly looking for some way to identify highly skilled people who have the potential to become future leaders in their sectors. We firmly believe that a postgraduate qualification can help strengthen that potential, as well as identifying you as someone who is prepared to study further, and learn more, to deepen your understanding of the world around you and the contribution you can make to your chosen employer.

Postgraduate study is not an easy option, especially if you happen to be taking a course while you are working, but the benefits are many and varied. It will increase your expertise; it could open up new career options for those looking for their first job, or allow you to change direction and try something new; and it is likely to provide you with a strong network of like-minded specialists who will become friends for life.

Studying at Harper Adams University will bring you into contact with our expert staff but also with contributors from industry, and other fields, who will help translate some of the theory you will learn into

practical applications. This is just what our founder, Thomas Harper Adams, had in mind when he created this institution to provide 'practical and theoretical education', and it is what we have been delivering since 1901.

If you are considering studying at postgraduate level, or simply looking at options for the future, then we very much hope that you find the information in this prospectus helpful. And if you want to know anything more about the University, or the courses that we offer, please do not hesitate to get in touch or visit us at one of our Postgraduate Open Days: see

➤ harper.ac.uk/events

We look forward to welcoming you to Harper Adams University and we wish you the best of luck in your postgraduate studies.

***Dr David Llewellyn**
Vice-Chancellor*



TEACHING AND LEARNING



Professor Simon Leather

› harper.ac.uk/leather

OUTSTANDING TEACHING

Harper Adams University has a long and distinguished history as the UK's leading specialist in higher education for agriculture and the wider land-based and rural industries. It is our mission to equip graduates to develop and steer a sustainable food chain and rural economy for the future. Excellent teaching and facilities, internationally recognised research and strong links with industry and professional bodies are our trademarks. In this unique academic community we create and share the knowledge and expertise to enlighten and develop minds, solve problems, enhance lives and create opportunities. Harper Adams is providing the higher level skills needed to shape the future, and help you to fulfil your personal aspirations.

In its most recent review¹ the Quality Assurance Agency expressed 'confidence' (the best possible result) in our courses and standards, especially the way we work with employers to develop the curriculum, and how we support your learning.

Applied research and meeting the needs of students and industry are central to our postgraduate taught courses. You will be taught by highly qualified, supportive lecturers active

in research, industry and academia. Informed by research and business, our range of highly specialised courses is constantly developing and expanding. Students are also able to create a more bespoke degree combining research with taught modules.

Our postgraduate courses are highly applied and careers-focused and aim to significantly enhance your theoretical knowledge and practical skills through inspiring, topical and applied teaching.

¹See the report for yourself at

➤ www.qaa.ac.uk

➤ Below / The main campus building



WHY STUDY AT HARPER ADAMS UNIVERSITY?

MORE THAN

110

YEARS OF
**DELIVERING HIGH
QUALITY** LAND-
BASED HIGHER
EDUCATION

100%

ALL RESEARCH CONDUCTED BY
HARPER ADAMS IS OF INTERNATIONAL
QUALITY AND **MORE THAN 50 PER
CENT** IS EITHER WORLD LEADING OR
INTERNATIONALLY EXCELLENT^Ø

96%

OUTSTANDING CAREER
OPPORTUNITIES WITH **MORE THAN
96% OF GRADUATES EMPLOYED
OR IN FURTHER STUDY SIX
MONTHS AFTER GRADUATING**^Ω

MORE THAN
£20m

INVESTED IN THE
CAMPUS IN THE
LAST DECADE

WE ARE THE **LEADING
UNIVERSITY** IN THE COUNTRY
FOR RURAL AND LAND-BASED
HIGHER EDUCATION

no. 1

700

WE WORK WITH **MORE THAN
700 BUSINESSES** TO DELIVER,
DEVELOP AND DRIVE
FORWARD HIGHER SKILLS

HIGHLY APPLIED DEGREES
PROVIDE BOTH VOCATIONAL
SKILLS AND ACADEMIC RIGOUR

✓



**THE LEADING UK
PROVIDER** OF
POSTGRADUATE
ENTOMOLOGY DEGREES



A RURAL CAMPUS
WITH A **SUPPORTIVE
ENVIRONMENT**



ONE OF THE **TOP
SIX UNIVERSITIES**
OF THE YEAR*



**HIGHLY QUALIFIED
AND EXPERIENCED**
TEACHING STAFF

**THIS UNIQUE UNIVERSITY HAS
A LONGSTANDING REPUTATION
FOR EXCELLENCE**

* Times Higher Education Awards 2014,
Ω HESA, 2014,
Ø Research Excellence Framework, 2014



"Studying at Harper Adams has enabled me to gain new insights into how the world works and new perspectives into how people involved in the industry think."

Entrepreneur Fujin Liow, from Malaysia, (pictured) studied MSc Entomology. Harper Adams is the UK's leading provider of postgraduate entomology courses.

REASONS TO STUDY AT POSTGRADUATE LEVEL



"Harper Adams is unique. It has an excellent reputation, industry links, sense of community, excellent standard of teaching and tutor support, not to mention being leaders in research."

Christina Rowlands MSc Rural Estate and Land Management

EXPLORE THE SUBJECTS YOU ARE PASSIONATE ABOUT



POSTGRADUATE STUDY SHOWS COMMITMENT AND THE ABILITY TO LEARN NEW SKILLS AND IDEAS



MAKE NEW DISCOVERIES



CHANGE CAREER DIRECTION



INCREASE YOUR EARNING POTENTIAL. STUDIES SHOW THAT MOST POSTGRADUATES EARN MORE THAN UNDERGRADUATES OVER THEIR CAREERS



WIDEN YOUR NETWORK OF CONTACTS



DEVELOP EXPERTISE IN YOUR FIELD



STUDY FLEXIBLY ALONGSIDE YOUR EXISTING JOB, YOUR ROLE AS A PARENT OR OTHER COMMITMENTS



SHARE KNOWLEDGE – TAKE WHAT YOU HAVE LEARNED BACK INTO YOUR WORKPLACE TO BENEFIT THE BUSINESS

CREATE THE BASIS FOR AN ACADEMIC CAREER
(RESEARCH DEGREE)

CARRY OUT YOUR OWN RESEARCH

CAREER DEVELOPMENT

GAIN A MORE IN-DEPTH **INSIGHT** INTO INDUSTRY



CLAIRE CIANCHI



MSc Sustainable Agriculture

Claire Cianihi, from Herefordshire, England, is studying MSc Sustainable Agriculture full time, and lives in the local town, Newport. Originally an assistant brand manager she decided to study for a higher degree to give her an overview of the agricultural sector and to enhance her career opportunities within it. She has a scholarship from the Elizabeth Creak charitable trust.

"One of the most important things for me was that Harper Adams has a farm on site, which allows teaching to take place both in and out of the classrooms. I love that we can have a lecture on oil seed rape in the morning and then spend the afternoon in the field acting as an agronomist – it really puts what you're learning into a real-life perspective.

"There is so much more to the university than its courses, including farm sessions, opportunities to take part in land-based qualifications and of course the social aspect. I feel that when I finish my course I won't just have gained an MSc, but my practical knowledge and understanding, my employability in the agricultural sector and confidence will all have benefited from the many extracurricular activities on offer.

"Harper Adams has given me the opportunity to gain experience in many different types of industries, including dairy, pigs, sheep, arable, and so on. As well as practical experience the knowledge and industry connections of our lecturers will be very helpful in our future careers.

"What's more, the course structure has given me the flexibility to undertake paid work when required to help fund my course."

"A postgraduate qualification has allowed me to specialise in an area that I love. I would definitely recommend postgraduate study at Harper Adams because you will be coming to a place where every lecturer knows your name, is an expert in their subject area and is always willing to help you achieve your potential."

ACADEMIC DEPARTMENTS

Five academic schools based on Harper Adams' Shropshire campus provide an extensive range of taught postgraduate modules.

Animal Production, Welfare and Veterinary Sciences Department

The department is staffed by veterinary surgeons, veterinary nurses, and animal scientists who are focussed on teaching and research in the areas of animal science, husbandry and health; and veterinary nursing, pharmacy and physiotherapy. They are well supported by laboratory and farm-based technical staff with a wealth of experience and hands-on skills. The department contributes to a wide range of postgraduate programme areas, but plays a key role in the delivery of animal-related and agriculture courses.

Crop and Environment Sciences

Academic staff within this department lecture on many of the postgraduate courses and especially in the delivery of the agriculture, crop, countryside and land management awards. A wide range of expertise includes crop protection, crop production, field vegetables, fresh produce, soil and plant nutrition, environmental management, sustainable technologies, climate change, forestry, wildlife and conservation. Highly active in research, much of the work carried out by the department is funded commercially.

Engineering

Engineering staff are focussed on teaching and researching the design, development and testing of off-highway vehicles, agricultural vehicles and agricultural machinery. Our academic staff are professional engineers with expertise across a range of specialisms including robotics, mechatronics in

agriculture and off-highway vehicles, off-highway vehicle stability control systems and mobility, automotive engineering, production line optimization, agricultural chemical application, CAD and 3D modelling. The department has strong relationships with some of the top names in engineering, including JCB, Claas, Jaguar Land Rover, CNH, BAE Systems, Niftylift, Terex, Bentley and John Deere.

Food Science and Agri-food Supply Chain Management

Staff expertise within this department encompasses a wide range of disciplines including food marketing, food business management, supply chain management, food policy, food ethics, food security, food microbiology and food science and technology. The department works extensively with the food industry providing a range of training, technical support, research, knowledge transfer and consultancy services.

The aim of postgraduate degrees in this field are to prepare students for careers across the food chain and to be managers and leaders of food businesses and the wider industry supporting the safe and sustainable supply of food to a growing worldwide population.

Land, Farm and Agri-business Management

This wide-ranging department is concerned with the economic, environmental and social sustainability of the countryside, including land use, care of the countryside, farm and rural business management



and environmental technologies. The department includes environmental scientists and practitioners who prepare students for the scientific, practical and social aspects of countryside management and natural landscape conservation. The department's work contributes to the continued commercial success of rural-based businesses and policy formation on rural affairs through both the micro-study of business units and the analysis of the wider economic environment.

The department is also responsible for a range of land and property management courses taught by professionals highly experienced in rural practice surveying, law, taxation, valuation, property and estate management and all other key areas of surveying practice. Staff work in close partnership with RICS (the Royal Institution of Chartered Surveyors) to increase the number of qualified professional surveyors and achieve excellence at all levels of education.

SUBJECTS AND LEVELS OF STUDY

Our main areas of study are:

- Agri-business
- Agriculture
- Agroecology
- Animal nutrition
- Animal-related
- Applied ecology
- Aquaculture
- Crops, soil and water
- Engineering
- Entomology
- Food
- Forestry
- Pest management
- Rural estate and land management
- Veterinary nursing, physiotherapy and pharmacy

A full list of current courses can be found on the inside back cover of this prospectus and on our website:



> harper.ac.uk/pg-courses

Levels of study available ➔

Postgraduate Certificate (PgC) / Postgraduate Diploma (PgD)

These qualifications are achievable in a shorter space of time and cost less than a full Masters degree, which suits some students who have limited time to study, are interested in a narrower range of modules, or do not need the full MSc for their career development. Many students who achieve the certificate carry on studying at diploma level, and then undertake the research project to achieve the MSc degree.

Master of Science (MSc) degree

MSc courses include a significant taught element, research project and dissertation; one third of the course will be research-based and two-thirds taught. The degree can be completed in 12 months full-time or up to five years part-time, though in practice most students qualify within two to three years.

Master of Research (MRes) degree

The MRes provides a larger research element than MSc programmes: two-thirds research and one-third taught. It provides training in how to become a researcher and can be a good stepping stone to those considering a PhD or a career in research.

Study level	Pass requirements	Duration (years)	
		Full time	Part time
Postgraduate Certificate (PgC)	60 credits	1	1-3
Postgraduate Diploma (PgD)	120 credits*	1	2-5
Master of Science (MSc)	120 credits + 60-credit research project	1	2-5
Master of Research (MRes)	60 credits + 120-credit research project	1-3	15 months to 4 years

*With the exception of the RICS-accredited PgD Rural Estate and Land Management, for which you will need 180 credits.

Progress through the levels

Although the Postgraduate Certificate is a valuable qualification in its own right many students go on to study for the higher level Postgraduate Diploma, and then to the full Masters degree.



INDUSTRY PARTNERS

Harper Adams University and business – a powerful partnership

Sharing knowledge and resources is vital for education and industry. We have well-established relationships with more than 700 businesses and professional bodies. Businesses we work with include: Frontier Agriculture, MMUK, Savills, Marks & Spencer, JCB, AMTRA, The National Trust and Syngenta.

How we work with industry

- Professional accreditation of taught degree courses
- Curricula informed by the needs of both students and industry
- Guest lectures from relevant businesses and organisations
- Study visits and field trips to study current and alternative practices
- Access to cutting edge technology and research within industry
- Creating valuable contacts and job opportunities
- Industry-sponsored student projects
- Student scholarships and bursaries
- Delivery of highly focused industry training
- Short professional courses to enhance employees skills, knowledge and qualifications
- Research opportunities

Industry postgraduate courses

Companies and their employees are able to access our teaching and resources through short courses, bespoke training, accreditation of in-house courses, and work-based learning at various levels including postgraduate qualifications. We have established partnerships with a range of diverse companies and professional bodies.

For instance, we provide several specialist vocational postgraduate courses to the food industry including Postgraduate Certificates, Postgraduate Diplomas and Masters degrees in Meat Business Management (supported by The Worshipful Company of Butchers), Dairy Business Management, Food Industry Management and Poultry Business Management. We also validate and deliver a PgC Food and Fresh Produce Management in conjunction with the Management Development Services (MDS) training programme.

The Animal Production, Welfare and Veterinary Sciences Department also offers a PgC in Small Animal Surgery, PgC in Small Animal Medicine, and Official Controls Qualification (Veterinary). These courses have been developed in partnership with Improve International and The European School of Veterinary Postgraduate Studies (ESVPS) to provide high quality Continuing Professional Development (CPD) courses to veterinary surgeons, nurses and practice managers.

➤ www.improveinternational.com/uk

➤ harper.ac.uk/mds2014

Professional short courses

Harper Adams University delivers a wide range of professional short courses tailored to suit the needs of individuals or companies.

➤ harper.ac.uk/short

➤ shortcourses@harper-adams.ac.uk

➤ +44 (0)1952 815 300



Marco Peerdeman

"I have already learnt a lot from my course. It has broadened my horizons and shown me a different perspective on things."

A Master Butcher with more than 20 years' experience, Marco Peerdeman is studying MSc Meat Business Management part-time, attending Harper Adams for week-long blocks four times a year. Originally from The Netherlands, Marco now lives and works in Greater London, running his own butchery and meat consultancy business, OrangeButcher Ltd.

"Postgraduate study is a good way to meet more people, learn and enhance your career possibilities and develop your personal and professional skills," he said.

Marco has also shared his skills and experience with the course's newest recruits, presenting a live butchery demonstration at the university.



Watch Marco's live demonstration here: harper.ac.uk/butcherydemo

FLEXIBLE STUDY



Part-time or full-time study

We recognise that our students come from a wide range of backgrounds with differing demands on their time. Studies show that more than half of UK students choose part-time postgraduate degrees. We have therefore developed our teaching to be accessible to both full-time and part-time learners. There are a large number of applied programmes available at Harper Adams that have been developed to support a specific career direction. Teaching is delivered in blocks, many materials can be accessed online through our portal, and most modules are assessed by assignments. Our library and IT departments recognise that many postgraduate students are part-time, and have set up their online systems to help you access them whilst off-campus. This enables part-time students the flexibility to balance their academic studies with paid work or other responsibilities and full-time students opportunity to gain work experience whilst they study. Our Postgraduate Diploma (PgD) and Master of Science (MSc) qualifications are completed within 12 months full-time or up to five years part-time, although most students take between two and three years.

Online learning

We have developed our online learning environment (the VLE or Learning Hub) to enhance the applied nature of most Harper Adams postgraduate courses. While much of your learning will be – as you would expect – hands-on and geared towards enhancing your applied skills, our virtual learning environment provides resources to complement your lectures, seminars, field visits and practicals, giving you a great combination of flexibility and support. Online resources can include: course materials, text and video materials, interactive exercises, and access to the library catalogue and online journals.



"The course structure was a benefit of the course as it allowed me to work part-time. Working alongside my studies allowed me to put what I had been taught in the classroom into practice in the workplace, and vice versa. The range of modules and the choice also allows you to tailor the course to your particular interests."

*James Neame,
MSc Rural Estate and Land Management*

LEARNING ON TAUGHT PROGRAMMES

Types of learning

You will learn through a variety of methods including classroom-based lectures and seminars, classes conducted on the university farm or other specialist facilities, study trips, guest lectures, group and individual work, and lab work.

Modules and block study

Full-time taught courses last one year and are delivered as a series of modules. Modules are typically worth 15 credits. This represents 150 hours of study time required to complete the module from start to finish. Each module is usually taught in either five or ten-day blocks, allowing considerable flexibility whether you are studying full or part-time. Most courses offered contain a number of optional modules enabling you to tailor your course to your precise requirements.

Assessment

You will be assessed largely by extensive coursework and some examinations.

Online learning

The virtual learning environment (VLE or Learning Hub) is central to postgraduate courses, with materials available online to support learning on many modules.

Course commencement

The majority of our full-time courses start in mid September although we will consider part-time applications at any point in the academic year depending on the course, your work experience and qualifications. Current courses beginning at different times of year include: Applied Mechatronics (February), Veterinary Pharmacy (January), Veterinary Physiotherapy (July) and Veterinary Nursing (a rolling 12-month programme).

Assessments and research projects

Assessment is mainly by written coursework and most assignments require the completion of applied real-world tasks relevant to your potential future career. However, some modules include written examinations. Tutor support is available via appointment, e-mail or telephone for the duration of the course. For the MSc, in consultation with a supervisor, students complete a Research Project on a topic of their own choice. You will be able to choose a topic of real interest for in-depth study which can be related to your current or future occupation where appropriate. Projects can be carried out in conjunction with industry or other research institutes. The situation is similar for students on the MRes route but their research component will be overseen and coordinated by a research professor.



Each course has a dedicated subject coordinator, an expert in their area who will be happy to offer advice.



CHARLES ROBINSON

MSc Forestry Management

SIMON STRINGER

Masters of Research (MRes)

Charles Robinson and Simon Stringer are both studying trees at postgraduate level but have taken very different approaches to the subject.

Charles, from Derbyshire, England, is studying MSc Forestry Management, part-time, whilst working full-time as a Woodland Management Officer with the National Forest Company, which is part funding his course. He has also worked for the Cotswolds Conservation Board as a Graduate Farm and Woodland Adviser, and for Natural England as a Land Management Adviser.

"I chose the course to continue my professional development in the forestry field. It will benefit my employment opportunities in the future, as well as helping my current role. It will also help me to apply for Professional Membership of the Institute of Chartered Foresters."

He has found the part-time format of attending university is "an ideal way to gain a MSc. The block teaching approach really appealed to me. I attend for four taught weeks per year; each week is a different module. The modules I've studied so far have involved field trips to forest sites to see forestry operations in action. This really helps to apply knowledge to the real world, and it's great to meet people in the industry."

"The teaching staff are great, as is the support you receive. The process couldn't have been easier and I would recommend it to anyone."

Simon, from Birmingham, England, has chosen a full-time Masters of Research (MRes) route, studying Trees in the Farmed Environment – funded through a Woodland Trust studentship. He also works part-time.

"When I visited the university on an open day, I really liked the feel to the campus – outdoor and spread out, surrounded by beautiful countryside and the associated tranquillity so I decided that was where I wanted to study my postgraduate course. When I saw the MRes Studentship advertised on jobs.ac.uk I really wanted it so I applied – and got it!

"I have my heart set on studying at PhD level but I didn't feel I was ready for that after my undergraduate degree and I wanted to gain more experience in research before moving onto the PhD level."

"Trees are possibly the second most important organism on earth (after earthworms). I really wanted to learn more about how forests are managed, and gain more research experience to show others just how important they are as well. The MRes provides both of those opportunities. The taught side is delivered by people already involved in the sector, and through the research side I will gain valuable advice from experienced people at both Harper Adams and The Woodland Trust."

2

RESEARCH



100%

of our research is of international quality®.

800%

There has been an 800% increase in the university's research income since 2008.

25,000

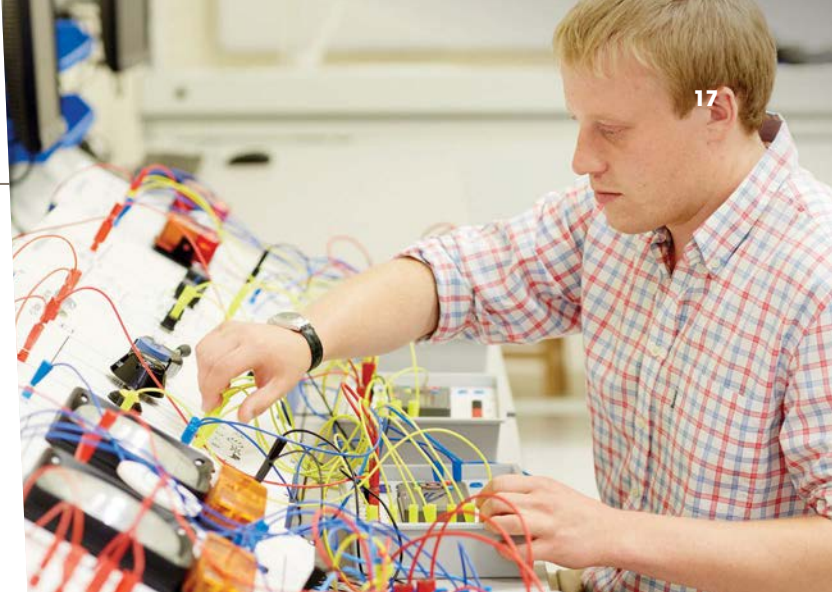
Our top ten professorial staff have around 25,000 citations from other scientists around the world.

We have a strong reputation for strategic applied research, with all of our work considered of international quality and more than 50 per cent either world leading or internationally excellent^o.

Research activity at Harper Adams University is wide ranging and has a positive and practical impact on rural industries and communities, at home and abroad. With sustainable food and energy production and addressing climate change increasingly important, getting research into the workplace where it can be used beneficially is vital. Research at Harper Adams University is highly strategic and applied, with particular emphasis on agriculture, food systems, precision farming, environment and energy, climate change, rural business and social enterprise.

Our active research community produces a large body of respected and influential work, which informs teaching on both undergraduate and postgraduate courses.

We have significantly increased our research active staff, including nine professorial appointments in areas such as agricultural engineering, entomology, soil science, sustainable energy and plant pathology, and recruiting a further 21 research active academic staff.



ROBERT FILLINGHAM



PhD researcher in Agricultural Engineering

Robert Fillingham, MEng Off Road Vehicle Design, from Shropshire, England, is a PhD researcher in Agricultural Engineering, researching the greenhouse gas emissions of grain harvesting systems. "This involves everything from planning and conducting field tests and driving machines during harvest through to presenting the findings of my work at international conferences and seminars.

"Working with other researchers is very stimulating but the best part for me is the fantastic opportunities currently available in the field of agricultural engineering. With an ever increasing population the agricultural industry has the overwhelming challenge of growing more food on not much more land using less water and agrochemicals than ever done before. As a researcher in agricultural engineering I am strongly motivated by this challenge and look forward to playing my part in finding the solution.

"In ten years' time I would like to be leading a group of researchers in the field of Agricultural Engineering and Precision Farming. My long term ambition is to gain more international experience and to help optimize the design of sustainable agricultural production systems for the future."

RESEARCH DEGREES

“Strategic and applied research underpins Harper Adams' mission to provide higher education for a sustainable food chain and rural economy. Our research and reach-out strategies are focused to meet the challenge of rural sustainability.”

*Professor Peter Mills,
Deputy Vice-Chancellor*

Key points

- Choice of one year (MRes), two year (MPhil) or three year (PhD) research degrees
- We have been awarding our own PhDs for two decades
- Excellent completion rates for higher degrees
- Accessible academic staff
- Excellent job prospects for PhD candidates in industry, government organisations and academia
- Rural location and collegiate atmosphere
- Unique facilities
- Fortnightly research seminar programme
- All PhD research students have their own office space and a dedicated computer.

Doctoral development programme

We recognise that research encompasses more than academic skills, and that research students are professionals training for a career that may be in an academic setting but could equally result in technical research work in industry, a specialist communication or policy development role, or a wide range of other opportunities. We therefore offer a Doctoral Development Programme (DDP) of individual training to support the diversity of our research students and their aims. For example, regular meetings with supervisors will establish time management and offer effective project planning, organisational strategies and team working. A range of further training is provided in communication and presentation skills, career planning and networking, research and writing skills, and relevant information technology.

Research students are also encouraged to consider development opportunities through external events and activities e.g. those offered by professional organisations and learned societies.

Funding and applications

Opportunities exist for PhD studies on full or part-time modes of study.

Applicants may be self-funded or we offer a number of studentships each year, and these are advertised on our e-Recruitment website. Sign up to our Vacancy Alert service to receive an email notification direct to your inbox whenever a new studentship/vacancy is advertised.

➤ jobs.harper-adams.ac.uk

Study level	Pass requirements	Average duration in years (maximum time for submission in brackets)	
		Full time	Part time
Master of Research (MRes)	60 credits + 120-credit research project	1-3 (3)	15 months to 4 years (4)
Master of Philosophy (MPhil)	Research project	15 months to 3 years (4)	2-4 (6)
Doctor of Philosophy (PhD)	Research project	2 – 3 (4)	3 – 5 (6)



FITTONIA ELGINA



PhD researcher

Fittonia Elgina, from Indonesia, is a current PhD student researching the development and evaluation of an on-farm cost-effective biosensor method for *Campylobacter* detection in poultry. *Campylobacter* is the most common cause of food poisoning in the UK, with around four in five cases originating from contaminated poultry.

➤ harper.ac.uk/fittonia



AYOOLA JONGBO



PhD researcher

Ayoola Jongbo, from Nigeria, is a PhD researcher working on modelling the influence of microclimate on behaviour, surface temperature and core body temperature of broilers. His study is sponsored by the Tertiary Education Trust Fund (TETFund) in Nigeria through the Federal University of Technology, where he also works as a lecturer.

"One of the biggest benefits of studying in UK is the accessibility to research materials. I enjoy the support received from Harper Adams staff most especially the international office."



STUDENT LIFE



1

Runner-up for
University of
the Year #

4

The UK's fourth
most welcoming
university \$

1

Voted number
one for student
support #

WhatUni Awards 2015
\$ YouthSight 2014

Your support network

The postgraduate, international and financial support teams work with Student Services to help postgraduate students settle into life at Harper Adams and address any problems or queries you may have, from finding accommodation to visas and finance.

Two friendly, full-time staff live on campus and are responsible for Student Services and welfare. They are assisted by a team of undergraduate student wardens, who live in halls of residence, including the self-catering halls where postgraduate and international students usually live. The team is based within the Faccenda building, where you can find a range of staff dedicated to help you from day to day.

Academic support

For academic concerns your course tutors, postgraduate programmes manager and taught courses officer will be your first port of call. Library and IT staff are also happy to help.

Medical services

A local medical practice has a clinic on campus at Harper Adams and holds daily sessions, on weekdays, to ensure students receive medical support when needed.

Support

We have a qualified BACP registered Counsellor and a Mental Health and Welfare Adviser who provide a drop-in service for students as well as appointments throughout the week, by prior arrangement. Their aim is to provide professional, accessible and confidential support to students who experience emotional or psychological problems which may affect their personal lives or academic performance.

Faith

Whatever your faith you will find a place of worship and a congregation within travelling distance of the campus. There is a quiet room on campus for anyone to use for prayer or reflection. Harper Adams students enjoy close support from a group of chaplains. Christian staff and students have their own society (which welcomes members of all faiths) and provided there is enough support you may be able to set one up for your own particular faith.

Supporting students with disabilities

We welcome applications from students with disabilities and are committed to ensuring you will be able to participate in all aspects of the academic and social life here.

We provide an integrated service for people with a range of disabilities and aim to create a supportive environment, constantly striving to improve services and progress towards a fully inclusive environment.

All students are sent a Learner Support Self-Assessment form to complete before they arrive. Students are advised to return this, indicating any disability or support needs. On arrival, any student who has notified us of a disability or specific learning difficulty will be invited to meet a member of the Learner Support Team, when individual needs can be discussed and appropriate provision made. If you have a specific learning difficulty (i.e. dyslexia) or a disability, you can make an appointment to discuss the support available to you.

The campus is being constantly updated to increase ease of use. Two of our halls of residence currently have lifts, and several en-suite rooms have been built specifically to accommodate wheelchair users. We are keen to meet the needs of disabled students who may require modifications in their room.

If you have a disability or a specific learning difficulty you may qualify to receive financial help through the Disabled Students' Allowance (DSA) scheme. The Learner Support Team will be happy to help you with your application. Further details about the DSA are available from:

➤ tinyurl.com/info-dsa

For further advice and guidance please contact:

Learner Support Coordinator

➤ +44 (0)1952 815417

➤ jhill@harper-adams.ac.uk

➤ harper.ac.uk/learner

Equal opportunities

Harper Adams University is committed to providing higher education for everyone who can benefit from it. We aim to create a diverse learning environment that values all individuals. More details about equal opportunities and diversity at Harper Adams can be found online in our Single Equality Scheme and Action Plan.

➤ harper.ac.uk/equality

INTERNATIONAL STUDENTS

Our dedicated International Office provides:

- Two-day induction for international students before start of term
- Free English language and study skills support
- International student representative
- A team of staff to support you
- Advice on immigration and arranging visas
- Advice on working in the UK and further studies
- Cultural and social programme

Harper Adams has a thriving international student community, hosting students from around 30 different countries including China, Russia, Germany, Iraq, and Nigeria.

More than half of our research students are from overseas, many of whom are working on projects that will make a significant difference to agri-food production methods in developing countries.

We also have a thriving internationalisation strategy to establish relationships with academic institutions in target countries to develop teaching, staff engagement and research collaborations.

We hope our personal, friendly approach and intimate campus with its range of facilities will ensure you feel a valued member of our community. As well as the excellent facilities and support available to all students we offer an additional range of services for international students to help you adjust to life in the UK.

Welcome and arrival

Pre-arrival, HAU international students will be sent an electronic handbook once their place is confirmed. This details important information about public transport, how to access campus, contact details of key staff, likely costs of living in the UK and what to expect of life on campus. Larger groups of students will be met at Birmingham airport by university staff and transported directly to campus. Students will be given a welcome bag containing, amongst other things, an adapter, local bus timetables and a map of the campus. An induction programme will follow where students will be assisted with opening bank accounts, registering with doctors, legal formalities (police registration, if necessary), have sessions on academic English, culture shock, campus life and also be introduced to key staff leading their course.

Accommodation

Most international students choose to live on campus and are given preference in the allocation of accommodation, including the self-catered option. Full details are given on page 36.

Support for international students

A team of staff is available to support the induction of international students and you can approach them with any questions and concerns that may arise during your time with us. Dedicated tutors provide English language classes, study advice and individual support. The International Student Officer can help with enquiries about visa renewals and working in the UK.

"The experience of living, working and studying in such a multicultural location positively influences your personal development. Asserting and excelling oneself in foreign environments makes you flexible and strong in your business life."

*Peter Meinhardt,
MSc Food Production Management*





International students' society

Planet Harper is the international club for students from all over the world and all are welcome to this friendly club. It's a place that you can come together with friends to celebrate the diverse cultures, traditions, foods and ideas of the many different nationalities at Harper Adams. The many and varied activities are organised by staff in the International Office and by a team of student helpers and include social and cultural events on campus, a place to seek advice and reassurance, trips to places of interest and opportunities to try new experiences.

Recent outings have included Oxford, Chester and the Cheshire Oaks outlet village, Liverpool and Anfield, Llandudno and Conwy castle, York, and Alton Towers theme park. Wednesday sessions have included cake decorating, dance classes, trips to National Trust properties and Ironbridge Gorge museums, walks up the Wrekin hill and around Aqualate Mere, and traditional pub roast lunches.

Tuition fees

Please see page 42 for information on fees and finance.

Useful websites for international students:

Advice on higher education and life in the UK:

➤ www.educationuk.org

The UK Council for International Student Affairs:

➤ www.ukcisa.org.uk

UCAS advice on applications:

➤ tinyurl.com/ucas-international

Contacts

If you are an international student and would like some advice please contact:

➤ **International Student Support Manager:**
+44 (0)1952 815005

➤ **International Office:**
+44 (0)1952 815104

➤ internationaloffice@harper-adams.ac.uk

➤ harper.ac.uk/internat

International partnerships

Here at Harper Adams we firmly believe that working together makes us stronger, and this ethos extends to an ever-increasing range of links with universities at home and abroad. We enjoy particularly strong relationships with a number of Chinese institutions, and have developed collaborative postgraduate links with a number of institutions including: Huazhong Agricultural University; the Dominican Republic's Ministry of Education, Science and Technology (MESCYT); Inner Mongola University; Henan Agricultural University and the North West Agriculture University.

We also welcome students and staff through international exchanges such as Erasmus+.

Musa Shavanov

Musa Shavanov is from Chechnya, and is studying MSc International Agribusiness and Food Chain Management full-time. He lives on-campus.

"I was attracted to postgraduate study because I wanted to further develop my knowledge and skills in agriculture and gain clearer insight into this industry. During my undergraduate degree I found myself more interested in the management area of agriculture (evaluating risk in farming, developing efficiency of farming, why farmers fail to make profit and so on). Also, being an international student, I am interested in agriculture internationally and hope to help farmers collaborate not only within one country but also between the countries.

"We learn in a number of ways. Case studies make you feel that you are actually in charge of a farm. Farm visits are a chance to talk to farm owners in person and get information from current businessmen, while group work allows for interaction with other students as well as lecturers. Having employees and managers on the course gives me opportunities to gain some skills and wise advice from current successful people as well as observe professionals from industry."

RECREATION

Harper Adams has a compact campus but a big social scene with sports facilities, bars and cafés, clubs and societies, and a full entertainment calendar.

Facilities

All of the facilities on our compact rural campus are within easy walking distance and include a fully equipped gym, sports hall, heated outdoor swimming pool open in spring and summer, dance and fitness studio, astroturf pitch for football and hockey, multi-use sports area, bowling green, table tennis, pool tables and a cricket pitch. Harper Adams boasts some of the best grass pitches in Shropshire including a fully floodlit rugby pitch and training pitches. The surrounding countryside is ideal for walking, biking and birdwatching.

The Postgraduate Centre has its own dedicated social space for students to relax, enjoy refreshments, study, read or talk to colleagues.

There are two bars on site (Main Bar and The Welly Inn), Graze and Kaldi cafés, and the QMH dining hall.

"The campus is beautiful and you can do lots of sports here."

*Martin Muehringer
Erasmus exchange student,
University of Hohenheim, Germany*

Clubs and societies

Opportunities to get involved and meet a wider range of people are many and varied with classes, clubs and societies to suit every interest, from yoga to drama to outdoor pursuits or dance. The Students' Union (SU) organises social, cultural and sporting activities for all students, including club nights, trips, gigs, quizzes, film and comedy nights.

The Postgraduate Society aims to integrate students on different postgraduate courses with social events, networking opportunities, cultural trips and activities. Typical events include an inter-university networking event, sporting activities and termly socials. These are publicised mainly through the Society's Facebook group and a designated area on the SU website. The Society also represents postgraduates within the SU and the academic administration.

Planet Harper is open to all but is particularly popular with international and postgraduate students. See page 23 for details.

Extracurricular activities

From classes in conversational Mandarin and inspirational speakers to master classes and the Harper Forum society that invites guest speakers to talk to the student body, there are many interesting events taking place on campus.





Local area

Students say Harper Adams' rural location offers the best of both worlds – all the benefits of the country but close to the amenities of surrounding towns such as Newport, Telford and Stafford. Shropshire is in the heart of the Midlands, near the English-Welsh border, and only a short drive away from Birmingham (see page 44 for distances by car between the university and various places across the UK). This welcoming, unspoilt county offers glorious rural landscapes, vibrant towns, a rich cultural heritage, and many diverse ways to spend your spare time.

Shropshire is also one of the most active agricultural counties in England. In fact, agriculture is the predominant land use, amounting to 86 per cent of the total land area. It also has a thriving business and manufacturing community. This rich combination means we are able to draw on many local resources and industry to support learning and leisure opportunities.



Out and about

Shopping

The small market town of Newport is a pleasant place to shop, with supermarkets and high street stores for essentials as well as smaller specialist shops. Telford Shopping Centre is just ten miles away and boasts more than 160 shops, restaurants and cafés including House of Fraser, Waterstones, Game, Costa and Marks & Spencer. The county town of Shrewsbury combines high street stores with independent retailers. Stafford, Wolverhampton and the picturesque market towns of Bridgnorth and Much Wenlock are also worth a visit.

Free minibus

There is a regular minibus service during undergraduate terms: Monday to Saturday between Harper Adams and Newport, and another on Sunday directly to Telford Shopping Centre.

Cinema, theatre and music

Oakengates Theatre, Stafford Gatehouse and Shrewsbury's Theatre Severn, as well as Wolverhampton's Grand Theatre, Civic Hall and Slade Rooms, offer a wide variety of music, comedy, plays and productions. Birmingham's NEC and National Indoor Arena are great for music and shows, while the Hippodrome and Birmingham Rep offer a wide variety of music, theatre and ballet. Like films? Plenty of choice between Telford's ten-screen Odeon cinema or new 11-screen Cineworld Imax cinema with D-Box seating.

Food and drink

There are about 12 pubs in and around Newport, and around 120 across Telford and Wrekin, from real ale pubs to clubs. Eateries range from traditional fish 'n' chip takeaways and pub grub to Chinese, Indian, Italian and fine dining. Telford's new Southwater development offers Zizzi's, Chimichanga's, Nando's, Bella Italia, Pizza Express, and Harvester.

What's on

A selection of local events:

- Farmer Phil's Music Festival – more than 40 bands over three days.
- Shropshire County Show – the county agricultural show.
- Newport Agricultural Show.
- Midland Game and Country Fair.
- V Festival – two days of pop and rock music at Weston Park.
- Shrewsbury Summer Season.
- RAF Cosford Air Show.
- Church Stretton and Ludlow Food Fairs.
- Local produce markets.
- CAMRA beer festivals.
- Horse and dog racing – Ludlow, Uttoxeter, Birmingham and Wolverhampton.

Days out

Exploring from Harper Adams is easy with excellent road links – both the M54 and M6 are less than 20 minutes' drive away. Here are some places current students suggest:

- Alton Towers and Drayton Manor Park.
- Ironbridge Gorge World Heritage Site.
- Shropshire Hills Discovery Centre, Craven Arms.
- Cannock Chase; Great for walkers, mountain biking and adventure play. Experience the GoApe tree top adventure course and Forest Segway Experience at Birches Valley Forest Centre.
- Acton Scott – this historic working farm, in South Shropshire, was featured in the television programme Victorian Farm and offers a fascinating insight into rural life at the turn of the 19th century.
- Birmingham, with its state-of-the-art Bull Ring complex, National Exhibition Centre (NEC), National Indoor Arena, Symphony Hall, shops, bars, restaurants, theatres, clubs and galleries is less than 40 miles away.



Image: Shutterstock

- The beautiful walled city of Chester is around the same distance, while Manchester and Liverpool can be reached in little over an hour.
- Staffordshire, dubbed the 'Creative County', is Shropshire's near neighbour and home to the rocky beauty of The Roaches and Lord Lichfield's ancestral home, Shugborough.
- The campus is just a few miles from the Welsh border, with mountains, valleys and coast providing plenty of scope for field trips and leisure pursuits.
- Spring and summer weekends can be used for a trip further away to Cheltenham, Gloucester, the Cotswolds, Peak District, or Staffordshire Moorlands.
- For a cultural day out, try dozens of stately homes, National Trust properties, museums, gardens and country parks such as Attingham Park, Powys Castle, Cardingmill Valley and Wenlock Edge.

4

ON CAMPUS

20m

Over the last ten years we have dedicated more than £20m to enhancing our facilities.

The university is based on a single site in the heart of Shropshire. It combines the best of a rural campus where facilities and accommodation are within easy walking distance, with close proximity to towns and road/rail links. With free parking, a safe environment, uplifting location, and a commitment to investing in great facilities, the campus is an ideal place for work and play.



ACADEMIC FACILITIES

Our campus, with its own farm, modern laboratories and specialist teaching facilities offers a rich learning environment.

Postgraduate Centre

The purpose-built postgraduate centre offers a quality space for learning. The centre represents a significant commitment to postgraduate study at Harper Adams and was developed in consultation with our students. It accommodates three high specification teaching rooms and a dedicated computer suite with additional spaces for laptops. The centre has wireless access to the university network so that students can access their emails and the internet wherever they are working. A comfortable common room offers the opportunity for postgraduate students to relax and socialise and is equipped with a water dispenser, vending and coffee machines and television.

Research centres

We have created a number of interdisciplinary research centres in precision farming, integrated pest management, fresh produce and soil and water management.

➤ harper.ac.uk/initiative



University Farm

Harper Adams students have the unique advantage of being able to practise 'in the field' on our own commercial farm. The farm demonstrates sound commercial practice, seeks to innovate and develop and provides an excellent learning resource. After a multi-million pound development, including expanded dairy, pig and poultry units and a food research centre, the farm extends to more than 650 hectares on a number of diverse sites and features a variety of livestock.

Soil types vary from a light sandy loam to heavy clay loam and so provide a valuable range of soil conditions for teaching and research. Generally, a three-year rotation aimed at maximising first wheat is practised. This is made possible by the range of break crops on the farm – grass, maize, lucerne, oilseeds and stewardship crops. A significant proportion of the cereal crop is also processed for use by the dairy herd. Water for irrigation is supplied from a reservoir and borehole via a ring main.

Farm equipment is typical of that on a modern mixed farm. All major animal enterprises are present, with 380 dairy cows and 100 followers, two sheep flocks demonstrating different management systems, both intensive and extensive beef units and a large-scale commercial egg enterprise. The recently refitted poultry unit now houses more than 70,000 birds and is operated as a joint venture with a local company.

Pig research facilities are based on the commercial 230-sow unit, which is managed on a 32-sow batch farrowing system, producing groups of weaners every three weeks. The unit, whose performance is in the top 10 per cent in the UK, is designed to allow a wide range of research with flexible facilities including individual feeding for sows, farrowing pens and crates.

Weaner accommodation can provide up to 36 pens of five pigs for research trials. There are five rooms for finishing pigs and one room is designed as a traditional straw-based system with 22 pens. Digestibility pens are available for pigs from weaning to 90 kg.

Up to 24 hectares of the grass and arable areas are devoted to staff and student research projects and National Institute of Agricultural Botany variety trials. The production units demonstrate good practice and provide physical and financial data for appraisal work by students. Availability of data is vital to commercial management. The animal enterprises also provide the resources for staff research, postgraduate and commercial trials. Data from the farm is stored on the virtual farm website, giving students access to detailed records of production, marketing and financial activities and estate enterprises. Updated regularly, you will always have reliable, topical information to work with. Detailed weather records from our meteorological station also provide support for research.

The farm employs staff to help with student projects, and basic training in practical livestock skills.

➤ harper.ac.uk/harperfarm

Poultry research facilities

A recently-constructed modern poultry facility provides the latest high-welfare accommodation for conducting poultry trials aimed at improving bird health and productivity in the poultry industry. There are two broiler houses with up to 96 floor pens available and laying hen accommodation with 100 colony units allowing for ten birds per unit. Special environmental rooms can be used to measure the effects of temperature, light and humidity. These are complemented by metabolism rooms for measuring nutrient and energy availability.

Entomology facilities

The Jean Jackson Entomology Centre is a dedicated entomology building on the south side of the campus. It has been remodelled from an existing carbon-friendly building into a specialist entomology laboratory including controlled temperature insect rearing facilities in the form of three walk-in chambers, essential to support both teaching and research.

The EntoHub, located in the Ancellor Yard Farm Education Centre, houses an extensive insect collection and resource room for those studying Entomology. Thousands of carefully preserved specimens from across the world can be found in the Insect Collection Room, some of which are more than 100-years-old. The hub, which also houses insect sampling equipment, identification manuals and specialist texts, enables MSc students to improve their taxonomic skills as they will be able to access specimens directly whenever they want rather than just during taught classes. It is also used as a teaching resource, as part of insect curation practicals, for instance. One of the oldest insects in the collection is a large blue butterfly captured in Bude in June 1900, whilst the heaviest is a goliath beetle which can weigh up to 100g.

The Regional Food Academy

The RFA was established to provide support to the West Midlands food industry in the form of training, education, knowledge transfer and technical consultancy. Gaining hands-on experience of food and the food industry is an important part of the process of education for careers in food. With the creation of the Regional Food Academy food students have access to food processing facilities on-site. Its facilities include a product development kitchen; brewing and cheese-making facilities; a sensory evaluation room; and instrumental analysis rooms.

➤ harper.ac.uk/rfa



The university's £2.3 million dairy unit, with modern, high-welfare accommodation for 400 cows, provides an excellent base for dairy cow research alongside its commercial activities. A trial area is available for up to 60 individually-fed cows from the main herd. The cows each wear a neck transponder so that they can access an individual feed unit. The amount of feed eaten can then be automatically weighed and recorded, so that different diets can be compared with minimum disturbance to the cows. Metabolism facilities are also available to conduct nutritional balance studies, for example, on minerals or nitrogen.

➤ Dr Mark Rutter, Dairy Unit.
harper.ac.uk/markrutter

Engineering facilities

The Engineering Department benefits from a number of specialist facilities including the new £2.93m Agricultural Engineering Innovation Centre with electronics / mechatronics and research laboratories and a large lecture theatre. The JCB sponsored Engineering Design Centre is the hub for student centred learning with academic staff support. There is also an off road vehicle test track, a purpose built indoor soil hall, and well equipped engineering workshops. We also maintain a wide-ranging fleet of the latest machines and vehicles and have loan arrangements with engineering companies to ensure students have access to the latest technological developments.

In addition to the largest covered field demonstration area in the UK, you will have access to the fields of the University Farm to give you experience in operational techniques.

The Engineering Department is also home to The National Centre for Precision Farming, which facilitates the knowledge exchange required to bring 'smart' agricultural machinery into wider and more productive use in UK and global farming.

➤ harper.ac.uk/eng

➤ harper.ac.uk/ncpf

The Bio-fermentation Laboratory

The bio-fermentation laboratory is a category 2 research facility containing apparatus and equipment for studies which simulate (in vitro) conditions for ruminant nutrition and anaerobic digestion. The laboratory currently provides equipment for batch and continuous culture systems. It contains sixteen, 10-litre bench-top anaerobic digestion vessels as well as a gas meter and infra-red gas analyser for analysis of gas composition. The resources support a number of research projects which include: the effect of diet on rumen fermentation characteristics and methane production; the potential of anaerobic digestion for on-farm storage and bio-reduction of fallen stock; and maximising energy recovery from waste materials by the integration of anaerobic digestion and pyrolysis water.

Nematology facilities

The nematology facilities at Harper Adams comprise both a nematode extraction laboratory, for processing soil dwelling nematodes, and a 'clean' laboratory for nematode quantification, bioassay and imaging. We hold a range of microscopes to allow us to visualise, monitor and record samples within our work. The laboratory is supported by nematologists Dr Ivan Grove and Dr Matthew Back who cover research across the range from molecular studies right through to field investigations.



Science facilities

The Princess Margaret Laboratory complex contains six teaching laboratories with up-to-date equipment for the analysis of agricultural, environmental and food samples and provides excellent resources for science teaching.

The laboratory complex includes well-equipped teaching and research laboratories for both postgraduate and undergraduate work, including a purpose built Molecular Diagnostics lab equipped to analyse DNA using the polymerase chain reaction (PCR). Recent developments include the creation of additional microbiology research laboratories and a new Applied Research Laboratory which opened in 2013. Refurbishment of other teaching and research areas demonstrates our commitment to the quality of our science facilities.

A purpose-built 'wet room' laboratory, created in 2014 on the south side of campus to support teaching in animal anatomy and physiology brings the total number of teaching laboratories up to seven. It is the university's well-founded laboratory status, distinctive amongst institutions of our type and size, which has been pivotal to Harper Adams' success in obtaining both taught and research degree awarding powers.

The Princess Margaret Laboratories are staffed by a team of well-qualified and enthusiastic technicians who facilitate the provision of science teaching and research for all students. Other science-related facilities provide environmental control or monitoring and include a large experimental glasshouse, animal production buildings, a metabolism room and an automatic weather station.

Veterinary facilities

Harper Adams is a veterinary nurse approved centre (VNAC) and approved course provider. Our facilities include a brand new Veterinary Services Centre with a hydrotherapy suite and consultation area. A mock veterinary practice, housed within the veterinary nursing unit, has a consulting room, prep room, x-ray facility and an operating theatre. Students are also able to use our extensive range of laboratories, including a newly refurbished anatomy laboratory.

A Companion Animal House contains rooms dedicated to rabbits, guinea pigs and a range of other companion and exotic animals such as chinchillas, degus, geckos and skinks. We have a small number of horses that are used within the courses.

The farm, with its sheep, cattle and pigs, is another resource for veterinary-related students to widen their skills and experience. There are also facilities for students to carry out project work.



➤ PhD researcher Stephen Mansbridge, laboratory

The Bamford Library

This modern library provides a wide range of learning resources and services, including:

- Access to around 42,000 books, a growing e-book collection, over 4,000 print and electronic journals and the most relevant databases for your courses.
- Range of study facilities including group study rooms and a silent study room.
- Tutorials and individual support on finding and using resources.
- Dedicated librarians to help you get the most out of the resources and who understand the differing needs of part-time and postgraduate students.

The building itself is an award-winning example of sustainable design and is named after Sir Anthony Bamford, chairman of JCB and sponsor of the Engineering Design Centre housed within the library complex. There is also a café, The Kaldi.

➤ harper.ac.uk/library

Faccenda student centre

The Faccenda building is a 'one-stop shop' for students, including a student hub, Students' Union facilities, social rooms, convenience store, and the Graze café. Here you will find Student Services, Admissions, Careers and Placement, and Learner Support, with a number of teaching and meeting rooms.

➤ harper.ac.uk/faccenda



➤ Erasmus student, Martin Muehringer, Bamford Library

IT resources

Postgraduate students have 24-hour access to a number of PCs all year round, so you can work at times that suit you.

- There are a large number of networked PCs across campus including the library and Postgraduate Centre.
- A wide range of the latest software is available for word-processing, spreadsheet analysis and presentations, database work, e-learning and statistical analysis.
- Specialised software is available for agricultural, engineering, science, business and educational studies, and also statistical and commercial software.
- Wi-fi access for laptops and other mobile devices is available in the library and at a growing number of additional locations across the campus. Wired access is available in halls of residence on campus.
- Advice and IT assistance is available in person from the IT service desk throughout the day and until late evening, and there is a 24/7 telephone support line available for all our registered users.
- Registered students can buy equipment and software from leading manufacturers at reduced rates.
- All new students are offered basic training to use our computer systems.
- The virtual learning environment (VLE), provides course materials, text and video materials, interactive exercises and other aids to make learning more flexible. The VLE also allows ready access to the library catalogue and online journals and supports the detection of plagiarism.
- The Microsoft IT Academy Programme is one of several commercially recognised IT training programmes available to students.

➤ harper.ac.uk/itdept

Crop and Environment Research Centre (CERC)

CERC is Harper Adams' specialist centre for teaching and research into crop production, working with horticultural, agricultural and non-food crops. CERC assists teaching staff in all aspects of crop production, from soils testing through cultivation, plant breeding, fertiliser management, water management, disease control, harvest, postharvest, biology and crop quality assessment. The underpinning aim is to maintain high levels of sustainable crop yield methods that are compatible with the environment.

CERC carries out major contracts for government, farmer-funded bodies and private clients, and facilitates crop demonstrations for postgraduate, undergraduate and Continuing Professional Development training.

The centre also houses a nematology research laboratory.

➤ harper.ac.uk/cerc

OUR GREEN CAMPUS

Sustainability is a local and global issue close to our hearts, and informs both teaching and developments on campus. We have won many awards for our approach to sustainable development and for our environmentally friendly campus and farm.

Environmentally friendly farming

The University Farm aims to create a sustainable farming system through the adoption of integrated farming techniques. Conservation is crucial and numerous initiatives are ongoing to improve and create wildlife habitats, such as the establishment of ponds and hedgerows. There is also a walk around the estate, which encompasses these developments, as well as bird hides and countryside interpretation materials. Great care is taken to avoid pollution and harm to wildlife. We are pleased to be part of the Countryside Stewardship scheme.

Sustainable development and renewable energy

As a winner of the Times Higher Education Award for Outstanding Contribution to Sustainable Development, Harper Adams is one of the 'greenest' higher education institutions.

We are, for instance, carrying out research into a technique known as pyrolysis that creates fuel from farm, food and local authority green waste.

Other renewable technologies on campus include a photovoltaic solar cell system providing renewable energy, and the sustainable building design of the Bamford Library, and the Jean Jackson Entomology Building.

The different renewable technologies sited on the campus are used as working demonstration models to teach students and to show the advantages and disadvantages to visiting farmers and landowners as well as local communities.

High levels of recycling are achieved. Renewable electricity is used to charge two electric utility vehicles which are small and slim enough to move easily around the different buildings on campus. Biodiesel is made from waste vegetable oil from the university's kitchens and is used to fuel a number of our minibuses.

ACCOMMODATION

Living on campus

The university has increased the number of rooms available for postgraduate students wishing to live on campus for a full academic year. Every effort is made to accommodate all postgraduate students on campus, although we cannot guarantee a place will be available and priority is given to international and first year undergraduate students. Student Services can help you to find appropriate off campus accommodation (see 'living off campus' page 37) if none is available on site.

The majority of postgraduate students do not live on campus, as most of their modules are delivered flexibly in short blocks of, say, one week, or over a weekend. Therefore, most will choose to commute daily if possible, or stay in short-term accommodation locally. However, some students, mostly from overseas, choose to live on campus, usually in self-catering accommodation.

In on-campus accommodation, cleaning and weekly laundry services are included during term time. A fully catered en-suite accommodation option (living in predominantly undergraduate halls) is also possible upon request to Student Services and subject to availability. Harper Adams also has a number of specially modified rooms, equipped to cater for disabled student needs.

Support for resident students is of great importance to us. Every hall is home to two student wardens who are a point of contact for all resident students, and cover an overnight on-call rota. Their support is always available should an emergency situation arise. Additionally, Student Services staff, the Students' Union President and the Vice-Chancellor are all resident on-campus and are contactable in the event of an emergency.

Safety and security are a priority at Harper Adams and the campus is protected by CCTV and on-site security guards who patrol the campus and car parking areas – a free facility for resident students.

➤ For more information please contact the Accommodation Office on +44 (0)1952 815716 or accommodationoffice@harper-adams.ac.uk

“The Student Services office is extremely helpful in aiding anyone wishing to find somewhere to live.

*Ailsa Tweedie
MSc International Agri-Business and Food
Chain Management*

➤ harper.ac.uk/ailsa-t



University houses

- Mostly single-sex, shared student houses situated along Flatt Road, opposite the main campus, and near to teaching facilities, the companion animal unit, mock veterinary practice, countryside resource centre, poultry unit and the Crop and Environment Research Centre.
- These houses are located in a peaceful area with views of the farm.
- Around 140 students (both undergraduate and postgraduate) live in these houses and experience the independence of sharing a house combined with a traditional student lifestyle and the benefits of on-campus support and services.
- Postgraduate students are usually housed with other postgraduate or international students.

For further information and images visit:

➤ harper.ac.uk/accomm

Living off campus

Student Services offer help and advice to any students looking for off campus accommodation through forums, literature, an online property search facility, with properties available and landlord contact details. There is plentiful suitable student accommodation (inspected by Telford and Wrekin Council) both in the local town of Newport and the surrounding rural vicinity, including cottages, houses, barn conversions and flats. The majority are within a five-mile radius of the campus.



Food

Great food has always been a priority at Harper Adams. We have three on-site eateries offering excellent food based on our ethos to support local food and business, which earned us a Times Higher Education Award, BBC Radio 4 Food and Farming best public caterer award, and a Catey award for sustainable business.

Harper Adams is committed to supporting UK farmers, and using local produce, including that produced on our own Harper Adams Farm. For produce we are unable to obtain locally we aim to buy Fairtrade.

Main Dining Room

Postgraduate students are welcome to join undergraduates, staff and guests in this large dining room, in Queen Mother Hall, where delicious breakfasts, lunches and dinners are provided Monday to Friday. A typical menu might include lasagne, chicken fajitas, vegetarian strudel, sandwiches, jacket potatoes, soups, and a range of mouth-watering desserts.

Graze Café

Based within the Faccenda building, Graze offers a fantastic choice daily, from drinks, cakes and healthy snacks to made-to-order baguettes and homemade casseroles containing produce from the farm.

Kaldi Café

Located on the ground floor of the Bamford Library this lively café is open during undergraduate term time and is ideal for a break from studying. From a quick drink to a light lunch with friends or colleagues, there's always a good choice, including freshly ground coffee (with locally sourced milk), sandwiches, panini, toasties and oatcakes, and a great selection of Fairtrade produce.

Self-catering

Self-catered accommodation has a good range of cooking and storage facilities. There is a shop in the Faccenda building for food supplies, and supermarkets, grocers and markets in nearby Edgmond, Newport and Telford. There are a variety of vending machines around campus, including in the postgraduate common room.

Food off-campus

Newport, approximately three miles away from Harper Adams, has a good range of cafes, restaurants and take-away outlets.

➤ harper.ac.uk/cater



CAREERS



Dr Priya Motupalli
Animal Welfare Specialist, Nestlé

➤ harper.ac.uk/priya-m

ENHANCING YOUR CAREER

Harper Adams has an outstanding reputation for graduate employment, and this extends to postgraduates many of whom choose us specifically to enhance their career paths in existing jobs or new fields, studying independently or backed by their employers. Amongst other factors, many graduates attribute their success to Harper Adams' excellent links with industry, the applied nature of our degrees, the flexibility of study, teaching quality and the opportunities here to build confidence and challenge themselves. Postgraduate study may not always increase your starting salary but studies show that the majority of postgraduates earn more than undergraduates over their careers.

Recent graduates have embarked on careers as farm consultants, chartered and rural surveyors, senior researchers, nature reserve managers, marketing managers, auctioneers, university lecturers and farm managers, amongst many others. Employers have included Caterpillar, ADAS, Marks & Spencer, Tesco, Dairy Crest, Unwins Westland (seeds), Bell Ingram, Gleadell Agriculture, Eurofins Agrosience, Smiths Gore, Sainsbury's, Mott McDonnell, Fisher German, Bidwells, MDS Ltd, Welsh Government, Spearhead International, and ABP.

96%

96% of HAU postgraduates were employed or in further study six months after graduating^Q

^Q HESA, 2014

The Careers Service

Our friendly Careers Service offers professional advice and guidance and encourages students to keep in regular contact, so staff can get to know you and how the service can best meet your needs. The Careers Service is based in the Faccenda student centre at the heart of the campus.

Advice tailored for you

Students and recent graduates benefit from our one-to-one advice, exploring their career options and receiving personally tailored advice and guidance from Careers Service staff.

Build your CV

We can help you build a CV that shows off your skills and experience through our regular workshops on drafting CVs, covering letters and application forms.

Preparing for interviews

Our interview workshops give students the chance to find out more about recruitment processes, and to work on their interview skills and group work abilities in a safe environment. We also stage mock interviews – individual appointments where you can practice being interviewed, with questions tailored to roles you might be applying for.

Job vacancies

Whether you are looking for a part-time job whilst studying or a full-time position after graduating the latest jobs news and vacancies across the sector are posted on our online vacancy service. The Careers Service provides a weekly e-mail bulletin of job vacancies submitted by employers.

Network with employers

More than 80 employers attend our annual Careers and Placement Fair to talk to students about placement and graduate opportunities within their organisations.

It's a great opportunity for you to meet potential employers and recruiters. Throughout the year we also arrange industry networking events and welcome employers on campus to speak to students and advertise their vacancies and recruitment schemes.

Psychometric tests

Many employers use psychometric tests to identify a candidate's aptitudes or personality. Careers staff can provide an overview of the purpose and nature of these tests and how you can prepare for them.

The Virtual Learning Environment/ Learning Hub

Harper Adams' Learning Hub is an online tool bursting with resources to help both students and graduates study and develop, offering support throughout their career journey. Here you will find information on researching careers, finding vacancies, applying for jobs, travel opportunities, using social media in job hunting, further study and much more.

➤ harper.ac.uk/career

➤ harper.ac.uk/job-vacancies



ALICE MONTROSE



MSc Sustainable Agriculture

"There are more career opportunities in agriculture than ever before."

Alice Montrose, from Oxfordshire, graduated in 2014 with an MSc Sustainable Agriculture. She is now training as an Agronomist with Agrovista.

"I chose to study a postgraduate degree to further my knowledge in the subject and increase my employment opportunities. Harper Adams is the best place to study agricultural-based subjects and has a great reputation. The teaching was of a very high standard, it was very applied and relevant to the current industry, and help was always available.

"I have got a job as a trainee agronomist at Agrovista. The training is two years long and after that I intend to build my client base in the Oxfordshire area. I work as a consultant to farmers on the production of crops and am involved in recommendations and sales of chemicals.

"The university has a good reputation with companies in the agricultural sector so Agrovista knew that I would have a good knowledge. The fact that I had a Masters degree also showed my dedication and ability to study independently."

"I think there are more career opportunities in agriculture than ever before with new challenges being faced in production in terms of land space, changing weather patterns and decline of natural resources. Therefore there is a need for expertise not only in farming but also how to make the industry more efficient and more sustainable.

"It has made a difference to my position as I am much better equipped to start a career in the industry and completing the course has helped me to develop important skills such as planning, dedication, self-motivation and problem solving.

"I would definitely recommend doing a Masters degree to people who have the motivation to do so. I thoroughly enjoyed my course and would highly recommend Harper Adams as an institution if you want to study a land based subject."



Jordan Ryder

"The teaching staff and quality of taught modules are brilliant. This is supplemented by visiting lectures from institutions such as the Natural History Museum and Wye Bugs; thus insuring we gain the appropriate specialist knowledge in a range of subject areas. Harper Adams continues to be one

of the few universities that continues to expand despite current economic hardships, investing money in a variety of resources including the entomology resource room and the new entomology building and laboratories."

Jordan Ryder

MSc Integrated Pest Management

Jordan is now a PhD student at Harper Adams, researching the importance of nutrition for solitary bees and bumblebees – implications for pesticides and stewardship.

➤ harper.ac.uk/jordan-r



Lindsay Fairbrother

"I chose to study at Harper Adams because I wanted to expand my knowledge of animal healthcare in order to cater for clients in pet and farming communities. I enjoyed the teaching and felt well supported, and the course gave me a chance to meet fellow professionals in the field."

Lindsay Fairbrother

PgD Veterinary Pharmacy

Lindsay owns and manages a community pharmacy in Derbyshire.

➤ harper.ac.uk/lindsay-f



Josie Palmer

"My postgraduate course has been both hugely valuable and integral to my career."

Josie Palmer is a local partner in Fisher German's Thames office. She graduated in 2005 with PgD Rural Environment and Land Management.

"The structure of Harper Adams' part-time programme was the greatest draw. As I already had a good job I did not want to leave this for a full-time course."

"The course fit really well alongside my other commitments, it was immediately relevant and gave me good practical insight, plus I thoroughly enjoyed making new friends, pretty much all of whom are now successful rural professionals, whether for surveying firms or in other consultancy roles."

"Completion of the postgraduate course was one big tick on my list towards achieving my career goals. Within less than a year I qualified both as a Chartered Surveyor and as a Fellow of the Central Association of Agricultural Valuers. I also moved to a new and better job within a firm for whom I worked for ten years, principally doing Estate Management. After a brief stint in a resident agent position I am now thrilled to have recently moved to Fisher German as a Local Partner."

6 ESSENTIALS

FEES AND FINANCE

Fees for taught postgraduate students

If you have been looking into postgraduate study you will already have an idea of the main costs involved; namely tuition fees and living expenses. Postgraduate study does involve a financial commitment but it is a rewarding investment and financial support can be sourced, although it will probably require some work on your behalf.

Tuition fees

All students are personally liable for the payment of all charges relating to their time at the university; this includes tuition fees, accommodation and other course and activity related costs. If you have made arrangements for any of these to be paid by a third party, such as Student Finance for tuition fees, employer sponsorship or payment by a parent/guardian, you must ensure that this is in place in time for the payments to be made. Should you leave the university prematurely, you will still be liable for at least a proportion of the costs incurred, depending upon which stage of your course you have reached.

Tuition fees for full time postgraduate students are paid in three instalments in October, January and May. International students may not be able to have an instalment plan for their tuition fees due to VISA regulations.

Part-time students will pay for the modules that they are registered for in the current academic year. Each module invoice will be sent during the week of attendance. Payment must be made within 14 days of the invoice date.

For details of current tuition fees:

➤ harper.ac.uk/pgfees15-16

Contact: Taught Postgraduate Courses Officer

➤ +44 (0)1952 815289

➤ postgraduate@harper-adams.ac.uk

Funding sources

Your employer may consider sponsoring your studies, for instance, or you may approach the Research Council. The government offers professional and career development loans, while some students work full or part-time around their studies. Harper Adams has a number of scholarships and other support available.

Funding advice:

➤ harper.ac.uk/fundhelp

Harper Adams University scholarships:

➤ harper.ac.uk/pgscholar

The Research Council:

➤ www.rcuk.ac.uk/research/areas

The Association of Charitable Foundations:

➤ www.acf.org.uk

The British Council:

➤ www.britishcouncil.org

Accessing benefits and grants:

➤ www.turn2us.org.uk

Career development loans:

➤ www.lifelonglearning.co.uk/cdl

APPLICATIONS

Taught postgraduate degrees (including MRes)

Entry requirements

Requirements vary for each programme of study but generally the minimum requirement for postgraduate courses for UK and EU applicants is a lower second class honours (2:2) degree, or FdSc/HND with three years relevant experience, or equivalent. Evidence of your previous qualifications is required. However, we do look at all applications on merit and applicants with equivalent experience who can demonstrate working at graduate level are encouraged to apply.

Courses begin mid September. Subject to available places on the course, the deadline for UK and EU applications is the end of July in the year you wish to begin your studies. Late applications will be considered but we cannot guarantee a place on the course of your choice.

How do I apply?

Application forms can be downloaded from our website or by contacting the Taught Postgraduate Courses Officer.

➤ +44 (0)1952 815289

➤ postgraduate@harper-adams.ac.uk

➤ harper.ac.uk/pg-app

Interviews

All applicants are encouraged to visit the university for a campus tour and one-to-one sessions with academic staff. This is not so much an interview as discussion to advise applicants of their options and the suitability of your chosen course. All overseas applicants will be expected to take part in a video interview.

Joining instructions

If you have been made an offer, you will be sent a joining pack, which will include details such as term dates, student finance information, TV licenses, car parking and other useful details.

Deferring

If you are offered a place but wish to defer your entry on to the course, you must obtain prior written approval from the postgraduate office.

International applications

Subject to available places on the course, the deadline for overseas applications is the end of June in the year you wish to begin your studies.

International applicants must hold a qualification of equal standing to a UK honours degree as advised by the National Recognition Information Centre for the UK (NARIC UK).

All overseas applicants must also provide evidence of competence in the use of written and spoken English. For postgraduate courses, we accept IELTS. The test results must be no more than two years old and, from April 2015, be taken at an official test centre.

The following scores represent the English language level accepted by Harper Adams University:

IELTS: 6.0 (average, with no less than 5.5 in any of four components).

Further information about English language requirements:

➤ harper.ac.uk/eng-lang

Tier 4 visas

You must be fully aware of the requirements of application for a Tier 4 visa, including, but not exclusively; sufficient funds in your bank account for 28 days prior to application (or access to funds in another account, or a valid financial sponsorship letter), accurate documentation including valid passport, original (and translated) qualification certificates, proof of English language ability, ATAS clearance (where advised) and proof of a clear TB test. To see if you are from a country where a TB test is required visit:

➤ www.tinyurl.com/tb-test-check

You must also ensure that you have available funds to pay for the application itself, including the charge which is now applied to allow access to the National Health Service (NHS).

Applicants are advised to visit the website below for the most up to date application guidance both now and again when your Confirmation of Acceptance for Studies (CAS) is issued.

➤ www.gov.uk/tier-4-general-visa

PhD entry requirements

A relevant master's degree is an advantage for PhD students. All candidates must have a suitable undergraduate degree (minimum 2:1 or equivalent), although consideration will also be given to good students with a 2:2 degree who also have relevant experience.

A minimum level of competency in English is required IELTS (Grade 6.5).

There are three admission dates per academic year; at the start of October, January and April.

➤ +44 (0)1952 815328

➤ research@harper-adams.ac.uk

➤ harper.ac.uk/researchdegrees

HALLS OF RESIDENCE

- 1 Princess Royal
- 2 Self-catering Halls
- 3 Harris
- 4 Ward
- 5 Gloucester
- 6 Bradford
- 7 Boughey
- 8 Darby, Jebb, Silcock & Darwin
- 9 Platt Road Houses

MAIN BUILDINGS AND TEACHING FACILITIES

- | | | | |
|----|--|----|---|
| 10 | Main Building (Reception) | 21 | Foulkes Crowther Building
(TG/ TF/ Lecture Theatre) |
| 11 | Aspire Centre (Short Courses
& Conferences Reception) | 22 | Barnford Library and
Engineering Design Centre |
| 12 | North West Building | 23 | Faccenda (Student Centre) |
| 13 | Skills Training Centre | 24 | Queen Mother Hall (QMH) |
| 14 | Regional Food Academy | 25 | Veterinary Services Centre |
| 15 | The Weston Building | 26 | Jean Jackson Entomology
Building |
| 16 | Postgraduate & Professional
Development Centre | 27 | Companion Animal House |
| 17 | Jubilee Adams | 28 | Anatomy Teaching
Laboratory |
| 18 | Agricultural Engineering
Innovation Centre | 29 | A-Block Teaching Rooms |
| 19 | Applied Engineering
Facilities | 30 | B-Block Teaching Rooms |
| 20 | Princess Margaret Building -
Science Laboratories | 31 | Frank Parkinson Farm
Education Centre /
Frontier Crops Centre |

SPORTS AND LEISURE

- 32 All-weather Sports Pitch
- 33 Main Rugby Pitch
- 34 Rugby/Gaelic Football Pitch
- 35 2nd Team Rugby/Training Pitch
- 36 Harris Football Pitch
- 37 Barnyard Football Pitches
- 38 Main Bar and Welly Inn
- 39 Sports Hall
- 40 Multi-gym
- 41 Squash Courts
- 42 Outdoor Swimming Pool
- 43 Multi-use Games Area (MUGA)
- 44 Cricket Pitch
- 45 Bowling Green

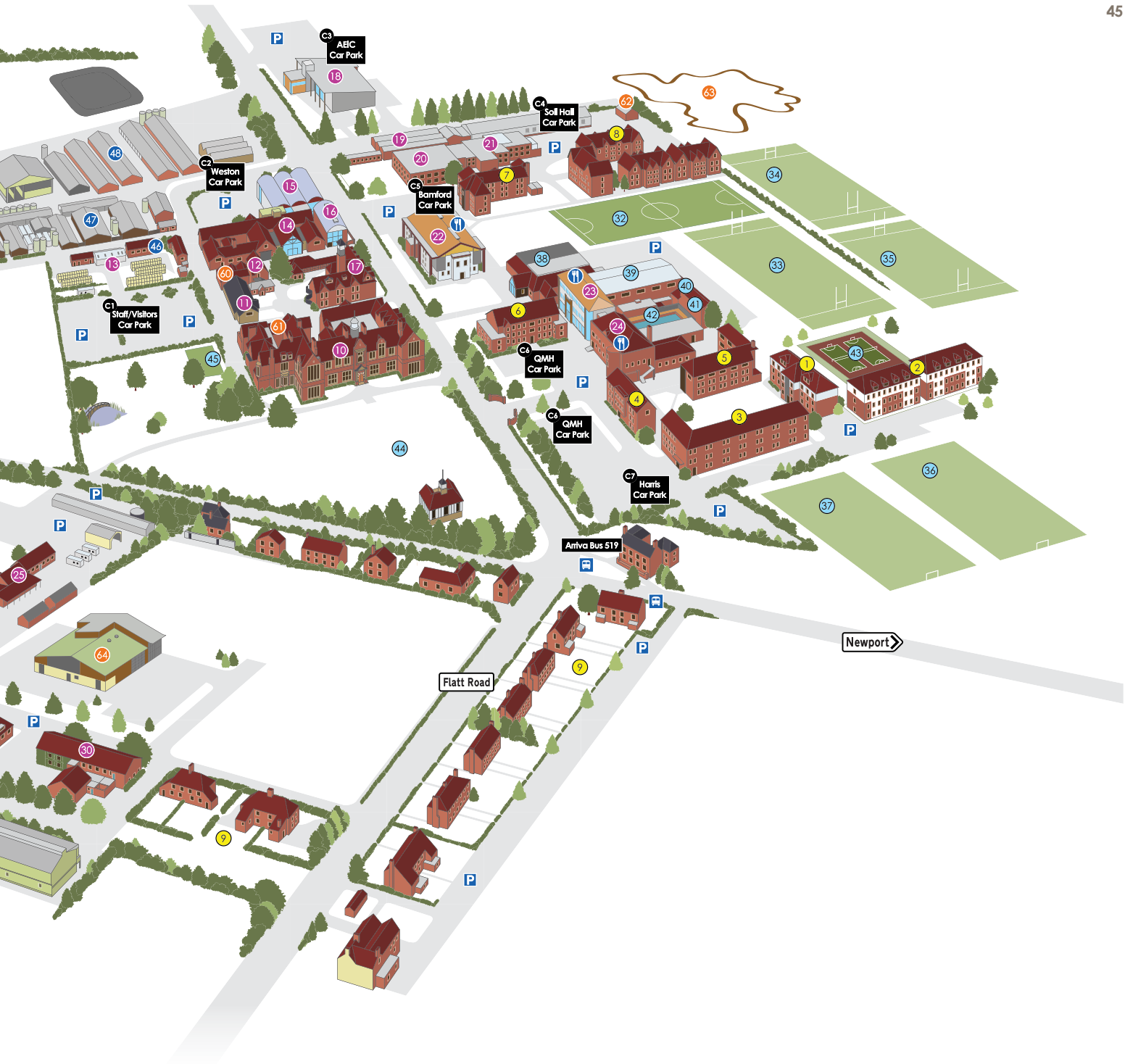
FARM

- 46 Farm Seminar Room
- 47 Pig Unit
- 48 Beef and Sheep Unit
- 49 Dairy Calf Hutches
- 50 Farm Records and Information
- 51 Dairy Unit
- 52 Youngstock Building
- 53 Commercial Poultry

OTHER FACILITIES

- 54 Poultry Research
- 55 C-Block (Linden Hall
GP Surgery)
- 56 D-Block
- 57 Crop & Environment
Research Centre (CERC)
- 58 Anaerobic Digester
- 59 Estates Department
- 60 Laundry Building
- 61 Porters' Lodge
- 62 Pyroformer CHP Unit
- 63 Off-Road Demonstration
Track
- 64 Dairy Crest Innovation
Centre*









CONTACT US

Visit us

Wherever possible we encourage you to visit Harper Adams and experience our unique facilities and learning environment. We have six open afternoons each year when you will be able to speak with staff, tour the campus and ask any questions you may still have. The dates for these can be found on our website, where you can book to attend. You are welcome to bring companions with you too.

➤ harper.ac.uk/pgopen

The university is also represented at a range of industry shows and events. The latest dates and venues can be found here:

➤ harper.ac.uk/shows

You are welcome to attend one of our annual Should I do a Masters events and talk over your options with staff.

➤ harper.ac.uk/masters-event

Accommodation

Student Services, Faccenda Centre,
Harper Adams University,
Shropshire, TF10 8NB

➤ +44 (0)1952 815286

➤ accommodationoffice@harper-adams.ac.uk

International students

International Office, Faccenda Centre,
Harper Adams University,
Shropshire, TF10 8NB

➤ +44 (0)1952 815005

➤ internationaloffice@harper-adams.ac.uk

Research

Research Office, Main Building
Harper Adams University,
Shropshire, TF10 8NB

➤ research@harper-adams.ac.uk

➤ +44 (0)1952 815328

Download our free smartphone
app to use our interactive
campus map



➤ harper.ac.uk/app

➤ harper.ac.uk/findus

From Harper Adams to

Distance by road

Telford	10 miles
Stafford	16 miles
Shrewsbury	19 miles
Wolverhampton	23 miles
Birmingham	39 miles
Chester	44 miles
Manchester	64 miles
Liverpool	79 miles
Lincoln	105 miles
Bristol	121 miles
Cardiff	140 miles
York	145 miles
London	153 miles
Edinburgh	277 miles

*Approximate distance / journey times (www.theaa.com)



Harper Adams University
Newport, Shropshire TF10 8NB

➤ harper-adams.ac.uk

➤ postgraduate@harper-adams.ac.uk

Twitter.com/[@HAUpostgraduate](https://twitter.com/HAUpostgraduate)

Youtube.com/[Harper AdamsUC](https://www.youtube.com/HarperAdamsUC)

Facebook.com/[harperadams](https://www.facebook.com/harperadams)

Linkedin/[harper.ac.uk/linkedin](https://www.linkedin.com/company/harper-adams-ac-uk/)

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We are dedicated to reducing our impact on the environment. Please recycle.