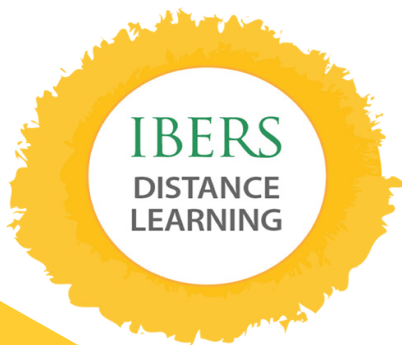




ONLINE AGRIFOOD TRAINING

2026-2027

SUPPORTING **AGRIFOOD**
PROFESSIONALS TO ADOPT
CIRCULAR ECONOMY APPROACHES
FOR **SUSTAINABILITY**

Update your technical skills with single modules
or work your way towards a postgraduate qualification



1872 PRIFYSGOL
ABERYSTWYTH
UNIVERSITY

ibers

RESILIENT CROPS
CNYDAU GWYDN

Contents

Introduction	1
Who are we?	1
Is this programme for me?	2
How is the training delivered?	2
How long will it take?	2
How much work will I need to do?	3
Which is the right scheme for me?	3
When can I start?	3
What qualifications can I gain?	3
Course Themes	5
Work-based Research	6
Taught Modules	7
Online Modules	
Behaviour Change	8
Biomass to Products (In Development)	8
Business Management for Rural Entrepreneurs	9
Food Innovation	9
Genetics and Genomics in Agriculture	10
Grassland Systems	10
Greenhouse Gas Removal	11
Horticulture Science	11
Life Cycle Assessment: Green Skills Development	12
Livestock Health and Welfare	12
Livestock Nutrition	13
Livestock Production Science	13
Low Carbon Livestock	14
Plant Breeding	14
Programming for Agri-technology	15
Silage Science	15
Soil Science	16
Sustainable Supply Systems	16
Waste Resource Management	17
Continuing Professional Development	
Short Courses on FutureLearn	17
Nuffield Scholarship	
Nuffield Scholarship Postgraduate Certificate	18
Nuffield Project Report	19
Nuffield Project Data Analysis and Presentation	19
Nuffield Project Design	20
Other Optional Modules	20
Qualifications and Module Choices	21
Student Testimonials	23

Introduction

Established in 2012, [IBERS Distance Learning](#) has an excellent track record in training agrifood professionals. Our aim is to support the sector to become more sustainable and resilient by helping it to adopt circular economy approaches. Our carefully curated online modules provide you with the latest thinking in sustainability practices and technologies as well as the communication tools to allow you to pass on this knowledge effectively. The IBERS DL programme's 'pay-as-you-go', 'pick-and-mix' format means that you can take individual modules or **build up to a range of postgraduate qualifications***. So, if you are interested in ideas such as: shorter supply chains, waste reduction and tools to identify carbon hotspots, in sectors ranging from meat and dairy to vertical farming, this could be the programme for you!

All our teaching material is online, which means that, provided you have a reasonable internet connection, you can study with us from wherever you are in the world.

** All schemes contain some core elements, so if you intend to work towards a qualification, please check that the modules you would like to take stack up! See the Qualifications & Modules section at the end of this brochure and feel free to get in touch if you need advice on this.*

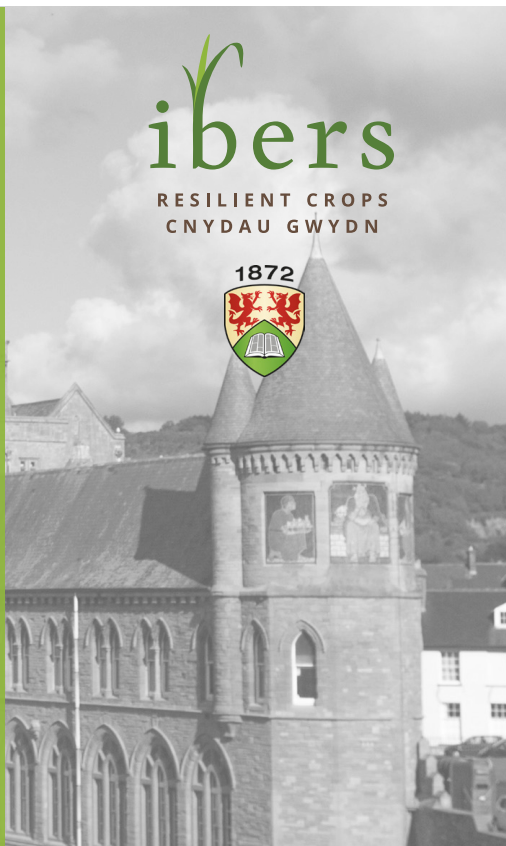
Who are we?

Institute for Biological, Environmental and Rural Sciences (IBERS) at Aberystwyth University

The University was established in 1872 in the historic mid-Wales coastal town of Aberystwyth. [The Institute of Biological, Environmental and Rural Sciences \(IBERS\)](#) has a unique position as a research and teaching institute within the university. As a research institute it traces its origins back to the Welsh Plant Breeding Station (WPBS) which was established in 1919. IBERS is a world leader in forage and ruminant research and hosts the world class AberInnovation - Future Foods Centre. This expertise, and our close association with Aberystwyth's Behavioural Insights Centre, Vet School and Business School, feeds directly into our teaching programmes.

ibers

RESILIENT CROPS
CNYDAU GWYDN



Is this programme for me?

These courses are aimed at anyone interested in improving the sustainability of the agrifood sector. Our students are drawn from large and small food processors, forward thinking farmers and growers, entrepreneurs, biotech, farm vets, feed sales, consultants, advisors, extension workers, researchers, lecturers, policy makers, brewers, and water authorities, to name but a few!

If you are already working in the agrifood sector, our courses provide an ideal way to ensure that your knowledge is up to date and (if you wish) to gain postgraduate qualifications by studying while you are working. Alternatively, if this is a sector that you would like to move into, our courses provide a route for you to gain the qualifications and knowledge you need to start your new career.

If you have a science degree **OR** at least two years relevant experience, you will be able to sign up for a postgraduate qualification. If you don't have relevant experience or qualifications, you are welcome to register for individual modules; if you complete one successfully you can apply to join one of our MSc programmes, transferring in the credits you have completed.

How is the training delivered?

We have designed our training to be as accessible as possible to students who are working and/or are unable to come to the UK. Unless otherwise stated, each topic comprises a 13-week distance learning module worth 20 credits. These can be taken individually for your own continuing professional development or interest, or you can build them into a postgraduate qualification. If you are considering studying for an MSc, MRes or Doctoral qualification you will be expected to take the ['Research Methods'](#) module (see the [Qualifications & Modules section](#) at the end of this guide). The research elements of our Masters and Doctoral qualifications are carried out in your workplace with regular academic supervision. If you are not employed in a relevant sector then you would be expected either to carry out a desk-based study or to negotiate with a local institute or employer to allow you to carry out your research there (this could involve additional costs, not covered by the programme).

How long will it take?

Flexible Part-time: From the initial start date you have a maximum of 5 years in which to complete as many or as few modules as you wish. If, however, you are undertaking a part-time Doctorate, you are permitted an additional two years, giving you seven years in total. An MSc or MRes cannot be completed in less than three years.

Three Years Part-time: This route has been designed for MSc or MRes students in receipt of a UK Postgraduate Study Loan, which requires completion within 3 years. You will be expected to study at a rate of three modules per year.

How much work will I need to do?

Our distance learning modules are designed to be flexible so that you can fit studying around your work and other commitments. A typical Masters student is expected to study for 200 hours, in total, when taking a 20-credit module. Our students report spending 10 to 15 hours a week per module studying. Obviously, the more time and effort you can put in the more you'll benefit from studying the module and the better your grades are likely to be.

If you are working full-time, we strongly **advise against taking more than one module at the same time**, at least until you have completed one and are aware of the workload involved.

Which is the right scheme for me?

IBERS DL hosts three taught Masters (MSc) schemes, a separate [Postgraduate Certificate \(PGCert\)](#), two Research Masters (MRes) schemes and two Professional Doctorates. Which scheme you choose will depend on (1) whether you want to mainly be taught, or mainly carry out research, and (2) what combination of modules you would like to take. Have a look at the '[What Qualifications can I gain?](#)' section below for more details.

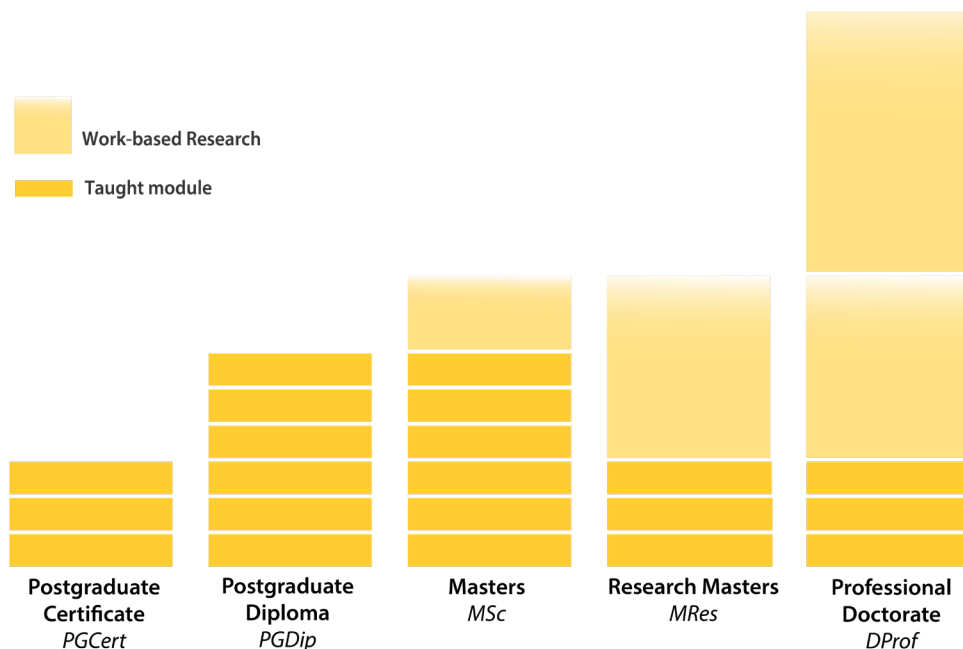
When can I start?

Modules are delivered in a rolling programme, with start dates in January, May and September. You may begin with whichever of your chosen modules is most convenient. The blocks are repeated each year to allow you to cover all your module choices over your years of study: if you are unable to take one in any year you can take it in the next. If you are working towards a qualification, make sure that your module choices stack up! See the 'Qualifications & Modules' section at the end of this brochure.

What Qualifications can I gain?

You are welcome to take only one or two modules for your own interest. If, however, you would like to gain a qualification, you will need at least 60 credits to achieve a [postgraduate certificate \(PGCert\)](#). Various routes are available, from a PGCert to a Professional Doctorate.





» Taught Qualifications

A Master of Science (MSc) comprises 120 credits of taught material and 60 credits of dissertation. If you don't wish to go as far as an MSc you can exit with either a [Postgraduate Certificate \(PGCert\)](#) worth 60 credits or a [Postgraduate Diploma \(PGDip\)](#) worth 120 credits.

» Research Degrees

Research Masters (MRes) - these programmes place a greater emphasis on research, rather than on taught elements. If you undertake the MRes you will need to pass any two 20 credit taught modules plus the [Research Methods](#) module. You will then work, with designated supervisors, on a 120-credit dissertation, as described in the **Work-based Research section**.

» Professional Doctorates

The aim of our [Professional Doctorate programmes](#) is to offer a qualification which, whilst being equivalent in status and challenge to a PhD, is more appropriate to those who are pursuing a professional rather than an academic career.

It provides a career development path, but it also offers an opportunity for industry to engage in meaningful research. The Doctoral route starts with the MRes (*see above*) which forms Part I of the doctorate. The Part II/Doctorate is then undertaken for a minimum of three years (part-time) or two years (full-time) and comprises a longer thesis (up to 60,000 words). This thesis will involve experimentation and must embody the methodology and results of original research. It should, ideally, build upon your Part I dissertation.

COURSE THEMES

For core and optional modules see the **Qualifications & Module Choices Table** towards the end of the brochure

Agriculture Courses

While each module in this programme covers a different area of technical expertise, they all focus on the challenges facing livestock production systems and on their potential solutions.

Four routes are offered:

- [MSc Sustainable Agriculture \(MSc, PGDip, PGCert\)](#) allows you maximum flexibility if you wish to develop and update your knowledge within specific areas of livestock production.
- [PGCert Livestock Science](#) provides a very focused introduction to the livestock sector, with no optional modules.
- [MRes Agriculture](#) If you would prefer a more research-focused route, then this route will be of interest.
- [Doctor of Agriculture \(DAg\)](#) builds on the [MRes Agriculture](#) to provide a deeper dive into agricultural research.

Agrifood Innovation Courses

The focus of these schemes is on facilitating knowledge flow along the agrifood supply chain. Optional modules from [IBERS](#), [Aberystwyth Business School](#) and [Swansea University](#) allow students to delve into specific facets of the supply chain and/or to expand their repertoire of communication skills.

Three routes are offered:

- [MSc Agrifood Innovation \(MSc, PGDip, PGCert\)](#) choose 4 optional modules from a menu of 18. Core to this scheme is the Sustainable Supply Systems module.
- [MRes Agrifood Innovation](#) If you would prefer a more research-focused route, then this route will be of interest.
- [Doctor of BioInnovation \(Prof Doc\)](#) builds on the [MRes Agrifood Innovation](#) to provide a deeper dive into agricultural research.

Please note: Business School modules are only available in the UK and fees are higher than IBERS DL fees.

Other Courses

- [Nuffield Farming Scholarship PGCert](#) - Only available to past and present Nuffield Farming Scholars.

WORK-BASED RESEARCH

All research projects involve a detailed review of the academic literature in your discipline, to enable you to identify a research question that responds to a 'gap in the knowledge' that your project can address. You will then design an appropriate strategy to find an answer to that question and you will identify appropriate methods to both collect and analyse data. Both MSc and MRes dissertations build on the research proposal that you will develop during the [Research Methods](#) module, and you will be given structured academic support from a subject-specialist supervisor.

[Research Methods](#)

(Taught Module)

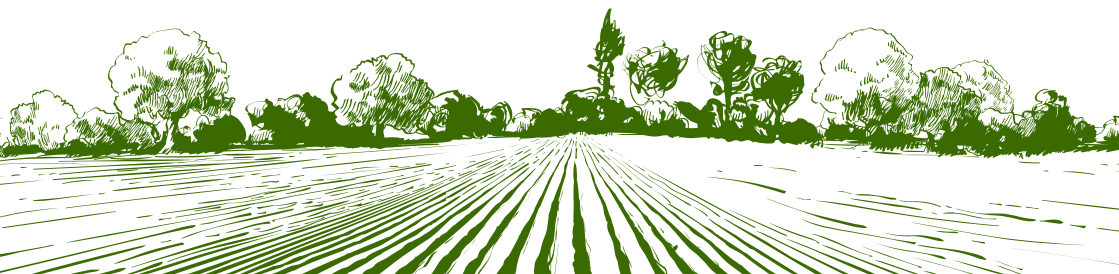
This is a core (compulsory) module for all MScs, MRes and Prof Doctorate programmes. It runs three times a year, in January, May and September, for 13 weeks and is worth 20 credits.

It provides a framework for developing your research skills in the context of your own research question and, as such, is generally, but not always, the last taught module taken. You should have a clear idea of at least a broad research topic before undertaking this module. The teaching team will match you with a tutor and with an academic supervisor whose research field is in your area of interest. Your tutor and academic supervisor will then guide you as you develop your ideas. The

Dissertations

Two dissertation routes are available through this programme:

- **MSc Dissertation (60 Credits)** – this forms the research component of the Masters (MSc). It will normally be 12,000 – 15,000 words in length, with a maximum of 20,000 words. Part-time students should expect to complete their dissertation within a year.
- **MRes Dissertation (120 Credits)** - this forms the research component of the MRes and is intended to provide both meaningful research for the industry and, for Professional Doctorate candidates, a solid foundation for the longer Part II thesis. We anticipate that most part-time students will take two years to complete their MRes dissertation. The assessment of this research project is composed of two parts (A & B). Part A is the 'thesis' (not more than 8,500 words) which should be presented for assessment in the form of a research paper (guidance provided) for an appropriate scientific journal, as agreed with your academic supervisor. This part is worth 90% of the overall marks. Part B is a recorded presentation of the project, lasting not more than 12 minutes. This part is worth the remaining 10% of the overall marks.



TAUGHT MODULES

The following section details the modules in alphabetical order and our planned delivery dates can be found at www.ibersdl.org.uk. Additionally, our [Agrifood Innovation MSc](#) schemes offer 3 optional modules that are delivered in person by [Aberystwyth University Business School](#) and are not timetabled to set dates.

Please Note:

Business School, workshop-based modules are available to UK students, **these incur a higher fee.**



Learn More:



WWW.IBERSDL.ORG.UK/STUDY-OPTIONS/WORKSHOP-MODULES

The [Qualification & Module Choices section](#) towards the end of the brochure also lists all modules and shows which schemes they fit into.

Unless otherwise stated, all modules are delivered online, run for 13 weeks, and are worth 20 credits.

ONLINE MODULES and their CONTENT

In addition to the modules listed below, we are continually developing new and innovative content. To learn more, please visit www.ibersdl.org.uk.



Behaviour Change

8

Learn how to increase the uptake of new knowledge, ideas, products and policies

We face many challenges in our transition to zero-carbon including adapting behaviours to engage with new knowledge, ideas, products, and policies. However, attempts to change people's behaviours are often unsuccessful, even if they acknowledge that the changes would be beneficial. That's because people are not really rational! Behavioural insights are increasingly being used to encourage positive behaviour change in relation to the environmental challenges that we face. Whether it's developing policies to reduce energy consumption, or community projects to reduce food waste, or interventions to encourage recycling, the outcomes can be improved using appropriate behaviour change approaches.



IN DEVELOPMENT

Biomass to Products

This module will explore the evolving field of **Industrial Biotechnology**, with a focus on its role in supporting the UK's transition to a more sustainable, bio-based economy.

The module will provide a comprehensive overview of current industrial biotechnological processes, emphasizing their advantages, limitations, and sustainability within real-world applications. Students will use case studies to assess the environmental and economic impacts of scaling plant-based biotechnologies, focusing on resource efficiency, energy use, and waste management within sustainable industrial practices.





Business Management for Rural Entrepreneurs

Equip yourself with the skills and knowledge you need to become a successful entrepreneur.

Key skills include: leadership, business analysis and planning, change management and strategies to identify risk and build in resilience. You will learn how to develop a robust and logical business plan and will use these skills to create one for your own new venture. Because the module requires knowledge of Microsoft Excel, it also contains a short online course on using Excel to help students who may have limited experience of this package.

Food Innovation

Learn how to identify possible technological solutions to food processing or food development, to produce new and innovative products.

This module will showcase to students the new technologies for food production and quality assessment. The students will be given examples of the possible technologies with in-depth explanations through case studies on how these technologies are currently used, before looking at some 'future technologies' and how a business might look to invest in such early stage technologies at research stage. Examples include Biorefining, Secondary and Tertiary Fermentation and Nutrient Separation, Metabolomics and Hyperspectral Imaging, and Insect Proteins for both Human and Livestock Consumption.



Genetics and Genomics in Agriculture

Gain a working knowledge of the principles and technologies that underpin modern breeding programmes.

This module will focus on the challenges facing land-based production in the 21st century, such as the transition to zero-carbon, climate change mitigation and adaptation, and the delivery of global food security. After initially detailing the broad objectives and methods involved in breeding programmes, the module structure allows you to focus on a specific crop or animal breeding pathway. It will give you an understanding of the methodologies applied in molecular and population genetics. The role played by emerging technologies in meeting the grand challenges sustainably will be explored.



Grassland Systems

Learn to maximise the potential of grasslands for food production and ecosystem services.

In addition to livestock production, grasslands could reduce biodiversity loss and, as a carbon sink, help to mitigate climate change and aid the transition to zero-carbon. This module looks at the range and distribution of grassland and forage crops. Nutrient management and environmental protection are themes throughout, as are strategies for grazing and forage preservation. The role of plant breeding and management is investigated. The ecosystem services and management requirements of a range of grassland systems will be evaluated.



Greenhouse Gas Removal

This module explores greenhouse gas (GHG) removal, with a focus on land-based carbon dioxide removal (CDR) strategies, their effectiveness, and their policy and economic contexts.

This module covers GHG removal, focusing on policy drivers, economic incentives, and the need for carbon removal alongside emissions reduction. It explores carbon accounting, market influences, and methods like BECCS, biochar, peatland restoration, enhanced rock weathering, and Direct Air Carbon Capture. It also addresses monitoring and evaluation, including tools like Life Cycle Assessment (LCA).

By the end, students will understand GHG removal strategies, their feasibility, and real-world implementation challenges.

Horticulture Science

Explore the underlying scientific principles that unlock sustainable horticulture.

This module provides a robust understanding of the scientific principles that will prepare students with a common language and fundamental knowledge base to respond to critical global challenges, including: climate change mitigation and adaptation, food security, halting biodiversity loss, and the transition to a zero-carbon economy within this diverse sector. It will cover above and below-ground biology, the interactions that enable plant health, and the micro and macro environmental strategies that can be utilised to maximise plant performance and/or ecosystem services.



Life Cycle Assessment: Green Skills Development

Evaluating environmental impacts: do your assessments measure up?

Life Cycle Thinking underpins efforts to improve the environmental, social and economic sustainability of production—especially as sectors transition towards net zero. Life Cycle Assessment (LCA) is widely used to quantify impacts, identify hotspots, and test the consequences of change. Its scope now extends beyond environmental impacts to include Social LCA, Life Cycle Costing, and integrated Life Cycle Sustainability Assessment. With the growth of the circular economy, assessments increasingly consider reuse and recycling within 'cradle to cradle' systems.



Livestock Health and Welfare

Improving the living conditions of livestock benefits the animal, the business, and society

This module is focused on reducing the waste caused by poor health and welfare. You will look at the general legislation and management of health and welfare, focussing on current methods of assessing and improving health and welfare in cattle, sheep, pig and poultry systems, as well as the economic implications of poor health and welfare. You will evaluate different methods of improving welfare and controlling disease for your chosen sector, as well as assessing the potential benefits of current and future research.



Livestock Nutrition

Learn to improve production efficiency and meat and milk quality whilst reducing impacts

This module will look at the principles of livestock nutrition in a broad context. It covers the evaluation of feeds as well as the principles of metabolism and the nutritional requirements of the animal. As well as discussing the roles of minerals and vitamins in livestock nutrition, the module will also look at some of the latest research in these areas and at how this knowledge can be applied when formulating rations.



Livestock Production Science

An introduction and overview of livestock production systems

The focus of this module is on how to increase the efficiency of both intensive and extensive livestock production systems. It draws upon research within IBERS and elsewhere and will cover topics which include the growth and development of livestock, parasitology, reproductive technologies, precision livestock farming technologies, disease epidemiology, and livestock performance and welfare.

Low Carbon Livestock

Low carbon livestock - towards a greener future

Low carbon livestock will examine the challenges facing the livestock industry in relation to reduction in greenhouse gas emissions and maintenance or improvement of livestock productivity. Challenges facing both the western and developing world will be explored along with cutting edge technologies to enhance productivity whilst reducing the environmental impact. Different farming strategies will be considered in relation to biodiversity and carbon capture along with interactions with greenhouse gas emissions. The use of recycling former feeds/foods in a circular economy will also be addressed.



14



Plant Breeding

New crop and forage varieties are key to meeting global challenges

This module is designed to give those with an interest in plant breeding a comprehensive understanding of what it takes to bring a variety from concept to market. Featured crops include beans, peas, oats, ryegrass, clover, and energy crops. We consider all aspects of what makes a commercial plant breeding program successful. Real datasets will demonstrate the challenges a breeder faces when making selections. You will undertake case studies to look in depth at the process of breeding a crop of your choice.

Programming for Agri-technology

Digital skills are increasingly important in the agrifood sector, where they are becoming essential for achieving long-term environmental and economic goals.

This introductory course on programming for agritech will delve into the foundational principles of programming and computational logic essential for navigating the dynamic landscape of agricultural technology. Whether you're a novice or have some prior experience, this course is designed to equip you with both theoretical knowledge and hands-on skills necessary to design and build your own programme to integrate agritech tools into useful systems.



Silage Science

Why waste time and resources making poor silage?

Small improvements at each stage of the ensiling process can help to reduce waste and improve silage quality, so reducing some of the costs and impacts of ruminant production. This module will develop your knowledge of modern forage and grain ensilage systems, giving you the skills to integrate recent research into your work. It will examine silage evaluation; fermentation; microbiology; inoculant development; pathogen transfer; and food safety. Although there will be an emphasis on ensiling grass, the processes for grain, non-arable crops and food by-products will also be described and evaluated, and the benefits of ensiling green biomass for biorefining purposes will be explored.

Soil Science

This module provides an in-depth exploration of soil, encompassing its formation, function, classification, and properties. It highlights the connections between soil, plants, and microorganisms, emphasizing its critical role in food production and global food security. Additionally, the module delves into the consequences of human actions on soil, such as fertilizer use and changes in land use, while also examining the use of precision tools and data for promoting sustainable soil management.



Sustainable Supply Systems

A look at innovative approaches to economic and environmentally sustainable supply systems.

Food and other bio-based producers, processors and retailers need to work together to maintain product supply for a sustainable future and food security. This module will draw on the latest research to explore the concept of sustainability and the challenges to achieving it. It will consider how economic, environmental and social sustainability can be improved and governed, and examine innovative approaches and technologies available to support this process while maintaining food security and the supply of safe and high-quality products. This module will be of interest to anyone seeking to understand more about sustainability and how it can be improved in any bio-based supply system.

Waste Resource Management

Take a Circular Economy approach and learn how 'waste' can become a valuable resource

This module focusses on resource management within the food sector, highlighting the latest relevant research within production, processing, and retail. You will learn about the latest advances in waste management technology, considering resource management strategies from across the spectrum of UK and international business types within food supply networks.



CONTINUING PROFESSIONAL Development

Short Courses on FutureLearn

If you'd like to start with a free introductory course, you might prefer one of our short courses on FutureLearn. Current options include:

- Plants to Products: An Introduction to Biorefining
- Greenhouse Gas Removal: Land-based Solutions
- Life Cycle Assessment (LCA): Sustainability Principles (Part 1)
- Life Cycle Assessment (LCA): Interpretation and Evaluation (Part 2)
- Rural Entrepreneurship
- Bespoke Inventory Systems: Design & Build for Small Businesses
- Food Innovation: Fermenting the Future
- Future of Food: Building Sustainable Food Supply Systems
- Livestock Science 101: Exploring Animal Health, Welfare & Nutrition
- Drive Success with Project Management Essentials
- Introduction to Behaviour Change: Concepts, History, and Global Impacts
- Get Smart with Grass: Grazing Management and Animal Nutrition



This Postgraduate Certificate, worth 60-credits, is only available to current or past recipients of the Nuffield Farming Scholarship. It has been designed in collaboration with the Nuffield Farming Trust to support scholars in developing skills to:

- Explain the current and future challenges facing the agri-food sector.
- Synthesise information from industry and peer reviewed literature.
- Compare the approaches taken to address specific challenges to the industry.
- Evaluate the extent to which new approaches and practices might be applied to systems in their home country.



NUFFIELD
Farming Scholarships



Course Structure

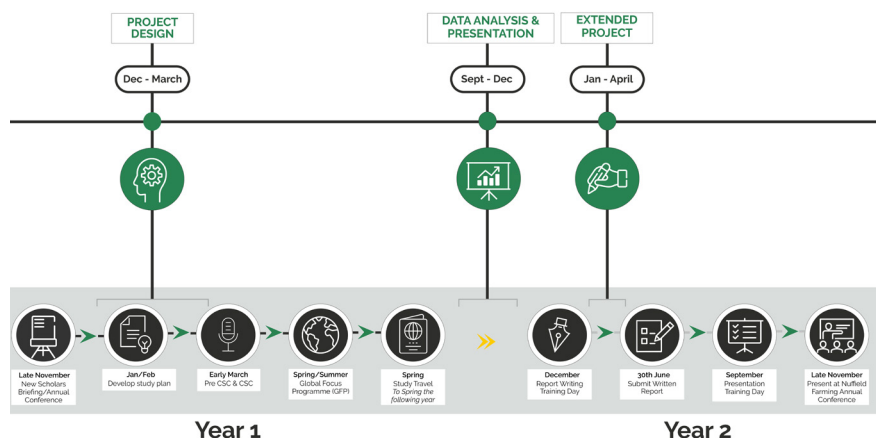
We have created three dedicated Nuffield modules: **Extended Project (Mandatory)**, **Data Analysis and Presentation (Optional)** and **Project Design (also Optional)**.

Since only the Extended Project is core to the programme, scholars can choose the level of support they need to write or (if they are a past scholar) re-write their Nuffield report in an academic style.

For those who don't feel the need to take the optional Nuffield modules, other modules are available. However, we would recommend that scholars without a postgraduate qualification, take all three of the dedicated Nuffield Modules.

Timing

Scholars will be registered for 3 years, and we have designed the course to fit around the both the Nuffield and the University timetables:



All Nuffield Scholars are welcome to access the first two weeks of the Project Design module for free and without commitment. New scholars who decide to enrol on the full module before their tour, will need to complete the trial 2-weeks and register as a student **BEFORE** the full module commences mid-January.



DEDICATED NUFFIELD MODULES

The following modules are worth **20 credits** and are **delivered entirely online**:

Nuffield Project Report (Core)

This module aims to support you to achieve a rigorous academic standard in your study Nuffield report.

The module timetable means that we will be able to give you feedback on your report before it is submitted to the Nuffield Farming Trust.



Nuffield Project Data Analysis and Presentation (Optional)

This module runs each September and is designed for use after the Nuffield Farming study tour.

You will gain an understanding of the principles of quantitative and qualitative data collection and develop skills in a range of techniques to characterise, analyse and present your data. You will also access and utilise scientific literature to interpret and discuss your research findings. This module is assessed via an online statistics quiz and a written data report.





Nuffield Project Design (Optional)

This module must be completed prior to the Nuffield study tour in March.

Start, via the [free sample in November/December which covers:](#)

- Key Academic Skills,
- Using Academic Literature.

If, after working through this, you decide you would like to continue, you will need to apply to be a student before Christmas for a January start. The remainder of the module will support you in planning your research and data collection.

Before you go on study tour, you will be expected to have submitted: A reflective journal, and a Research Proposal, outlining the aims and objectives of your study tour and how you hope to achieve them.

OTHER OPTIONAL MODULES

Other Options in this PGCert are as follows:

- [Livestock Nutrition](#)
- [Sustainable Supply Systems](#)
- [Waste Resource Management](#)
- [Grassland Systems](#)
- [Livestock Production Science](#)
- [Silage Science](#)
- [Genetics and Genomics in Agriculture](#)
- [Livestock Health and Welfare](#)
- [Horticultural Science](#)
- [Business Management for Rural Entrepreneurs](#)
- [Plant Breeding](#)
- [Behaviour Change](#)
- [Low Carbon livestock](#)

Qualifications & Module Choices

21

Qualification		MSc Sustainable Agriculture	MSc Agrifood Innovation	MSRes Agriculture	MRes Agrifood Innovation	PGCert Nuffield	PGCert Livestock Science
MODULE	CODE	Choose 5 Options	Choose 4 Options	Choose 2 Options	Choose 2 Options	Choose 2 Options	
Behaviour Change	BDM8820		✓		✓	✓	
Biomass to Products	BDM2920		✓		✓	✓	
Business Management for Rural Entrepreneurs	BDM8320	✓	✓	✓	✓	✓	
Coaching and Mentoring for Leaders	MMM5820		✓				
Dissertation	BDM3560	✓	✓				
Facilitation for Organisation Leadership	MMM5920		✓				
Food Innovation	BDM2520		✓		✓	✓	
Genetics and Genomics in Agriculture	BDM5820	✓	✓	✓	✓	✓	
Grassland Systems	BDM5120	✓	✓	✓	✓	✓	✓
Greenhouse Gas Removal	BDM2620		✓		✓	✓	
Horticultural Science	BDM6920		✓		✓	✓	
Life Cycle Assessment: Green Skills Development	BDM3420	✓	✓	✓	✓	✓	
Livestock Health and Welfare	BDM5920	✓	✓	✓	✓	✓	
Livestock Nutrition	BDM0320	✓	✓	✓	✓	✓	✓

Qualification

		MSc Sustainable Agriculture	MSc Agrifood Innovation	MRes Agriculture	MRes Agrifood Innovation	PGCert Nuffield	PGCert Livestock Science
MODULE	CODE	Choose 5 Options	Choose 4 Options	Choose 2 Options	Choose 2 Options	Choose 2 Options	
Livestock Production Science	BDM5420	✓	✓	✓	✓	✓	✓
Low Carbon Livestock	BDM1520	✓	✓	✓	✓	✓	
MRes Research Project	BDM0060/0260			✓	✓		
Leading Change	MMM5720		✓				
Nuffield Project: Data Analysis and Presentation	BDM3220		✓			✓	
Nuffield Project Design	BDM3120		✓			✓	
Nuffield Scholarship Project: Extended Report	BDM3320		✓			✓	
Plant Breeding	BDM8420	✓	✓	✓	✓	✓	
Programming for Agri-technology	BDM2420		✓		✓		
Research Methods	BDM0120	✓	✓	✓	✓		
Silage Science	BDM5620	✓	✓	✓	✓	✓	
Soil Science	BDM2320	✓	✓	✓	✓	✓	
Sustainable Supply Systems	BDM1120		✓		✓	✓	
Waste Resource Management	BDM1220		✓		✓	✓	



Core



Option



"Having never seen a business plan before or really looked at a set of farm accounts it was definitely a steep learning curve, however I enjoyed thinking about future diversification of my farm and writing a business plan for this purpose."

Jules Sandford, Farmer



"One of the biggest advantages of these courses is that I directly apply my experience and knowledge to the modules, in doing so it is easy to notice gaps in my knowledge and this encourages me to do more research. Even for the tasks that I routinely do, I now question myself more and I always want to find out what the current research on a particular topic is about."

Seke Kazuru, Bioinformatics Scientist, Malawi



"It's been life changing!"

**Jemimah Mathenge,
UN Intern and Commonwealth Scholar**

"This is the best experience I have had of higher education distance learning. I was extremely well supported and advised and I am looking forward to continuing."

Sara Worrall, International Charity Coordinator



"High standards, flexible learning - perfect for working professionals"

Tim Stephens, Catchment Advisor, Wessex Water



Brilliant module - it's given me loads to reflect on and given me a broader perspective on complexity. ...For me the most significant piece of research highlighted in this module was the importance of collective action and cooperation to create sustainable networks and synergy. [I will use what I have learned] to support the development of school farms and gardens, education around nutrition and sustainable food production for the next generation (and their families)."

Mike Goldthorp, Trainer



"In my job is very necessary to know about the process for making silage especially because this a topic for development in my country."

**Javier Castillo Sierra
Agri Researcher, Colombia**



"... you can listen to lectures like a podcast, easy for milking, tractor work, or if you've got sheep to run through a race."

George Peart, Principal Sustainability Consultant at Promar International



"Distance Learning is particularly attractive to me as it has granted me an opportunity to study and work at the same time."

**Maureen Hamiyanze,
Project Officer, Zambia**

"It really pushed my skills and knowledge on to the next level across a broad range of topical industry issues."

**Rachel Martin
Agricultural Editor, The Irish Examiner**



"It's my first module on the DL MSc and I wasn't sure how I'd manage engaging in it. I think it's exceptionally well structured, and I'd highly recommend it."

Tom Furness

Lecturer Reaseheath University



"Each module tempts you into wanting to know more! They provide a good foundation which allows you to take your learning in the direction you want to go.... I have enjoyed the realisation that there is always more to know about everything and loved the process of learning.... The format works well; I can access learning where and when I want to and work pretty much at my own pace with the deadlines there to stop me from procrastinating!"

**Veronika Norman,
Freelance Consultant**



"Part of my work is affecting management changes on farms, behaviour change is crucial."

Kate Hovers, Vet



"This course is great for people who are in the industry and have a science background but also for people like me who are social scientist and need to gain a broad understanding of meat technology."

This will help me in my work managing farmers markets as well as supporting the Cameroon government in developing their local meat industry."

**Carol Adams, Food Adventure
Wales**



"I felt I was at the stage in my career, where I needed to have an additional qualification, but because of family commitments I wasn't able to leave my job to study full time. So this was a great opportunity for me to be able to use what I do in my job, and then also use it as a way to further my studies and improve my qualifications."

**Charlene Kunaka Senior
Technician Animal &
Environmental Science,
Nottingham University**



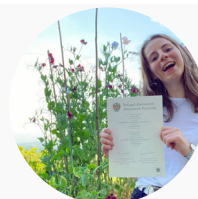
"It was so different to any other module I have studied that I found it really interesting. It has made me question how I am being manipulated in many areas of life"

John Pryce Goodwin



"I work with Welsh red meat farmers as part of my job, developing and implementing project work on farms. This can be trialling new technologies for example, so gaining a broader knowledge on the technologies that are out there for precision agriculture use will really benefit me with developing project ideas for the future."

**Elan Davies, Agri Advisor
Farming Connect**



"I'm delighted to have completed a PGCert in BioInnovation. The modules I have taken (Meat Processing, Precision Livestock, Waste Resource Management) have all been really relevant to industry, really relevant to my role and very current and topical"

**Anna Blakey, Carcass Balance
Manager, Karro Food Group**

"Great learning experience with knowledgeable lecturers."

Sian Spear, Farm Worker



Pictured: IBERS DL Lecturer, Dr Peter Wootton-Beard (*second from left*)
with some of our 2023 Graduates.

MORE INFORMATION
ON ALL OF OUR COURSES AND FEES CAN BE FOUND AT:

www.iversdl.org.uk

CONTACT US ON: +44(0)1970 823224 OR
dl-enquiries@aber.ac.uk

FOLLOW US: