



**Division of
Plant Sciences**

MRes Crops for the Future

Overview

Our one-year M.Res Course ‘Crops for the Future’ is based on the established partnership between the Scottish Crop Research Institute and the University of Dundee, College of Life Sciences. It is aimed primarily at students who intend to make a research career in crop plants and would particularly suit students who intend careers in the breeding, pathology and biotechnology of crop plants, including environmentally friendly methods of controlling crop pests. It would be an excellent background for entry to PhD research in most aspects of crop science.

The course is based on 12 Course Units comprised of lectures, tutorials and practicals, together with a series of case studies where particular course aspects are covered from a detailed practical viewpoint. In addition to Units dealing with contemporary Crop Science, there will be a strong emphasis on aspects of ecology and environmental biology relevant to sustainable agriculture in the 21st Century. Teaching will be delivered by our international leaders in this scientific area and our colleagues in industry and other institutions.

The course places considerable emphasis on training in research skills and is thus fundamentally different from an MSc, where the object is to primarily increase the student’s knowledge. Therefore, a key component of our course is a full-time research project for the last 4 months of the course in a top research laboratory at our institution.

This course is suitable for either UK or overseas students who have obtained a good first degree in any life science or closely related discipline, or for gifted physical science graduates who wish to move into this highly topical area of applied biology.

Financial support is available for UK and EU students, via a BBSRC Masters Training Grant and other potential sources. Prospective students should first apply for the course then, if successful, ask about financial support

Organisers: Andy Flavell, a.j.flavell@dundee.ac.uk
Steve Hubbard, s.f.hubbard@dundee.ac.uk

Further Information

How to apply

Applications should use the web-based UKPASS system which can be reached by a link at the University 'Crops for the Future' website below:

http://www.dundee.ac.uk/postgraduate/courses/crops_for_the_future_mres.htm - follow link to 'Course Website'

Course Fees

Tuition fees are as follows: Home (UK) student fee £3750, Foreign (non-UK) student £10,500

Publicity

The course is visible on the University of Dundee College of Life Sciences webpage and the University central postgraduate webpage:

http://www.dundee.ac.uk/admissions/postgraduate/courses/coursepages/crop_environmental_science_mres.htm
http://www.lifesci.dundee.ac.uk/MRes_CES

Both of these contain short descriptions which link to our comprehensive dedicated course website <http://www.lifesci.dundee.ac.uk/courses/MRes/CES/> which details the rationale and structure of the course. The course is advertised on <http://www.FindAMasters.Com>, the main conduit for application enquiries.

Press Release

We are pleased to announce a new 1-year MRes Course based on the established partnership between the internationally renowned Scottish Crop Research Institute and the University of Dundee, College of Life Sciences. Our course is aimed primarily at students who intend to make a research career in crop plants and would particularly suit students who intend careers in the breeding, pathology and biotechnology of crop plants, including environmentally friendly methods of controlling crop pests. It would be an excellent background for entry to PhD research in most aspects of crop science.

The course is based on 11 taught Course Units, together with a series of case studies where particular course aspects are covered from a detailed practical viewpoint. In addition to Units dealing with contemporary Crop Science, there will be a strong emphasis on aspects of ecology and environmental biology relevant to sustainable agriculture in the 21st Century. Teaching will be delivered by our international leaders in this scientific area, together with our colleagues in industry and other institutions.

The course places considerable emphasis on training in research skills and is thus fundamentally different from an MSc, where the object is to primarily increase the student's knowledge. Therefore, a key component of our course is a full-time research project for the last 4 months of the course in a top research laboratory at our institution.

An M.Res is valuable only if it is carried out at an institution where the facilities and expertise are world class. Both the SCRI and the College of Life Sciences* are internationally recognised as possessing world class capacity for the training of postgraduates, not only in terms of the excellence of the staff who teach the course, but also the outstanding facilities available for students to use. These include state-of-the-art microscopy, molecular biology and bioinformatics capabilities, together with extensive plant breeding, controlled environment and field-scale experimental facilities. We also have extensive collaborations with other institutions including the major plant breeding companies Worldwide.

This course is suitable for either UK or overseas students who have obtained a good first degree in any life science or closely related discipline, or for gifted physical science graduates who wish to move into this highly topical area of applied biology.

* UK Government Research Assessment Exercise 5-star rating (top grade)



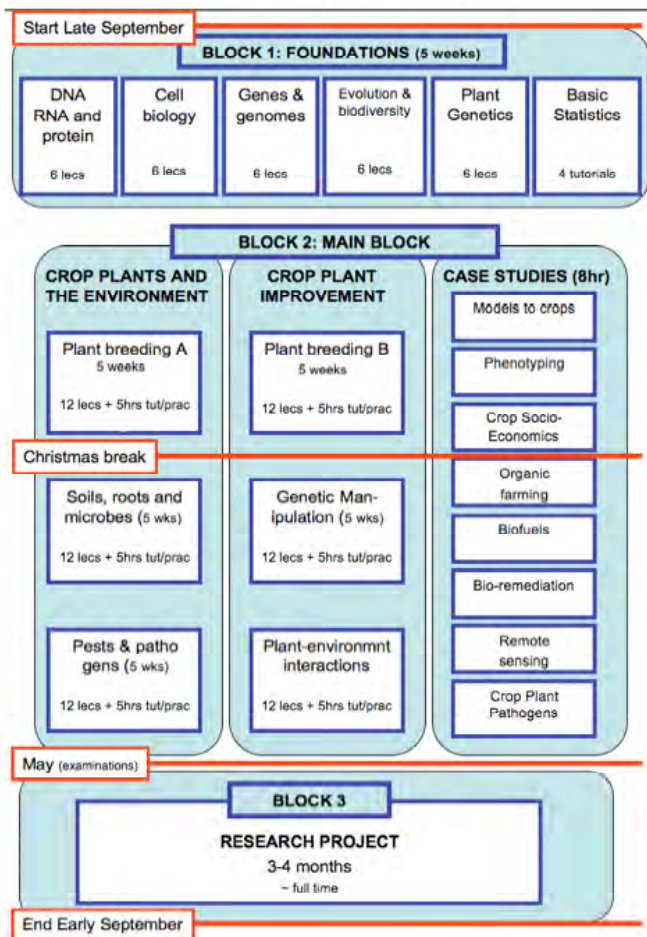
This one year course will enhance students' skills in modern approaches to crop plant improvement and environmental science. The modular course builds on the breadth of expertise of the Scottish Crop Research Institute and the University of Dundee College of Life Sciences. It will provide a combination of theoretical training and practical research skills in crop biotechnology for the 21st century

Course Structure

Teaching will be delivered by leaders in their fields from both our institutions and external organizations. The course will suit UK or overseas students with a good first degree in any life science or related discipline, or physical science graduates wishing to move into this area of science. It will be an ideal foundation for post-graduate research, including PhD study.



Practical crop breeding



Graphical display of crop plant genotypes

Further details of the course can be viewed at <http://www.lifesci.dundee.ac.uk/courses/MRes/CES/>

Or by contacting us:

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