

Programme Specification

MSc Molecular Medicine (full-time)

PFTZMOLMEDHM

For students entering in 2023/24

This document sets out key information about your Programme and forms part of your Terms and Conditions with the University of Reading.

Awarding Institution	University of Reading
Teaching Institution	University of Reading
Length of Programme	MSc Molecular Medicine (full-time) - 12 months
Accreditation	N/A
Programme Start Dates	September

Programme information and content

The course aims to provide students with an overview of the molecular and cellular causes and treatments of human diseases and provide practical and theoretical understanding of the most important current topics in molecular medicine. It will prepare students for subsequent PhD studies or for pursuing a research career in industry or academia by providing them with:

- Practical experience of the most important laboratory techniques used in molecular medicine and an understanding of experimental design and statistical analysis;
- Critical appraisal skills for understanding topics at the cutting edge of modern biomedical research;
- The ability to plan, manage and conduct an in-depth lab based research project; and

Detailed knowledge of topics at the forefront of molecular medicine including cancer biology, cardiovascular diseases, stem cells & regenerative medicine and synthetic biology.

Module information

The programme comprises of 180 credits, allocated across a range of compulsory and optional modules. Compulsory modules are listed.

Compulsory modules

Module	Name	Credits	Level
BIMBC1	Research Planning and Project Management	10	M
BIMBC2	Biology of Cancer	20	M
BIMBD1	Regenerative Medicine	20	M
BIMBD2	Cardiovascular disease and therapeutics	20	M
BIMBE2	Synthetic Biology	20	M
BIMBF1	Research Techniques, Analysis and Experimental Design	20	M
BIMBPRO2	Research project	70	M

Part-time or flexible modular arrangements

Part-time study is not available as an option.

Additional costs of the programme

Lab coats are required and can be purchased for £12.

Costs are indicative and may vary according to optional modules chosen and are subject to inflation and other price fluctuations.

The estimates were calculated in 2022.

Optional modules

The optional modules available can vary from year to year. An indicative list of the range of optional modules for your Programme is set out in the Further Programme Information. Details of any additional costs associated with the optional modules, will be made available to you prior to the beginning of the programme. Entry to optional modules will be at the discretion of the University and subject to availability. Although the University tries to ensure you are able to take the optional modules in which you have expressed interest this cannot be guaranteed.

Placement opportunities

With the agreement of their dissertation supervisor, students may be allowed to study abroad in a collaborators lab or to learn a new research technique as part of their project work.

Study abroad opportunities

N/A

Teaching and learning delivery

Teaching is organised in modules. The delivery of materials takes a variety of forms including lectures, practical classes, seminars and small group discussions.

Total study hours for your programme will be 1800 hours. The contact hours for your programme will depend upon your module combination; an average for a typical set of modules on this programme is – 240 hours. In addition to your scheduled contact hours, you will be expected to undertake guided independent study. Information about module contact hours and the amount of independent study which a student is normally expected to undertake for a module is indicated in the relevant module description.

Accreditation details

N/A

Assessment

Assessment is modular and involves coursework. The nature of the assessment is determined by the aims of the module. A project supervisor is appointed for each student.

Progression

Students will be required to pass the compulsory taught modules with at least a 50% average before being allowed to progress to the research project.

Classification

The University's taught postgraduate marks classification is as follows:

Mark Interpretation

70 - 100% Distinction

60 - 69% Merit

50 - 59% Good standard (Pass)

Failing categories:

40 - 49% Work below threshold standard

0 - 39% Unsatisfactory Work

For Masters Degree

To qualify for **Distinction**, students must

- i. gain an overall average of 70 or more over 180 credits; and
- ii. a mark of 60 or more for the dissertation; and
- iii. the total credit value of all modules marked below 50 must not exceed 55 credits; and
- iv. students must not have any mark below 40.

To qualify for **Merit**, students must

- i. gain an overall average of 60 or more over 180 credits; and
- ii. a mark of 50 or more for the dissertation; and
- iii. the total credit value of all modules marked below 50 must not exceed 55 credits; and
- iv. students must not have any mark below 40.

To qualify for **Passed**, students must

- i. gain an overall average of 50 or more over 180 credits; and
- ii. a mark of 50 or more for the dissertation; and

- iii. the total credit value of all modules marked below 50 must not exceed 55 credits; and
- iv. the total credit value of all modules marked below 40 must not exceed 30 credits.

For PG Diploma

To qualify for **Distinction**, students must

- i. gain an overall average of 70 or more over 120 credits; and
- ii. In addition, the total credit value of all modules marked below 50 must not exceed 55 credits; and
- iii. students must not have any mark below 40.

To qualify for **Merit**, students must

- i. gain an overall average of 60 or more over 120 credits; and
- ii. the total credit value of all modules marked below 50 must not exceed 55 credits; and
- iii. students must not have any mark below 40.

To qualify for **Passed**, students must

- i. gain an overall average of 50 or more over 120 credits; and
- ii. the total credit value of all modules marked below 50 must not exceed 55 credits; and
- iii. the total credit value of all modules marked below 40 must not exceed 30 credits.

For PG Certificate

To qualify for a **Postgraduate Certificate**, students must

- i. gain an overall average of 50 or more over 60 credits; and
- ii. the total credit value of all modules marked below 40 must not exceed 10 credits.

For further information about your Programme please refer to the Programme Handbook and the relevant module descriptions, which are available at <http://www.reading.ac.uk/module/>. The Programme Handbook and the relevant module descriptions do not form part of your Terms and Conditions with the University of Reading.

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17 June 2022

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