

Course Information Form

This Course Information Form provides the definitive record of the designated course

Section A: General Course Information

Course Title	MSc Pharmacology with Project Management - COPY - COPY
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Professional, Statutory or Regulatory Body (PSRB) accreditation or endorsement	N/A
HECoS code(s)	100250, 100812
UCAS Course Code	N/A

Course Aims	<p>The aim of the course is to provide you with a fundamental understanding of drug research and development and treatment of relevant human diseases, and practical experience of new technologies including Project Management applied to relevant areas of pharmacology at an advanced level. This course will provide opportunities for specialisation through a choice of project in one of the four following main themes – (i) cell and molecular biology, (ii) molecular pharmacology, (iii) drug discovery and development, (iv) clinical pharmacology and therapeutics. These will provide graduates with the expertise for subsequent employment in organisations undertaking these techniques and/or research.</p> <p>Project management themes, i) project management, ii) leading and managing organizational resources, iii) personal professional development and iv) developing independent research are organized to enable develop a systematic understanding of project management and key employability skills.</p>
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	Upon successful completion of your course you should meet the appropriate learning outcomes for your award shown in the table below	
	Outcome	Award
1	Demonstrate a systematic understanding and a critical awareness of new technologies in cell and molecular biology;	Msc Pharmacology with Project Management
2	Show in-depth knowledge and understanding of the pharmacology of receptors especially with respect to emerging drug targets and putative mechanism of drug action;	Msc Pharmacology with Project Management
3	Demonstrate significant knowledge and understanding of the principles of drug design, pre-clinical evaluation, clinical trials, regulatory affairs and application of new technologies in the drug discovery and development process;	Msc Pharmacology with Project Management
4	Show in-depth knowledge and understanding of the therapeutic concepts and general principles relating to, causes, aetiology, epidemiology, and diagnosis of human diseases in current clinical practice, as well as drug adverse effects;	Msc Pharmacology with Project Management

Course Learning Outcomes	5	Use confident and accurate language to present work both orally and in written form including use of graphs and images to clearly illustrate complex points;	Msc Pharmacology with Project Management
	6	Synthesise and effectively use information from a variety of relevant sources and to independently and critically evaluate current research and advanced scholarship in the relevant subject areas;	Msc Pharmacology with Project Management
	7	Demonstrate originality in the application of knowledge, the development of practical skills and the ability to devise an experimental plan as an independent investigator. Students must demonstrate how established techniques and approaches can be applied to a new problem or a new method devised.	Msc Pharmacology with Project Management
	8	Apply transferable skills (initiative, personal responsibility, effective communications, critical thinking and decision-making) that include a clear demonstration of independent learning commensurate with that expected from postgraduate students. This includes a detailed understanding of the social, moral and ethical considerations associated with any proposed research activity.	Msc Pharmacology with Project Management
	9	Demonstrate a systematic understanding of and critically assess the external context in which modern organisations operate including economic, political, social and environmental change and the regulatory and governance trends impacting on different organisations	Msc Pharmacology with Project Management
	10	Demonstrate sensitivity to the complexity of implementing plans and of achieving change in organisations both because of individual and organisational obstacles and critically appraise the methods available to managers to handle this complexity	Msc Pharmacology with Project Management
	11	Demonstrate a systematic understanding of career planning including factors of organisational and personal collaboration that impact on career trajectories, and be able to conduct a self-evaluation of oneself against relevant skills and organisational competences to establish a personal development plan that delivers personal and organisational performance impact.	Msc Pharmacology with Project Management

12	Demonstrate knowledge and understanding of what goes into a research proposal, the rudiments of good research design at masters level and be able to produce work of a standard consistent with research publications in your field of study, communicating conclusions clearly to a specialist and non-specialist audience.	Msc Pharmacology with Project Management
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In line with the aspects of QAA Benchmarking statements for Pharmacy Masters (2002) and Medicine Masters (2002), motivation and challenge of the student is through a skilled and balanced selection of teaching and learning techniques, including:

lectures;
practical classes;
workshops;
seminars;
tutorials;
other forms of interactive small-group teaching;
IT-based teaching and learning;
independent assignment-based learning;
auditable, directed private study;
team-working; and
project work.

Delivery is in line with the School's blended learning strategy with regards e-, or network-, based learning which generally makes use of the University's virtual learning environment (VLE). In line with University policy, all units in the School have a VLE site containing unit and assessment briefing documents and details; announcements/notices; lecture notes; PowerPoint presentations.

Students will be provided with training in presentation skills throughout the course during seminars and workshops. This transferable skills training will equip them ahead of their case presentation and description of research progress.

As appropriate the VLE site for a unit will also contain other support material to aid understanding of the course material. This allows it to act as a "gateway" to other web-based resources. Links are provided to websites containing information such as; similar lecture material; pictures or movie (avi, etc.); clips showing a biological principle in drug action, live or in a model; self-learning/assessment sites on the internet; journal articles or technical sites. These sorts of web-based material along with interactive websites that provide virtual-practical, where students can undertake practical or modelling on their own and view the

Teaching, learning and assessment strategies

references in research journals as sources of information. As such the course will be challenging in introducing new ideas and concepts.

Students will be active in their learning through interaction in lectures, seminars, tutorials, workshops, participating in laboratory practical and in preparing the assessments. Students will be encouraged to be reflective in their learning by seeking to integrate the academic content of the different units on the course and reflecting on the implications of pharmacology on society. Students are encouraged to interact with the research active teaching team. Laboratory sessions are also good environments for student communication within the cohort making the learning process a collaborative effort.

Computing and Information Technology is everywhere nowadays. Even before the course you may have been exposed to various information technologies. Our teaching uses this everyday experience as a starting point to embark on systematic analysis and interpretation of these technologies using the right tools. This is done in a variety of ways across all teaching units. Most of the teaching is based on lectures complemented by practical sessions that serve to apply and further develop the contents of the lecture within practical exercise.

Assessment

The assessment philosophy of the MSc Pharmacology with Project Management Award conforms to the recommendations of the aspects of relevant QAA Benchmarks and Masters level descriptors. The methods used for the assessment of students' achievements will correspond with the knowledge, abilities and skills that are to be developed through degree programme. Both formative and summative modes of assessment will be used. Summative assessments will be undertaken in all units of the course to check that you have met (or are working towards meeting) the threshold standards expected of all students. Also, there will be a formative assessment in the beginning of semesters 1 and 2 to help you understand the academic writing and online submission process along with the assessment marking criterion.

Evidence on which assessment of students' achievement is based will include:

- formal written examinations;
- summative practical assessments;
- laboratory and other written Academics;
- problem-solving exercises;
- oral presentations;
- individual planning, conduct and Academicizing of project work; and

individual research project
preparation and displays of 'posters' Academicising project work;
personal portfolios of learning achieved;
computer-based assessments; and
self and peer assessment.

The course assessment strategy is compliant with the University of Bedfordshire's Quality Assurance Regulations.

The commitment to practical skills and the ability to communicate and interpret data through scientific Developing Independent Research is emphasised at all units of the programme. As such, practical (laboratory) activities form a significant proportion of students assessment. Practical work will be assessed through written practical activities, poster oral presentations and reflective laboratory diaries.

Assessment throughout the units, most notably in the research project, will call upon abstract writing and journal review skills to promote critical thinking and integration of knowledge across the course units. The importance of oral communication skills is also acknowledged, as some of the units require students' to undertake oral presentations as a part of the unit assessments.

Throughout the course formative feedback will be provided in support of various tasks that include practical work in all four units, mini-projects, literature reviews, case studies and presentation prior to final summative assessments.

Students' capability in carrying out research will be assessed through a research proposal, research project activities and presentations.

Group work, including laboratory practical sessions, will help students to develop transferable skills such as taking initiative, communication, team working and decision making. Ability in oral communication will be assessed through presentations, including a poster presentation.

Learning support

Students are actively supported through their assessments both directly in subject specific areas by tutors, and by working with the Study Hub to provide targeted workshops to support academic skills development. The focal areas include an introduction to academic integrity, developing good academic practice, scientific writing, use of statistics, and communication of science to diverse audiences including presentation skills also aligned to assessment requirements.

Throughout course delivery workshops and tutorials are used to support the development of academic skills, alongside the learning and the assessment process. All in-course assessments are supported by timetabled, interactive tutorial sessions with formative assessment tasks, as appropriate. I g

Admissions Criteria	Approved Variations and Additions to Standard Admission N/A
Assessment Regulations	https://www.beds.ac.uk/about-us/our-university/academic-information Note: Be aware that our regulations change every year Approved Variations and Additions to Standard Assessment Regulations N/A

BHS010-6	Pharmacology Research Project	7	60	Core	DA2	DA 2	DA 1	DA 2		
BSS060-6	Project Management	7	30	Core					TA 1	TA1 2
BSS064-6	Leading and Managing Organisational Resources	7	30	Core					TA 12	TA2
BSS074-6	Personal Professional Development (10 credits)	7		Core						

Section C: Assessment Plan

The course is assessed as follows :

MSYPHAAF- Pharmacology with Project Management-February

Unit Code

BHS006-6	7	AY1-SEM1	Core	WR-LAB	9	IT-PT	13				
BHS005-6	7	AY1-SEM2	Core	CW-PO	9	IT-PT	12				
BHS007-6	7	AY1-SEM2	Core	WR-PO	7	EX	13				
CIS132-6	7	AY2-BLK1	Core	CW-RW	7						
BSS074-6	7	AY2-BLK2	Core	CW-EPO	8						
BSS064-6	7	AY2-BLK3	Core	CW-EPO	6						
BSS060-6	7	AY2-BLK4	Core	PR-OR	3	WR-I	6				
BHS010-6	7	AY2-SEM3	Core	PJ-PRO	13	CW-JO	13	PR-ORAL	13		

Glossary of Terms for Assessment Type Codes	
CW-EPO	Coursework - e-Portfolio
CW-JO	Coursework - Journal
CW-PO	Coursework - Portfolio
CW-RW	Coursework - Reflective Writing
EX	Exam (Invigilated)
IT-PT	Summative in-class test or phase test
PJ-PRO	Coursework - Project Report
PR-OR	Practical - Oral Presentation
WR-I	Coursework - Individual Report
WR-LAB	Coursework - Laboratory Report
WR-PO	Coursework - Poster

Administrative Information	
School	School of Life Sciences
Head of School/Department	Professor Prasad Sreenivasaprasad
Course Coordinator	Prashanth Bajpe