Course Specification

Published Date:	23-Jul-2026
Produced By:	Multi Type Usr Record For All Personnel
Status:	Validated

Core Information

Awarding Body / Institution:	University of Wolverhampton		
School / Institute:	School of Pharmacy and Life Sciences		
Course Code(s):	PY022H01UM PY022H31UM	Full-time Part-time	3 Years 6 Years
UCAS Code:	B210		
Course Title:	BSc (Hons) Pharmacology		
Hierarchy of Awards:	Bachelor of Science with Honours Pharmacology Bachelor of Science Pharmacology Diploma of Higher Education Pharmacology Certificate of Higher Education Pharmacology		
Language of Study:	English		
Date of first cohort:	14/Sep/2026		
Specification valid from:	2025/6		

Academic Staff

Course Leader:	Dr Ayman Antoun Reyad
Head of Department:	

Course Information

Location of Delivery:	University of Wolverhampton
Category of Partnership:	Standard Provision (Not delivered in partnership)
Teaching Institution:	University of Wolverhampton
Open / Closed Course:	This course is open to all suitably qualified candidates.

Entry Requirements:

Entry requirements are subject to regular review. The entry requirements applicable to a particular academic year will be published on the University website (and externally as appropriate e.g. UCAS

- GCSE English and Maths at grade C/4+ or an accepted equivalent or accepted equivalent qualifications: Functional Skills Level 2 and OCN Access to HE Core (12 credits at Level 2 or 3 in English or Maths).

PLUS, EITHER

- 96 UCAS points
- A Levels - grades CCC / BCD to include Chemistry or Biology at grade C.
- BTEC L3 Extended Diploma or OCR Cambridge L3 Technical Extended Diploma in Applied Science or Biomedical Science - grades MMM.
- Access to HE Science Diploma (60 credits) of which a minimum of 45 must be at Level 3 (96 UCAS point equivalence, minimum 45 credits at merit to include Maths, Chemistry and Biology).

Distinctive Features of the Course:

The university has generously invested in state-of-the-art facilities across its campuses and, as a Pharmacology student, you will have access to the cutting-edge laboratory facilities in the Rosalind Franklin Building. This offers you the latest in technology, teaching and equipment.

At all levels of this course, the academic staff you will have day-to-day contact with all have extensive teaching experience in higher education, with years of accumulated research experience. Our expert staff will help you see how drug molecules are discovered and how they work to produce a cure or control symptoms. You will be gaining a good understanding of related topics such as cell biology, biochemistry, microbiology and human physiology so that you will form a comprehensive knowledge base of how drug molecules operate.

This course is very much focused on the science of Pharmacology. This is done by using classroom activities and practicals that utilise industry standard techniques. You will also be developing your communication, data analysis and problem-solving skills. Group work is key feature of this degree as well as a focus on future careers. From the very start of your course, you can join the British Pharmacological Society as a student member, which increases your exposure to national and global pharmaceutical developments.

Educational Aims of the Course:

Intakes:

September

Major Source of Funding:

Office for Students (OFS)

Tuition Fees:

Tuition fees are reviewed on an annual basis. The fees applicable to a particular academic year will be published on the University website.

Year	Status	Mode	Amount
2025/6	H	Full Time / Sandwich	£9535.00
2025/6	Overseas	Full Time / Sandwich	£17000.00
2025/6	H	Part Time	£4768.00
2026/7	H	Full Time / Sandwich	£9790.00
2026/7	Overseas	Full Time / Sandwich	£18700.00
2026/7	H	Part Time	£4895.00

PSRB:

PY022H01UM (Full-time)

Professional Accreditation Body:
Royal Society of Biology

Accrediting Body:
Royal Society of Biology

Accreditation Statement:
"Accredited by the Royal Society of Biology for the purpose of meeting, in part, the academic and experience requirement of membership and Chartered Biologist (CBiol)."

Approved	Start	Expected End	Renewal
19/May/2026	19/May/2026	31/Jul/2031	31/Jul/2031

PY022H31UM (Part-time)

Professional Accreditation Body:
Royal Society of Biology

Accrediting Body:
Royal Society of Biology

Accreditation Statement:
"Accredited by the Royal Society of Biology for the purpose of meeting, in part, the academic and experience requirement of membership and Chartered Biologist (CBiol)."

Approved	Start	Expected End	Renewal
19/May/2026	19/May/2026	31/Jul/2031	31/Jul/2031

Course Structure:

September (Full-time)

Full time and Sandwich Undergraduate Honours students normally study 120 credits per academic year; 60 credits semester 1 and 60 credits semester 2.

Part time students study alongside full time students. However, they do not study more than 90 credits in each academic calendar year.

Module	Title	Credits	Period	Type
4PY021	Fundamental Science	30	SEM1	Core
4PY024	Succeeding at University	30	SEM1	Core
4PY023	Introduction to Human Physiology, Pharmacology & Toxicology	30	SEM2	Core
4PY022	Introduction to Medicines	30	SEM2	Core

September (Full-time)

Full time and Sandwich Undergraduate Honours students normally study 120 credits per academic year; 60 credits semester 1 and 60 credits semester 2.

Part time students study alongside full time students. However, they do not study more than 90 credits in each academic calendar year.

Module	Title	Credits	Period	Type
5PY033	The Pharmacology of Medicines	30	SEM1	Core
5PY030	Biochemistry and Genetics	30	SEM1	Core
5PY029	Professional Development	30	SEM2	Core
5PY032	Therapeutic and Experimental Pharmacology	30	SEM2	Core

September (Full-time)

Full time and Sandwich Undergraduate Honours students normally study 120 credits per academic year; 60 credits semester 1 and 60 credits semester 2.

Part time students study alongside full time students. However, they do not study more than 90 credits in each academic calendar year.

Module	Title	Credits	Period	Type
6PY027	Therapeutic Aspects of Pharmacology	30	SEM1	Core
6PY024	Preparing for employment	60	YEAR	Core
6PY026	Advances in Pharmacology	30	SEM2	Core

Please note: Optional modules might not run every year, the course team will decide on an annual basis which options will be running, based on student demand and academic factors, to create the best learning experience.

Learning, Teaching and Assessment

Regulations Exemption:

Section 4.2.1 - Exemption in accordance with Professional Body (RSB) requirements. All pieces of summative assessment should be components, and must achieve a passing grade, for practical modules and the final year project.

Section 4.6.2 - Exemption in accordance with Professional Body (RSB) requirements. Compensation will not be permitted for practical modules and the final year project.

Reference Points:

UK Quality Code for Higher Education

Qualifications and Credit Frameworks

Subject Benchmark Statements

University Policies and Regulations

Equality Act 2010: guidance - GOV.UK

Overview of Assessment:

As part of the course approval process, the course learning outcomes were mapped to each of the modules forming the diet of the programme of study. This process confirmed that all course learning outcomes can be met through successful completion of the modules. This mapping applies to the final award as well as to all of the intermediate awards.

Learning Outcomes	Modules
CERTHE01 Demonstrate knowledge of the underlying concepts, theories and principles associated with your area(s) of study (Knowing).	
CERTHE02 Evaluate, interpret and apply data, to develop ideas and discussion in your subject(s) of study (Knowing).	
CERTHE03 Use different approaches to solving problems related to your area(s) of study (Doing).	
CERTHE04 Communicate the results of your study/work accurately and reliably, and with structured and coherent arguments (Doing).	
CERTHE05 Identify and undertake further training and develop new skills to support your learning (Being).	
CERTHE06 Identify personal qualities and transferable skills necessary for further study and/or employment (Being).	
DIPHE01 Demonstrate knowledge and application of the concepts and principles of your area(s) of study (Knowing).	
DIPHE02 Demonstrate the application of those principles in an employability and/or professional practice context (Knowing).	
DIPHE03 Identify and use methods of enquiry in the subject(s) and evaluate the appropriateness of different approaches to solving problems in study (Doing).	
DIPHE04 Use a range of new and established techniques to explore and critique data and sources of information, to solve problems within your subject (Doing).	
DIPHE05 Effectively communicate information, arguments and analysis in a variety of forms to specialist and non-specialist audiences (Being).	
DIPHE06 Show personal responsibility and decision-making to developing existing skills and acquire new competences that will enable you to reach your employability goals (Being).	
BHONSN01 (K1) Critically evaluate theories and concepts relating to pharmacology and other life science topics.	

Learning Outcomes	Modules
BHONSN02 (K2) Critically evaluate and apply appropriate scientific methods and protocols in research with the ability to refine these when necessary.	
BHONSN03 (D1) Collect, store, analyse and explain relevant information and data as part of a research activity.	
BHONSN04 (D2) Apply creative/innovative approaches to addressing complex problems.	
BHONSN05 (B1) Demonstrate emotional intelligence through effective communication of scientific concepts to peers and lay people.	
BHONSN06 (B2) Conceptualise how research activity might provide benefits to national and global communities and reflect upon the ethical implications (for both historic and current scientific research).	
BHONS01 (K1) Critically evaluate theories and concepts relating to pharmacology and other life science topics.	
BHONS02 (K2) Critically evaluate and apply appropriate scientific methods and protocols in research with the ability to refine these when necessary.	
BHONS03 (D1) Collect, store, analyse and explain relevant information and data as part of a research activity.	
BHONS04 (D2) Apply creative/innovative approaches to addressing complex problems.	
BHONS05 (B1) Demonstrate emotional intelligence through effective communication of scientific concepts to peers and lay people.	
BHONS06 (B2) Conceptualise how research activity might provide benefits to national and global communities and reflect upon the ethical implications (for both historic and current scientific research).	

Teaching, Learning & Assessment Strategy/(Learning and Teaching):

The modular structure of your Pharmacology course is designed to start you off with a good strong foundation by introducing you to the essential information that you need to begin with. Your modules support each other, as details from one module will feed into your other modules. This occurs within an academic year, but also across years, since your course follows a spiral curriculum. Here concepts are revisited and then added to with more specialist information, which deepens your subject knowledge. In your first year, you will engage in regular quizzes through Team-Based Learning (TBL). These activities are designed to build confidence, address misconceptions at an early stage, and support the development of communication and reflective skills. Online learning tasks are closely aligned with in-person sessions and contribute directly to class activities or final assessments, ensuring that all components of the course are purposeful and interconnected. Continuing with the course a flipped classroom approach will be introduced, along with some problem-based learning, lectures, workshops and tutorials. Library services are also on hand to assist you with referencing, academic writing and mathematical skills. Your course provides you with access to laboratory facilities during practical sessions. This will enable you to develop your technical skills, as well as further develop effective teamwork and time-management abilities. Overall, this integrated approach is designed to help you build robust knowledge, develop essential academic and professional skills, and remain actively engaged throughout your studies.

Assessment Methods/Assessments:

Your course employs a wide range of assessments designed to enhance your learning and build your confidence. You will complete a combination of examinations, presentations, reflective tasks, portfolios, and project-based assignments, with deadlines structured to support your workload and time management.

Formative opportunities are embedded throughout the course, including regular multiple-choice tests delivered during TBL sessions, practice examination questions and mock assessment tests. These activities provide you with timely feedback to help you prepare for your summative tasks. TBL will also encourage your development of communication and teamworking skills, whilst diverse group work fosters peer support and the exchange of different perspectives.

Assessment unpacking sessions are provided to clarify expectations and guide you in developing successful strategies. Laboratory components include report writing to demonstrate subject understanding and to strengthen scientific communication skills. At Level 6, the research project allows you to explore a chosen topic in greater depth and apply your knowledge independently.

Where appropriate, assessments may be adapted to accommodate recognised learner needs, ensuring an inclusive learning environment. Reflective elements are incorporated into both portfolios and TBL activities to promote continuous personal and academic development.

Digital platforms such as Canvas will offer structured guidance and resources, and your regular contact with academic staff will give you support. Student feedback on assessment design, timing, and overall experience is regularly gathered through course committees and module evaluations, ensuring that assessment practices remain fair, relevant, and aligned with professional expectations.

Further Information for Student:

Coming to university is a big and exciting step in your life. It is a massive opportunity to meet new people, make new friends and to expand your academic development. By their very nature, university courses are designed to be challenging, but everyone at the University of Wolverhampton is keen to make sure that you succeed.

Welcome Week, at the start of the academic year, is an excellent first introduction. Parts of Welcome Week are put on by the university, but several sessions are presented by your course. This will all help you to become familiar with the campus and to begin settling into the university and adapting to academic life.

As a Pharmacology student, you can easily find help and support from your Student Success Coaches and your Personal Tutor. You can also book one-to-one meetings with members of academic staff for extra help and guidance.

Your Pharmacology course has been carefully designed to help you be successful. Formative assessments feature in every module, which allows you to monitor your own progress and identify any areas that might need a bit more support. This helps tremendously with preparing for summative tasks. Collaborative group work, such as Team Based Learning and Problem Based Learning offer a learning environment that is highly effective, develops peer support and boosts confidence.

Canvas, the university's Virtual Learning Environment, contains a rich source of information and guidance, and is used extensively by module teams. Your course uses a spiral curriculum, which means a good academic foundation is developed in the early stages, which then gets revisited at later points, with a greater depth.

At regular intervals during your degree, you will be asked for your feedback on your learning experiences. Module evaluations, student representatives and course committee meetings are all valuable sources of information to us. Your feedback really matters and it is used to ensure that your degree is meeting your needs and expectations. By striving to create a friendly and supportive learning environment, you can take ownership of your learning journey and progress smoothly through your degree.

The University provides a wide range of academic and pastoral support to help students succeed in their studies and personal development. This includes access to the Library and Skills for Learning service, student success coaching for students in their early stages, and tailored advice from the Careers and Enterprise teams. Students also benefit from 24/7 wellbeing support through WLV Student Life Connect, pastoral care via the Multi-faith Chaplaincy, and assistance from the Mental Health and Wellbeing team. Those living in university accommodation have additional access to Residential Life support, and all students can engage with the Students' Union for advocacy, societies, and further peer-led services.

Currency:

Shape your future with a cutting-edge Pharmacology degree. The academic staff you will be working with have many years of combined research expertise, which means the content of your pharmacology degree is kept current and is firmly rooted in the latest scientific evidence. Research-informed teaching ensures every module reflects current developments in pharmacology and healthcare. We work closely with industry and professional bodies to embed relevant examples and tasks into your studies, so giving you the chance to solve authentic problems and develop practical, evidence-based solutions. We regularly review and adapt our curriculum to reflect emerging trends, so your course stays relevant and aligned with professional expectations. Real-world developments are integrated into lectures and workshops, to build strong connections between theory and practice.

Personalised Learning: Explore topics that matter to you—choose presentation themes and formats that let you dive into current issues in medicine and healthcare. With our blend of research-driven teaching, a variety of learning methods and an eye on new developments, you can be confident your degree will help you adapt to future challenges.

Personalisation Opportunities:

Your Pharmacology degree course is comprised of core modules. Within these there will be some element of choice. At Level 6 you will be able to choose a project topic, which will allow you to explore an area of interest at great depth. For any presentations that occur during your course, you will have options to select, which will be of most interest to you. You will also find throughout your course groupwork will be featuring in many modules. This will give you the opportunity to share experiences with others and learn collaboratively. By listening to others, you will be integrating diverse perspectives into your learning journey to make the whole experience more meaningful. Team based learning and problem-based learning are excellent ways of enabling you to express your views and opinions on topics and really engage with your learning. This will also strengthen your communication and critical thinking skills. Learning in this way also allows you to monitor your progress, encourages reflection and identify possible areas for improvement. Personalising your learning in this way promotes a deeper engagement with your degree.

Employability in the Curriculum/Employability and Professional Development:

Your course is designed to help you build the skills and confidence needed for your future career.

Throughout your studies, you will develop a professional portfolio that includes reflections, peer reviews, and evidence of your achievements, making it easier to showcase your progress to employers. You will take part in career-focused presentations and activities that give you insight into industry expectations and help you practice professional communication. Strong links with employers are built into the course through real-world tasks, projects, and mini projects, ensuring you gain practical experience. Laboratory sessions and hands-on work will strengthen your technical skills, including health and safety awareness, while projects will develop your problem-solving and research abilities. You will also receive guidance from academic staff and the university careers team to support CV writing, interview preparation, and career planning. Reflective activities within your portfolio and Team-Based Learning sessions encourage continuous improvement and self-awareness—key qualities for professional growth. By combining academic learning with practical experience and tailored career support, this course prepares you for success in a wide range of professional roles.

