

Course Specification

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Status:	Validated

Core Information

Awarding Body / Institution:	University of Wolverhampton		
School / Institute:	Wolverhampton School of Sciences		
Course Code(s):	BM007S01UV	Full-time	2 Years
UCAS Code:	83H7		
Course Title:	HND Biomedical Science		
Hierarchy of Awards:	Higher National Diploma Biomedical Science awarded by the University of Wolverhampton Certificate of Higher Education Biomedical Science awarded by the University of Wolverhampton University Statement of Credit University Statement of Credit		
Language of Study:	English		
Date of DAG approval:	21/Jun/2017		
Last Review:	2018/9		
Course Specification valid from:	2012/3		
Course Specification valid to:	2024/5		

Academic Staff

Course Leader:	Mandeep Kaur Deo
Head of Department:	Dr Elizabeth O'Gara

Course Information

Location of Delivery:	University of Wolverhampton
Category of Partnership:	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 above

Plus Either

- A Level minimum of C or EE (or equivalent) to include a Science subject preferably Biology.
- BTEC QCF Level 3 Diploma in Applied Science grade PP or BTEC QCF Level 3 Subsidiary Diploma in Applied Science grade M.
- Access to HE Diploma Full Award (60 credits), at least 45 of which are at Level 3. 18 level 3 credits must be in Science and achieved with a minimum pass.

If you've got other qualifications or relevant experience, please contact [The Gateway](#) for further advice before applying.

Distinctive Features of the Course:

This course involves the study of a variety of biomedical science disciplines and takes place at an institution where fellow students are undertaking programmes in other disciplines and vocational courses in a wide variety of medicine-related subjects. As such students will mix and learn with students with a wide interest and experience of medically-related subjects and disciplines, providing the opportunity for cross-subject interaction and learning.

Educational Aims of the Course:

This course aims to develop you to become a biomedical scientist who has a broad based education and training in the areas of science that underpin the disciplines associated with biomedical science. It will develop an awareness of the contributions of biomedical science to improvements in preventative medicine, diagnosis, and patient care and treatment; provide a sound educational foundation on which the student can build, by further study, at any stage of their future career.

The course is structured to allow you to develop and succeed, regardless of your academic background and experience.

You will experience progressive, coherent and challenging learning opportunities underpinned by research, scholarly activity and appropriate staff development that will allow you to demonstrate clearly defined subject specific and generic academic outcomes and to develop a range of key skills for subsequent employment and/or further study.

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
2020/1	HEU	Full Time	£
2020/1	Overseas	Full Time	£
2020/1	Home / EU	Full Time	£
2020/1	Home / EU	Part Time / Full Time	£

PSRB:

None

Course Structure:

September (Full-time)

Part time students study alongside full time students. However, they do not study more than 80 credits in each academic calendar year.

Year 1

Module	Title	Credits	Period	Type
4BC005	Biochemistry for Life Science	20	SEM1	Core
4BM016	Human Form & Function	20	SEM1	Core
4BM026	Biomedical Science Skills	20	SEM1	Core
4BM017	Biomedical Basis of Disease	20	SEM2	Core
4BM024	Introduction to Microbiology	20	SEM2	Core
4BM027	Cell Biology	20	SEM2	Core

September (Full-time)

Part time students study alongside full time students. However, they do not study more than 80 credits in each academic calendar year.

Year 2

Module	Title	Credits	Period	Type
5BM045	Principles of Disease Investigation in Haematology	20	SEM1	Core
5BM047	Principles of disease investigation in medical microbiology	20	SEM1	Core
5BM069	Principles of Disease Investigation in Immunology	20	SEM1	Core
5BM043	Principles of Disease Investigation in Cellular Pathology	20	SEM2	Core
5BM044	Principles of Disease Investigation in Genetics and Genomics	20	SEM2	Core
5BM062	Principles of disease investigation in clinical biochemistry	20	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

Academic Regulations Exemption:

None

Reference Points:

UK Quality Code for Higher Education <https://www.qaa.ac.uk/quality-code>

UK Quality Code for Higher Education Advice and Guidance <https://www.qaa.ac.uk/en/quality-code/advice-and-guidance>

Subject Benchmark Statements <https://www.qaa.ac.uk/en/quality-code/subject-benchmark-statements>

Qualifications and Credit Frameworks <https://www.qaa.ac.uk/en/quality-code/qualifications-and-credit-frameworks>

Learning Outcomes:

HNC Course Learning Outcome 1 (HNCCL01)

"Demonstrate knowledge of the underlying concepts and principles associated with your area(s) of study, and an ability to evaluate and interpret these within the context of that area of study"

HNC Course Learning Outcome 2 (HNCCL02)

"Demonstrate an ability to present, evaluate and interpret qualitative and quantitative data, in order to develop lines of argument and make sound judgements in accordance with basic theories and concepts of your subject(s) of study."

HNC Course Learning Outcome 3 (HNCCL03)

Evaluate the appropriateness of different approaches to solving problems related to your area(s) of study and/or work

HNC Course Learning Outcome 4 (HNCCL04)

"Communicate the results of your study/work accurately and reliably, and with structured and coherent

arguments"

HNC Course Learning Outcome 5 (HNCCL05)

Demonstrate the qualities and transferable skills necessary for employment requiring the exercise of some personal responsibility

HND Course Learning Outcome 1 (HNDCL01)

"Demonstrate knowledge of the underlying concepts and principles associated with your area(s) of study, and an ability to evaluate and interpret these within the context of that area of study"

HND Course Learning Outcome 2 (HNDCL02)

"Demonstrate scientific, intellectual and practical skills to successfully plan and carry out laboratory investigations in biomedical science and evaluate biomedical data."

HND Course Learning Outcome 3 (HNDCL03)

"Exercise professionalism, personal responsibility and decision-making as needed for employment and in situations requiring the exercise of professionalism, personal responsibility and decision-making."

Overview of Assessment:

Module	Title	Course Learning Outcomes
4BC005	Biochemistry for Life Science	HNCCL01, HNCCL02, HNCCL03, HNCCL04, HNCCL05
4BM016	Human Form & Function	HNCCL01, HNCCL03, HNCCL05
4BM017	Biomedical Basis of Disease	HNCCL01, HNCCL03, HNCCL04, HNCCL05
4BM024	Introduction to Microbiology	HNCCL01, HNCCL02, HNCCL03, HNCCL04, HNCCL05
4BM026	Biomedical Science Skills	HNCCL02, HNCCL03, HNCCL04, HNCCL05
4BM027	Cell Biology	HNCCL02, HNCCL03, HNCCL04, HNCCL05
5BM043	Principles of Disease Investigation in Cellular Pathology	HNDCL01, HNDCL02, HNDCL03
5BM044	Principles of Disease Investigation in Genetics and Genomics	HNDCL01, HNDCL02, HNDCL03
5BM045	Principles of Disease Investigation in Haematology	HNDCL01, HNDCL02, HNDCL03
5BM047	Principles of disease investigation in medical microbiology	HNDCL01, HNDCL02, HNDCL03
5BM062	Principles of disease investigation in clinical biochemistry	HNDCL01, HNDCL02, HNDCL03
5BM069	Principles of Disease Investigation in Immunology	HNDCL01, HNDCL02, HNDCL03

Teaching, Learning and Assessment:

Type of Learning Activity

Opportunities to achieve these learning outcomes will be provided by the following methods:

1. Lectures
2. Tutorials (small group)
3. Tutorials (one-to-one)
4. Seminars
5. Laboratory sessions

6. Self-directed study
7. Workshops
8. Problem-based learning
9. Case studies
10. Structured laboratory exercises
11. Individual or group investigative practical exercises
12. Electronic/Computer-based learning
13. Supported learning using the University VLE (CANVAS) for information, synchronous and asynchronous communications
14. Group work
15. Individual structured assignment-based learning
16. Directed study
17. Demonstrations
18. Literature appraisal
19. Work-based learning and / or placements
20. Reflective practice (including personal development plans)
21. Project work
22. Portfolio building

These learning activities will provide the Graduate with skills which will prepare them for their future role in the ever changing workplace. Engagement in the above learning activities will produce graduates who are digitally literate, knowledgeable and enterprising, and will be useful and productive members of society (Global Citizens).

Assessment Methods:

At the University of Wolverhampton, a variety of modes of assessment will be used to support and test your learning and progress and to help you develop capabilities that are valued beyond your University studies and into your working life. Your course may include a variety of assessment activities:

Written examinations (including online examinations, open and closed book examinations and quizzes)
Coursework (for example, essays, reports, portfolios, project proposals and briefs, CVs, poster presentation)
Practical (for example, oral and video presentations, laboratory work, performances, practical skills assessment)

In the final year of your undergraduate degree, and at the end of your postgraduate degree, you are likely to be expected to write an extended piece of work or research, such as a dissertation or a practice-based piece of research.

Student Support:

General University support:

[University Learning Centres](#) are the key source of academic information for students. Learning Centres provide physical library resources (books, journal, DVDs etc.) and offer a range of study areas to allow students to study in the environment that suit them best: Social areas, quiet and silent areas. Learning Centres also provide access to wide range of online information sources, including eBooks, e-Journals and subject databases.

Learning Centres also provide students with academic skills support via the [Skills for Learning programme](#). Students on campus can attend workshops or ask for one-to-one help on a range of skills such as academic writing and referencing. Students can access a range of online skills material at: www.wlv.ac.uk/lib/skills

The [University Student Support website](#) offers advice on a variety of matters (careers, counselling, student union advice, etc.) Students can also access these services by booking appointment with the SU, careers, counselling services, etc.

Course Specific Support

You will be assigned a Personal Tutor who will provide support and academic counselling throughout the year via SAMS appointments. They will be able to offer you advice and guidance to help you liaise with other staff and support facilities in the School and University. You should meet your Personal Tutor at least 3 times a year, which must include meetings that you are invited to at critical points in your course. You will also have a Course Leader who will be available to meet with you via SAMS appointments

Employability in the Curriculum:

HND qualifications are widely recognised in the scientific establishment as vocational courses which prepare students for vocational employment. As such, the skills provided in the course will provide opportunities in the technical disciplines at technician level.

This course is designed to articulate and progress seamlessly to the appropriate BSc (Hons) degree.

Many students who initially begin study for HND Biomedical Science wish to continue with their studies to degree level. If you are currently studying HND Biomedical Science you will have the opportunity to transfer to BSc (Hons) Biomedical Science as follows:

either:

At the end of the first year of HND Biomedical Science, if you have achieved 120 credits, instead of proceeding to the second year of HND Biomedical Science, you may transfer to the second year of the BSc (Hons) Biomedical Science degree course.

This will allow application for workbased placements associated with the BSc (Hons) Applied Biomedical Science course, and subsequent transfer if successful in gaining a placement.

The University of Wolverhampton Enterprise and Employability



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