

Course Specification

Published Date:	07-Nov-2023
Produced By:	Multi Type Usr Record For All Personnel
Status:	Validated

Core Information

Awarding Body / Institution:	University of Wolverhampton		
School / Institute:	Institute of Human Sciences		
Course Code(s):	SR038P01UW SR038P31UW	Full-time Part-time	1 Years 2 Years
Course Title:	MSc Clinical Exercise Physiology		
Hierarchy of Awards:	Master of Science Clinical Exercise Physiology Postgraduate Diploma Clinical Exercise Physiology Postgraduate Certificate Clinical Exercise Physiology University Statement of Credit University Statement of Credit		
Language of Study:	English		
Date of DAG approval:	25/Sep/2023		
Last Review:			
Course Specification valid from:	2022/3		
Course Specification valid to:	2028/9		

Academic Staff

Course Leader:	Dr Ian Lahart
Head of Department:	

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)

You will need a good degree in a related subject (normally 2:2 or above).

Applications may be considered from those without an undergraduate degree (or in an unrelated discipline) provided that they can demonstrate significant professional experience in sport and exercise science or a related sector.

International Applicants

Your qualifications need to be deemed equivalent to the above entry requirements.

English Language requirements are IELTS 6.5 with no element below 6.5 for reading and writing and 6.0 for speaking and listening, or equivalent accepted qualification <https://www.wlv.ac.uk/international/international-academy/courses-at-the-international-academy/language-entry-requirements/>

Please use the following link <https://www.wlv.ac.uk/international/international-academy/courses-at-the-international-academy/> to see the range of English Language Pre-Sessional courses and related Pre-Masters courses offered by the University of Wolverhampton International Academy.

For further information relating to overseas qualification please use the following link <https://www.wlv.ac.uk/international/our-locations/your-country/>

Other Requirements

Entry to this programme requires an enhanced Disclosure and Barring Service (DBS) Check. If you have accepted a Conditional Offer made by the University of Wolverhampton, you will receive correspondence asking you to complete an enhanced Disclosure and Barring Service (DBS) check.

Entry to this programme requires a satisfactory occupational health assessment. You are required to complete a health questionnaire and meet occupational health requirements. If you are accepted onto the programme, all your vaccinations will need to be up to date before you attend placement, and the University provides a vaccination programme to ensure that you are appropriately covered.

During the programme you will be required to attend placements, so it is essential that you are able and willing to travel to placement.

Distinctive Features of the Course:

Inter-professional learning (IPL) opportunities are embedded within this programme with some modules being shared with other sport and exercise professionals. Inter-professional learning is when students from different professional areas learn with, from and about each other to improve the quality of care. IPL is vital in supporting you to develop the knowledge, skills and insights necessary for employment within increasingly integrated and complex health and social care settings.

Links and knowledge from local, national and international research initiatives are undertaken in the School

of Sport and the wider University research institutions.

Focus throughout the programme is on the application of clinical exercise physiology practice to real-world contexts, ensuring you develop professional and transferable skills such as communicating test data to patients, motivational behaviour and interpersonal skills that will help you succeed in the workplace.

The School of Sport has recently been awarded £5.8m funding to develop teaching facilities. You will have opportunities to study and practice in these state-of-the-art facilities.

Research and contemporary evidence based practice is central to all teaching and learning activity within the course to ensure students have the most up to date knowledge upon its completion. This also ensures students have the required skills and knowledge to develop and improve services and their own and others' practice through the utilisation of contemporary and evidence based techniques.

Educational Aims of the Course:

1. Facilitate your development as an autonomous, accountable, reflective Clinical Exercise Physiology practitioner committed to continuing professional development and life-long learning.
2. Enable your development as a compassionate Clinical Exercise Physiology practitioner with excellent interpersonal and communication skills, who is able to deliver high quality person-centred care.
3. Enable you to develop as an enquiring Clinical Exercise Physiology practitioner with excellent skills of clinical judgement, who are able to practice in a diversity of settings.
4. Provide you with high quality practice learning opportunities, working within inter-professional teams in a variety of healthcare settings.
5. Enable you to critically analyse the complexity of professional, ethical and legal frameworks and their impact on decision making.
6. Enable you to develop a wide range of transferable skills including the ability to investigate, undertake, and apply research evidence, leadership and management skills and information technology skills.
7. Facilitate your development as a change agent, able to respond to a changing and dynamic practice environment, safely and effectively treating and managing patients/service users with a wide range of conditions.

Successful completion of the programme will provide eligibility to apply for registration with The Registration Council for Clinical Physiologists (RCCP)

Intakes:

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
2021/2	H	31	£3275.00
2022/3	H	Full Time	£7995.00
2022/3	Overseas	Full Time	£14450.00
2022/3	H	31	£3998.00
2023/4	H	Full Time	£8395.00
2023/4	Overseas	Full Time	£15450.00
2023/4	H	31	£4198.00

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.

Module	Title	Credits	Period	Type
7SR021	Professional Practice in Clinical Exercise Physiology	60	CRYRA	Core
7SR015	Pathophysiology, investigation and treatments	20	INYR	Core
7SR014	Advanced Clinical Exercise Physiology	20	INYR	Core
7SR019	Exercise Prescription and Programming	20	INYR	Core
7SR018	Exercise Testing	20	INYR	Core
7SR005	Advanced Research Methods	20	INYR	Core
7SR020	Exercise and Health Psychology	20	INYR	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:

Section 1.2.3 - Courses are delivered across the University's academic year. For courses in the School of Sport, the year is sub-divided into four teaching blocks. This is a variation to the standard academic calendar which has been approved by Academic Board. The block structure will allow you to focus on one or two modules at any time and apply and build on knowledge you developed throughout the programme. This structure reduces assessment bunching to support you in successfully completing your studies.

Approved by AFRSC on the 4th May 2023

Reference Points:

[UK Quality Code for Higher Education](#)

[Qualifications and Credit Frameworks](#)

[Subject Benchmark Statements](#)

[University Policies and Regulations](#)

Equality Act (2010)

[Clinical Exercise Physiology UK curriculum framework](#)

[The Registration Council for Clinical Physiologists \(RCCP\) Standards of Proficiency](#)

[Clinical Exercise Physiologist Scope of Practice](#)

[Academy for Healthcare Science \(AHCS\) Good Scientific Practice](#)

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
PGCERT01 Demonstrate a systematic understanding of knowledge, and a critical awareness of current problems and/or new insights, much of which is at, or informed by, the forefront of your academic discipline, field of study or area of professional practice with a conceptual understanding that enables the student: - to evaluate critically current research and advanced scholarship in the discipline. - to evaluate methodologies and develop critiques of them and, where appropriate, to propose new hypotheses.	
PGCERT02 Demonstrate a comprehensive understanding of techniques applicable to your own research or advanced scholarship and ability to continue to advance your knowledge and understanding, and to develop new skills to a high level.	
PGCERT03 Demonstrate originality in the application of knowledge, together with a practical understanding of how established techniques of research and enquiry are used to create and interpret knowledge in the discipline.	
PGCERT04 Ability to deal with complex issues both systematically and creatively, make sound judgements in the absence of complete data, and communicate your conclusions clearly to specialist and non-specialist audiences.	
PGCERT05 Demonstrate self-direction and originality in tackling and solving problems, and act autonomously in planning and implementing tasks at a professional or equivalent level.	
PGCERT06 Demonstrate the qualities and transferable skills necessary for employment requiring: - the exercise of initiative and personal responsibility decision-making in complex and unpredictable situations. - the independent learning ability	

required for continuing professional development.

Learning Outcomes

Modules

PGDIP01 Demonstrate a systematic understanding of knowledge, and a critical awareness of current problems and/or new insights, much of which is at, or informed by, the forefront of your academic discipline, field of study or area of professional practice with a conceptual understanding that enables the student: - to evaluate critically current research and advanced scholarship in the discipline. - to evaluate methodologies and develop critiques of them and, where appropriate, to propose new hypotheses.

PGDIP02 Demonstrate a comprehensive understanding of techniques applicable to your own research or advanced scholarship and ability to continue to advance your knowledge and understanding, and to develop new skills to a high level.

PGDIP03 Demonstrate originality in the application of knowledge, together with a practical understanding of how established techniques of research and enquiry are used to create and interpret knowledge in the discipline.

PGDIP04 Ability to deal with complex issues both systematically and creatively, make sound judgements in the absence of complete data, and communicate your conclusions clearly to specialist and non-specialist audiences.

PGDIP05 Demonstrate self-direction and originality in tackling and solving problems, and act autonomously in planning and implementing tasks at a professional or equivalent level.

PGDIP06 Demonstrate the qualities and transferable skills necessary for employment requiring: - the exercise of initiative and personal responsibility decision-making in complex and unpredictable situations. - the independent learning ability required for continuing professional development.

MA01 Demonstrate a systematic understanding of the key aspects of clinical exercise physiology practice, including acquisition of coherent and detailed knowledge which is at, or informed by, the forefront of defined aspects of a discipline with an appreciation of the uncertainty, ambiguity and limits of knowledge.

MA02 Demonstrate an ability to deploy accurately established techniques of analysis and enquiry within clinical exercise physiology practice and apply the methods and techniques learned to review, consolidate, extend and apply your knowledge and understanding, and to initiate and carry out projects.

MA03 Reflect upon and critically evaluate evidence to formulate sound clinical judgement and decision making in the identification and assessment of health and social care needs in complex situations within the clinical exercise physiology field.

MA04 Demonstrate a comprehensive and diverse range of applied technical skills to effectively carry out clinical exercise physiology assessment, intervention and evaluation in a range of environments.

MA05 Demonstrate the ability to manage your own learning, and to make use of scholarly reviews and primary sources (for example, referenced research articles and/or original materials appropriate to the discipline) and communicate information, ideas, problems and solutions to both specialist and non-specialist audiences.

Learning Outcomes
MA06. Demonstrate readiness for employability through the accumulation of relevant applied experience and knowledge of continual professional development strategies to support lifelong learning and refinement of professional practice.

Modules

Teaching, Learning and Assessment:

The teaching, learning and assessment course design aims to promote an inclusive curriculum of study. An inclusive curriculum refers to “the process of developing, designing, and delivering programmes of study to minimise the barriers that students, regardless of educational, dispositional, circumstantial, or cultural background, may face in accessing and engaging with the curriculum” (adapted from Gravestock 2009, Thomas and May 2010, NUS 2011). An inclusive curriculum embraces equity where protected characteristics, personal circumstances and historical disadvantages are recognised within its design and delivery.

You will experience a range of different teaching, learning and assessment activities during your course; these include lectures, seminars, debates, problem-based learning, problem-solving, small group learning sets, formative and summative assessment tasks, online activities, written essays, presentations, tutorials, independent research, case study analysis, simulation and placements.

Lectures: You will experience a variety of synchronous and asynchronous lecture formats. Within synchronous lectures, time will be provided where you are encouraged to be interactive with lecturers to aid clarification and extension of your knowledge and understanding. All lecture material will be supported by digital technology to enhance learning, and will be made available for you to access independently throughout our virtual learning environment (VLE).

Seminars: These are opportunities to extend and deepen your understanding of topics covered in a module. In some seminar forums you will be encouraged to take the lead in discussing relevant articles, policies and the theoretical and evidence base that underpins the module.

Workshops: Workshops will allow you to develop skills of interaction and critical debate with a wide variety of academic staff and students, they are essential to developing skills for inter-professional working in health care and physiotherapy practice.

Debate and dialogue: These learning activities are integral to lectures and seminars. The University’s virtual learning environment provides a forum for you and your peers to engage in dialogue with each other as well as with academic staff.

Peer-presentations: You will be required to study some aspects of specific modules independently and feedback your findings to the wider group, which allows you to further develop your academic skills and critical approach.

Tutorials: Face to face meetings with Module Leaders, the Course Leader and your Personal Tutor aim to enable the tailoring of academic, personal and professional advice to meet your individual needs.

You will be expected to take responsibility for your own learning throughout the course. You will be required to attend a minimum of 80% of the taught University sessions and actively engage with the teaching and learning activities of the programme throughout your study. The clinical skills elements are taught by demonstration/simulated learning supported by blended learning opportunities, which are then reinforced by placement opportunities. Information technology is integral to our teaching and learning strategies and includes discussion boards, formative online assessment and the use of interactive software during lecture presentations.

There are a range of assessments undertaken within this course and you will be offered a choice of assessment topic (i.e. a choice of case study) or a choice of submission method (i.e. live or pre-recorded presentation) for some modules. The range of assessments have been chosen to ensure you have the skills required as a Clinical Exercise Physiologist i.e. as a Clinical Exercise Physiologist you will need to present information to the multi-disciplinary team (presentations) and be able to write reports and notes succinctly

and accurately (case studies; essays).

Practice-based learning is central to your studies and allows the opportunity to apply the theory you have learnt in university to your practice as a clinical exercise physiologist. Although integrated as an educational method, practice-based learning has specific standards and criteria which apply in order to develop your knowledge, skills and behaviour to meet the professional standards for practice and professional conduct expectations of the profession. You will achieve some of the required practice hours through simulation activities undertaken within the University setting through which you will achieve competencies and recorded placement hours. However, as part of your learning you will also successfully complete a minimum of 140 of the required 250 hours in clinical practice.

Practice education does not have any weighting aligned to it, it is pass or fail, and where practice placement or practice based simulation is included within a module there may be three different assessments that have to be undertaken within the module, one of which will be assessment of your practice-based learning placement or practice-based simulation activity. Where this applies, the one or two theory elements of the module will make up your module grade.

Assessment is planned from a course wide perspective and the assessments that you complete have been designed to mirror a range of practice / real-world contexts. This helps you to develop confidence and prepares you for the challenges of independent practice as a Clinical Exercise Physiologist. Clinical Exercise Physiologists work in a range of primary, secondary and tertiary care settings as part of a multidisciplinary team of health care and rehabilitation providers and in community settings, specialising in exercise testing and assessment, alongside the design, delivery and evaluation of evidence-based exercise interventions.

The course includes a range of different assessment tasks, such as case studies, examinations, reflections, presentations, skills assessments and an in-depth project which reflect the activities of a Clinical Exercise Physiologist, and all contribute to your formation as a critical thinker and as a life-long learner. Assessments build on each other and grow in complexity, enabling you to see the connections across modules. The assessment strategy and methods ensure graduates meet the ethical and professional conduct expectations of the profession.

To qualify for the award of a Master's Degree, and be eligible for registration with the RCCP you must complete all course requirements and pass all modules.

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:

The [University Library](#) is the key source of academic information for students. The Library provides access to a wide range of online information sources, including e-books, e-journals and subject databases as well as printed material. Study spaces are available in each of our libraries, including social, quiet and silent areas. In addition to our day to day 'on campus' support, please use our 24/7 online chat service [Library Assist](#).

The University Library also provides students with academic skills support via the Skills for Learning

programme. Students can attend workshops or ask for one-to-one help with topics such as academic writing and referencing. This support is available both on campus and online from [Skills for Learning](#).

The University also has a host of other services to support you, please take a look at the Student Support website: www.wlv.ac.uk/current-students/student-support/. If you have any questions, need help or advice then ASK@WLV is there for you: www.wlv.ac.uk/current-students/askwlv/.

Course Specific Support

Course materials are made available via the University's virtual learning environment (Canvas). Where appropriate these include lecture and tutorial materials, case studies, reading lists, assessment briefs and marking schemes, and past exam/practise questions.

Where appropriate, lecture capture technology is utilised to provide recordings of lectures that you can revisit for revision purposes.

Assessment unpacking and exam preparation sessions are standard for all modules to help you understand and prepare for your assessments.

All assessed work is accompanied by feedback designed to help you understand your grade and how you can utilise feedback to improve your work.

Academic skills training runs throughout the course to provide a foundation in literature searching, data collection, statistical analysis and scientific presentation, including writing, referencing and oral presentation.

The Advanced Research Methods module is designed to support you in how they will analyse, present, and interpret for your Research Project.

Personal Tutors

You will be allocated a personal tutor at the start of your course with whom you will build and develop a relationship to help you work towards achieving the course learning outcomes. Your personal tutor will meet with you on a regular basis (at least three times per academic year) in order to offer support, identify if you are making satisfactory progress and to offer support if you are at risk of withdrawal. Your personal tutor will assist you in your personal and academic development, planning and progression as well as helping you liaise with other staff and support facilities in your Faculty and the wider University. You can find out who your personal tutor is by visiting e:Vision.

Module leaders

Your module leaders are your first point of contact for everything module related whether that's help with a particular part of the module or advice on how to complete the assessment. A list of module leaders is available in your Course Guides, along with their contact details.

Faculty Student Enabling Tutor

The Faculty Student Enabling Tutor (FSET) liaises with the Student Support and Wellbeing (SSW) department regarding provision for specific disabilities and disseminates information from the SSW on any identified learning needs. The FSET monitors requests for, and provision of, specific examination and assessment arrangements. The FSET takes a pro-active role in monitoring the welfare and academic progress of disabled students within the School.

Employability in the Curriculum:

The course is designed to provide 'fit for purpose' clinical exercise physiologists within the health care workforce, clinically prepared for the work that they will do. As such, you will be prepared to be an autonomous practitioner who is able to work independently or as part of a team and is able to analyse and assess health risk as well as contributing to preventative care. The programme will assist you to develop a strong professional identity and to be confident in demonstrating key employability skills such as being self-directed in your learning, having the ability to problem solve and to think critically. You will develop effective inter-personal, communication, leadership and decision-making skills to ensure you are an effective and safe

practitioner with a good awareness of the wider influences on your practice. You will also gain core skills in research, audit and service improvement to ensure you are responsive to change and utilise evidenced based practice. These are all qualities that are essential for providing expert, evidence based care and will make you highly employable.

As a registered clinical exercise physiologist you will have a range of employment opportunities to choose from. You will be able to work in public, independent, commercial, charitable or academic organisations and employment opportunities for qualified clinical exercise physiologists are continuing to grow. To prepare you for the range of employment settings, you will undertake practice-based learning placements in NHS or private practice settings where you will further develop your skills and techniques to provide safe and effective health care services for a range of conditions in the clinical setting.

Qualified clinical exercise physiologists can also work internationally, although some countries may require additional proof of competence to practise. Additional roles for experienced clinical exercise physiologist include academic, education and research careers.



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