

Overview

Programme Code	36494
Programme Title	Wildlife Conservation Technology
Awarding Institution	Liverpool John Moores University
Programme Type	Masters
Language of Programme	All LJMU programmes are delivered and assessed in English
Programme Leader	Serge Wich
Link Tutor(s)	

Awards

Award Type	Award Description	Award Learning Outcomes
Target Award	Master of Science - MS	See Learning Outcomes Below
Recruitable Target	Postgraduate Diploma - PD	Engage with, and take an informed position on, advanced levels of theories and practice in relation to the field of Wildlife Conservation Technology science. Students will be able to explore, test, identify and apply appropriate research methodologies and they will be able to demonstrate appropriate levels of critical analysis, reflection and contextual awareness in a range of modules associated with the field of study.

Alternate Award Names	
------------------------------	--

External Benchmarks

Subject Benchmark Statement	
------------------------------------	--

Programme Offering(s)

Mode of Study, Mode of Delivery	Intake Month	Teaching Institution	Programme Length
Full-Time, Face to Face	September	LJMU Taught	1 Years

Aims and Outcomes

Educational Aims of the Programme

The overall aim of the programme is to train postgraduates who are able to play a significant role in the development of approaches to the study and application of knowledge in the field of Wildlife Conservation Technology. The curriculum and approach to teaching, learning and assessment aims to meet the challenges of employment in a global society through the development of intellectual, analytical and research skills relevant to the field of Wildlife Conservation Technology. The specific aims of the programme are: 1. To develop students' knowledge, critical thinking, analyses and understanding of Wildlife Conservation Technology through study and discussion of latest research articles, development of statistical analytical techniques and engagement with academic practices such as grant application and paper submission. 2. To develop students' intellectual skills including ability to interpret and critically evaluate information from a range of sources as well as to present and defend arguments effectively. 3. To develop professional practical skills including planning and executing a scientific research project utilising technology, applying for funding, writing for scientific publication and basic programming for statistical analysis of scientific data. 4. To develop transferable skills including written and verbal communication, IT, problem-solving, teamwork and time management skills.

Learning Outcomes

Code	Description
PLO1	Critically analyse current themes threatening wildlife such as habitat loss, disease, hunting, and infrastructure development.
PLO2	Critically compare, select, and justify the appropriate practical techniques for the execution of a conservation study.
PLO3	Assess the logistical issues in planning and conducting a scientific research report
PLO4	Construct a critically robust justification for research funding
PLO5	Identify, select and apply appropriate complex statistical tests (such as GLM) for the analysis of conservation data.
PLO6	Communicate effectively in both written and verbal forms.
PLO7	Manipulate information technology applications to retrieve, analyse, prepare and present information.
PLO8	Apply mathematics and statistical analyses to solve complex problems
PLO9	Develop initiative and the ability to work independently and in a team.
PLO10	Work effectively as a member of a team
PLO11	Apply project planning and management techniques including managing time and meeting deadlines

Code	Description
PLO12	Critically evaluate the current conservation actions that are used to mitigate the threats, such as ecosystem services valuation, integrated development and conservation, and legislation.
PLO13	Critically evaluate the technology that is used in conservation efforts such for example as drones, camera traps, and satellite-based remote sensing.
PLO14	Critically evaluate information and data from a variety of sources.
PLO15	Identify, interpret, synthesise, and present complex concepts and ideas.
PLO16	Critically evaluate experimental design.
PLO17	Plan and develop appropriate research methodologies including identifying appropriate statistical tests.
PLO18	Communicate the outcomes of a scientific study to a standard appropriate for a scientific audience (i.e. conference standard).
PLO19	Develop a thorough understanding of the logistical issues involved in planning and conducting scientific research project.

Programme Structure

Programme Structure Description

The PgDip (120 credits) Wildlife Conservation Technology programme is the only available alternative exit award and is achieved via completion of four core modules (7107NATSCI, 7109NATSCI, 7110NATSCI, 7111NATSCI), totalling 120 credits.

Programme Structure - 180 credit points	
Level 7 - 180 credit points	
Level 7 Core - 180 credit points	CORE
[MODULE] 7100NATSCI Dissertation Approved 2022.01 - 60 credit points	
[MODULE] 7107NATSCI Research Methods Approved 2022.01 - 20 credit points	
[MODULE] 7109NATSCI Wildlife Conservation Approved 2022.03 - 30 credit points	
[MODULE] 7110NATSCI Technology and Operations Approved 2022.02 - 40 credit points	
[MODULE] 7111NATSCI Survey, Mapping and Field Skills Approved 2022.02 - 30 credit points	
Level 7 Optional - No credit points	OPTIONAL

Module specifications may be accessed at <https://proformas.ljmu.ac.uk/Default.aspx>

Approved variance from Academic Framework Regulations

Variance
There are approved variances (7109NATSCI to run yearlong and 7110NATSCI to be 40 credits) for this programme. Approved on 22/11/2021

Teaching, Learning and Assessment

Teaching and learning will be via interactive lectures, workshops, journal discussion groups, seminars, oral presentations, a field course and project work. Assessments will be written, oral and practical assignments such as project report and seminar presentations. Intellectual skills are developed through the teaching and learning programme. Critical analysis and problem solving skills are embedded in all modules and are taught, developed and practised through workshops, fieldwork and all forms of project work. Experimental, research and design skills are further developed and practised through a broad range of coursework activities and project work. Written and/or verbal individual feedback is given on all work submitted. Critical thinking and problem solving skills are assessed through written and oral assignments. Experimental research and design skills are assessed in the dissertation. Practical skills are taught during workshop and fieldwork sessions. Experimental design is taught in the Research Methods module via lectures and workshops, developed and practised in practical sessions and projects. Practical skills are assessed via the dissertation and oral presentation. Transferable skills are taught, developed and practised through the teaching and learning programme. Numerical and statistical problem solving skills are taught on specific modules, more basic skills are normally practised on all modules. Assessed through written and oral assessments.

Opportunities for work related learning

The programme offers a specific period of work related learning in the Dissertation module (7100NATSCI). During the Research Methods module (7107NATSCI) students will have the opportunity to write and submit a grant application for funding. All work offers individuals the opportunity to develop their critical reasoning and complex problem solving skills further. Throughout the programme, emphasis is focused on the acquisition of new knowledge and skills that would secure future employment within the broad area of the Wildlife Conservation Technology.

Entry Requirements

Type	Description
Interview required	to attend an interview
Alternative qualifications considered	professional experience, publications, written reports, CPD activities and other suitable evidence of accomplishment a satisfactory reference from your employer or line manager etc
RPL	RPL is accepted on this programme
IELTS	IELTS 6.5 (Minimum of 5.5 in each component)
Undergraduate degree	a good second class honours degree in a relevant scientific discipline such as biology, conservation, animal behaviour, zoology or ecology
Other international requirements	International students applying to study a full-time taught Masters, MRes, MPhil or PhD at LJMU should check if they require an Academic Technology Approval Scheme or ATAS certificate International students entering on a Tier 4 visa cannot study part-time

Extra Entry Requirements

an academic reference

a satisfactory reference from your employer or line manager etc