![Liverpool John Moores University logo] **LIVERPOOL JOHN MOORES UNIVERSITY**

Wildlife Conservation and Drone Applications

Programme Information

2022.01, Approved

Overview

Programme Code	36070
Programme Title	Wildlife Conservation and Drone Applications
Awarding Institution	Liverpool John Moores University
Programme Type	Masters

Awards

Award Type	Award Description	Award Learning Outcomes
Target Award	Master of Science - MS	N/A
Alternative Exit	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 and Drone Applications 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 Programme Length Unit
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 and Drone Applications. 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 and Drone Applications. The specific aims of the programme are: 1. To develop students' knowledge and understanding of Wildlife Conservation and Drone Applications 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 drone 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	Number	Description
PLO1	1	Demonstrate an advanced understanding of current themes threatening wildlife such as habitat loss, disease, hunting, and infrastructure development.
PLO2	2	Critically compare and select the appropriate practical techniques for the execution of a primate behaviour and conservation study.
PLO3	3	Demonstrate understanding of the processes and requirements of writing grant applications for research funding.
PLO4	4	Identify, select and apply appropriate complex statistical tests (such as GLM) for the analysis of primate behaviour and conservation data.
PLO5	5	Communicate effectively in both written and verbal forms.
PLO6	6	Use information technology to retrieve, analyse, prepare and present information.
PLO7	7	Use appropriate numerical and statistical problem-solving skills.
PLO8	8	Demonstrate initiative and ability to work independently and in a team.
PLO9	9	Work effectively as a member of a team
PLO10	10	Plan and manage projects, manage time and meet deadlines.
PLO11	11	Demonstrate an advanced understanding of the current conservation actions that are used to mitigate the threats, such as ecosystem services valuation, integrated development and conservation, and legislation.

PLO12	12	Demonstrate an advanced understanding of technology that is used in conservation efforts such as drones and satellite-based remote sensing.
PLO13	13	Critically evaluate information and data from a variety of sources.
PLO14	14	Identify, interpret and present complex concepts and ideas.
PLO15	15	Critically evaluate experimental design.
PLO16	16	Plan and develop appropriate research methodologies including identifying appropriate statistical tests.
PLO17	17	Communicate the outcomes of a scientific study to a standard appropriate for a scientific audience (i.e. conference standard).
PLO18	18	Demonstrate a thorough understanding of the logistical issues involved in planning and conducting scientific research project.

Course Structure

Programme Structure Description	The PgDip (120 credits) Wildlife Conservation and Drone Applications 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 2022.01 - 30 credit points	
[MODULE] 7110NATSCI Technology and Operations Approved 2022.01 - 40 credit points	
[MODULE] 7111NATSCI Survey, Mapping and Field Skills Approved 2022.01 - 30 credit points	
Level 7 Optional - No credit points	OPTIONAL

Approved variance from Academic Framework Regulations

Variance
This programme has the following variances to the Academic Framework, approved by Education Committee in December 2015 and March 2016 respectively: (a) A variance to include a 40 credit module 7110NATSCI Drone Technology and Operations. (b) A variance to permit a teaching balance that weights the delivery of content to the first semester (75 credits) and to reduce the delivery in semester two (to 45 credits). Module 7109NATSCI will be delivered year-long (15 credits in each semester).

Teaching, Learning and Assessment

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 and assessed in the assignments. 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. Experimental research and design skills are assessed in the dissertation. Practical skills are taught during workshop and fieldwork sessions and assessed in some if the assignments. 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.

Opportunities for work related learning

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 and Drone Applications.

Entry Requirements

Type	Description
Other international requirements	Normally a good degree (2ii equivalent) in biological or related sciences with a recognised English language qualification (IELTS score of 6.5 with a minimum of 5.5 in each category) or Pearson score of 58-64 within 2 years prior to the programme start date (min. 51 in each component for UKVI Purposes). Recognised Prior (Experiential) Learning is considered in accordance with University regulations.
Alternative qualifications considered	Graduates: Normally entrants to the programme will have at least a second class degree in biological or related science.

Programme Contacts

Programme Leader

Contact Name
Serge Wich

Link Tutor

Contact Name