

Programme Information**2022.01, Approved****Overview**

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| Programme Code | 46455 |
| Programme Title | Human Evolution and Behaviour |
| Awarding Institution | Liverpool John Moores University |
| Programme Type | Degree with Foundation |

Awards

| Award Type | Award Description | Award Learning Outcomes |
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| Target Award | Bachelor of Science with Honours (Fnd) - BSHF | N/A |

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| Alternate Award Names | |
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External Benchmarks

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| Subject Benchmark Statement | UG-Earth sciences, environmental sciences and environmental studies (2019) |
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Programme Offering(s)

| Mode of Study, Mode of Delivery | Intake Month | Teaching Institution | Programme Length Programme Length Unit |
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| Sandwich Year Out, Face to Face | September | LJMU Taught | 5 Years |
| Full-Time, Face to Face | September | LJMU Taught | 4 Years |

Aims and Outcomes

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| Educational Aims of the Programme | <p>The Biological Anthropology programme aims to provide: A comprehensive course that explores our origins, evolution, and genetic and biological variation through the examination of the recent, archaeological, and palaeoanthropological records, plus an in-depth study of our primate relatives. The opportunity to specialise in particular branches of biological anthropology at and near the frontiers of research, and develop the technical capacity to advance those frontiers. The ability to develop scientific aptitudes such as critical thinking, problem solving and logical argument through the progressive development of key skills such as comparison, understanding, recognition, and statistical analysis, over the course of the programme. In addition to the above scientific and highly transferable skills, opportunities for the enhancement of employment prospects through the development of practical skills in fieldwork and laboratory settings. A high quality and varied learning experience to students from a range of backgrounds and educational experiences that encourages them to take responsibility at an appropriate level and to develop their full potential. The concept of continuous improvement, lifelong learning, and contribution to the wider community through personal development and scholarly activity. In addition to the aims for the main target award, the sandwich programme aims to provide students with an extended period of work experience at an approved partner that will complement their programme of study at LJMU. This will give the students the opportunity to develop professional skills relevant to their programme of study, as well as attitude and behaviours necessary for employment in a diverse and changing environment</p> |
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Learning Outcomes

| Code | Number | Description |
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| PLO1 | 1 | Evaluate, utilise and present essential facts, concepts, principles and theories of biological anthropology encompassing the study of human biological variation, primatology, palaeoanthropology, archaeology, genetics, evolution, and ecology. |
| PLO2 | 2 | Evaluate past human responses to environmental change. |
| PLO3 | 3 | Apply knowledge and understanding to problem solving and hypothesis testing. |
| PLO4 | 4 | Use appropriate resources (e.g. IT, Library) to find and organise information. |
| PLO5 | 5 | Demonstrate awareness of the methodologies used in data acquisition, analysis and interpretation. |
| PLO6 | 6 | Employ a range of methods for the collection, analysis and interpretation of information. |
| PLO7 | 7 | Undertake fieldwork and/or laboratory investigations in a responsible, safe and ethical manner. |
| PLO8 | 8 | Evaluate the significance of data using statistical techniques and draw appropriate conclusions. |
| PLO9 | 9 | Communicate scientific information effectively in written, verbal, and visual forms. |
| PLO10 | 10 | Use the internet, databases, spreadsheets and word processing packages. |

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| PLO11 | 11 | Operate as an effective member of a team. |
| PLO12 | 12 | Demonstrate understanding of the physical, behavioural, ecological and genetic aspects of the major primate groups. |
| PLO13 | 13 | Develop the ability to manage time and tasks appropriately. |
| PLO14 | 14 | Identify and work towards targets for personal, academic, professional and career development. |
| PLO15 | 15 | Demonstrate awareness of the palaeoanthropological record and of key stages of human and other primate evolution. |
| PLO16 | 16 | Understand human biology, anatomy, and aspects of human life history derived from the study of skeletal remains. |
| PLO17 | 17 | Evaluate the biological and physical factors commonly put forward to explain human uniqueness among primates. |
| PLO18 | 18 | Understand the physical settings and contexts in which fossil, archaeological and palaeoenvironmental remains are found. |
| PLO19 | 19 | Understand and critically evaluate primate conservation management practices. |
| PLO20 | 20 | Understand about the evolutionary origins of human health and disease. |
| PLO21 | 21 | Analyse, critically appraise, report and explain current research in the field of biological anthropology. |

Course Structure

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| Programme Structure Description | <p>Students will be required to complete 23 modules totalling 480 credits in four years of study. All of the modules will be delivered in the School of Biological and Environmental Sciences. The modules will be 20-credit semester-long, except the final year Dissertation module which will be 40-credit yearlong (shared with other BES programmes). Of these 23 modules, it is proposed that students complete 18 core modules, spread over four years of study, and five out of a selection of seven optional modules. One can be taken at L5 and two at L6.</p> <p>Module options: In Level 5, the students will choose in Semester 1 between Human Anatomy and Genetics (5314NATSCI) and World Archaeology (5311NATSCI). In Level 6, the students will choose in Semester 1 between Palaeopathology (6310NATSCI), Environmental Change (6307NATSCI) and Work Based Learning (6300NATSCI) and in Semester 2 between Environmental Modelling and GIS (6306NATSCI) and Advanced Forensic Anthropology (6312NATSCI).</p> <p>Study Abroad: Students will be offered the opportunity of study abroad at Level 5. Students can choose either Option A or Option B unless they undertake the Sandwich Year, in which case Option B is not available. Option A: replacement of 60 credits of Level 5 with appropriate study abroad. The programme will offer the opportunity of 60 credits of study at Level 5. Students will be enrolled on a 480 credit honours with study abroad programme. A 60 credit Level 5 study abroad module [5354NATSCI] will normally replace the semester 2 modules on the standard programme. This study abroad should cover the same learning outcomes as the modules being replaced. The modules to be studied in the host institution must be agreed in advance. The Level 5 mean for the final award mark will be calculated based upon the 120 credits at Level 5. Option B: additional study year abroad following Level 5. The programme will offer the opportunity of an additional study year abroad following Level 5. Students will be enrolled on a 600 credit honours with study abroad programme. Of those 600 credits, 120 will be taken via a Level 5 study abroad module [5353NATSCI]. The modules to be studied in the host institution must be agreed in advance. The Level 5 mean for the final award mark will be calculated based upon the 240 credits at Level 5. Sandwich Year The placement year will follow Level 5 and students will be enrolled on a 600 credit honours sandwich programme and take the module 5315NATSCI (Sandwich Year-Forensic Anthropology). The Level 5 mean for the final award mark will be calculated based upon the 240 credits at Level 5.</p> |
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| Programme Structure - 360 credit points | |
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| Level 3 - 120 credit points | |
| Level 3 Core - 120 credit points | CORE |
| [MODULE] 3401FNDSCI Skills and Perspectives in Science 1 Approved 2022.01 - 20 credit points | |
| [MODULE] 3403FNDSCI Wildlife Studies Approved 2022.01 - 20 credit points | |
| [MODULE] 3405FNDSCI Skills and Perspectives in Science 2 Approved 2022.01 - 20 credit points | |
| [MODULE] 3406FNDSCI Anatomy and Physiology Approved 2022.01 - 20 credit points | |
| [MODULE] 3407FNDSCI Understanding the Environment Approved 2022.01 - 20 credit points | |
| [MODULE] 3409FNDSCI Building Blocks of Life Approved 2022.01 - 20 credit points | |
| Level 4 - 120 credit points | |
| Level 4 Core - 120 credit points | CORE |
| [MODULE] 4206NATSCI Genetics and Evolution Approved 2022.01 - 20 credit points | |
| [MODULE] 4212NATSCI Primate Social Systems Approved 2022.01 - 20 credit points | |
| [MODULE] 4310NATSCI Introduction to Biological Anthropology Approved 2022.01 - 20 credit points | |
| [MODULE] 4311NATSCI Introduction to Archaeology Approved 2022.01 - 20 credit points | |
| [MODULE] 4314NATSCI Human Variation, Adaptation, and Ecology Approved 2022.01 - 20 credit points | |

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| [MODULE] 4400NATSCI Climate and Human Evolution Approved 2022.01 - 20 credit points | |
| Level 5 - 120 credit points | |
| Level 5 Core - 100 credit points | CORE |
| [MODULE] 5224NATSCI Primate Adaptation and Behaviour Approved 2022.01 - 20 credit points | |
| [MODULE] 5302NATSCI GIS and Employability Approved 2022.01 - 20 credit points | |
| [MODULE] 5310NATSCI Human Osteology Approved 2022.01 - 20 credit points | |
| [MODULE] 5312NATSCI Excavation and Analytical Techniques Approved 2022.01 - 20 credit points | |
| [MODULE] 5316NATSCI Palaeoanthropology Approved 2022.01 - 20 credit points | |
| Level 5 Optional - 20 credit points | OPTIONAL |
| [MODULE] 5311NATSCI World Archaeology Approved 2022.01 - 20 credit points | |
| [MODULE] 5314NATSCI Human Anatomy and Genetics Approved 2022.01 - 20 credit points | |
| Optional placement - 120 credit points | OPTIONAL |
| Placement Year - 120 credit points | OPTIONAL |
| [MODULE] 5315NATSCI Sandwich Year - Forensic Anthropology Approved 2022.01 - 120 credit points | |
| OR Study Abroad - 120 credit points | OPTIONAL |
| [MODULE] 5353NATSCI Study Year Abroad - Forensic Anthropology Approved 2022.01 - 120 credit points | |
| Optional Study Semester - 60 credit points | OPTIONAL |
| [MODULE] 5354NATSCI Study Semester Abroad - Forensic Anthropology Approved 2022.01 - 60 credit points | |
| Level 6 - 120 credit points | |
| Level 6 Core - 80 credit points | CORE |
| [MODULE] 6201NATSCI Research Project Approved 2022.01 - 40 credit points | |
| [MODULE] 6221NATSCI Primate Conservation Approved 2022.01 - 20 credit points | |
| [MODULE] 6221NATSCI Primate Conservation Approved 2022.01 - 20 credit points | |
| Level 6 Optional - 40 credit points | OPTIONAL |
| [MODULE] 6300NATSCI Work-Based Learning Approved 2022.01 - 20 credit points | |
| [MODULE] 6306NATSCI Environmental Modelling and GIS Approved 2022.01 - 20 credit points | |
| [MODULE] 6307NATSCI Environmental Change Approved 2022.01 - 20 credit points | |
| [MODULE] 6310NATSCI Palaeopathology Approved 2022.01 - 20 credit points | |
| [MODULE] 6312NATSCI Advanced Forensic Anthropology Approved 2022.01 - 20 credit points | |

Teaching, Learning and Assessment

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| Teaching, Learning and Assessment | <p>Teaching and Learning: The programme will be delivered through lectures, practical sessions including both PC based and laboratory based sessions, paper based practical sessions, workshops (discussion forums), group and individual project work, tutorials and field classes. The latter will include day-trips to zoos, animal sanctuaries, safari parks, museums and archaeological sites, residential field classes, and fieldwork experience in the UK and abroad. It is estimated that approximately 50% of learning activity will be non-lecture-based, providing students with an active and hands-on approach to learning about Biological Anthropology through practice. Students in L3 are introduced to a range of scientific approaches within the biological and environmental sciences, which serve as a platform to the main levels of the undergraduate degree. The programme will be structured so that there is a transition from the introduction of methods and topics in the field of biological anthropology in L4 to increasing applicability in L5 and complex problem solving in L6. Specifically throughout L5, students develop the ability to employ methods and skills strategically to test hypotheses and solve problems. Throughout L6 students will develop and demonstrate the ability to analyse (with increasingly complex data sets and hypotheses to test), synthesise, critically evaluate and apply solutions to real world practical problems relevant to environmental situations/management/conservation.</p> |
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Opportunities for work related learning

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| Opportunities for work related learning |
| <p>Work-related learning opportunities are available through the routes of employer seminars, guest lectures / workshops, employer-driven assignments and contact during fieldwork. The Work-based Learning placement (135 hrs) and the Sandwich placement (12 months) offer the opportunity for students to gain work experience with a relevant professional organisation. The School has a good record of providing relevant vocational training for students. Students are supported by the Professional Training Tutor who is responsible for advertising placements and promoting vocational training to students. Appropriate Work-based Learning or Sandwich placements (home or abroad) include working with e.g., zoos, conservation centres, archaeological excavations and units, environmental consultancies, museums, and forensic science companies</p> |

Entry Requirements

| Type | Description |
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| International Baccalaureate | Applicants must have (or expect to obtain) the full award including grade 5 in one appropriate science. |
| A levels | Applicants should have (or expect to obtain) at least 2 A2 Levels or equivalent, at least one of which should be in an appropriate science subject, including but not limited to Biology. We normally set a target of 88 UCAS Tariff points. |
| BTECs | Applicants should be studying an appropriate Diploma and have (or expect to obtain) a pass with at least 3 merit grades at Level 3 in appropriate units. |
| NVQ | Second year entry can potentially be arranged for candidates who have a HND or HNC with merits in the key relevant units or for those who have passed the first year of a degree programme in a closely related subject elsewhere. |
| Other international requirements | Applicants should have acquired passes in appropriate examinations in their country of origin and provide evidence of English language ability equivalent to 6.0 IELTS. |
| Alternative qualifications considered | All applicants must have GCSE Maths and English with minimum grade C, or equivalent. |

Programme Contacts

Programme Leader

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| Contact Name |
| Richard Jennings |

Link Tutor

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| Contact Name |
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