

| Module Details |                                                |
|----------------|------------------------------------------------|
| Module Title   | Musculoskeletal and Comparative Anatomy        |
| Module Code    | ARC7037-C                                      |
| Academic Year  | 2022/3                                         |
| Credits        | 30                                             |
| School         | School of Archaeological and Forensic Sciences |
| FHEQ Level     | FHEQ Level 7                                   |

| Contact Hours  |       |
|----------------|-------|
| Type           | Hours |
| Lectures       | 20    |
| Laboratories   | 36    |
| Directed Study | 244   |

| Availability |                                     |
|--------------|-------------------------------------|
| Occurrence   | Location / Period                   |
| BDA          | University of Bradford / Semester 1 |

| Module Aims                                                                                                                                                                                                                                                                                                                                                                                                                                             |
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| <p>To provide students with a detailed knowledge of human musculoskeletal anatomy, with an emphasis on a functional approach to the identification and description of fragmented human remains recovered from archaeological contexts.</p> <p>To provide students with the ability to identify animal remains to species level.</p> <p>To provide students with an understanding of the survival of soft tissue remains in archaeological settings.</p> |

| Outline Syllabus                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
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| <p><b>FAUNAL:-</b><br/>Introduction to faunal remains; Forelimbs &amp; Hindlimbs; Animal ageing; Skull, Mandible &amp; Teeth; Vertebrae, Ribs, Scapula &amp; Pelvis; Locomotion &amp; Feet.</p> <p><b>HUMAN:-</b><br/>Anatomical Nomenclature and Introduction to Soft Tissues; Pectoral Girdle &amp; Arm; Forearm &amp; Hands; Neurocranium &amp; Viscerocranium; Mandible &amp; Teeth; Brain &amp; Cranial nerves; Spine and Thorax; Pelvic Girdle; The Leg, Knee and Feet; Decomposition and preservation of soft tissues; The analysis of soft tissues.</p> |

| Learning Outcomes |                                                                                                                                                                            |
|-------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Outcome Number    | Description                                                                                                                                                                |
| 01                | Demonstrate a working knowledge of human and animal musculoskeletal anatomy that can be used to identify faunal bones and detailed knowledge of fragmentary human remains. |
| 02                | Identify and describe human remains and have an appreciation of the development and how ontogenetic changes have influenced human anatomy.                                 |
| 03                | Identify faunal remains to species level.                                                                                                                                  |
| 04                | Understand how soft tissue can be preserved in ancient human remains.                                                                                                      |
| 05                | Make refined observational judgements, and record and communicate findings accurately.                                                                                     |

| Learning, Teaching and Assessment Strategy                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
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| <p>Sessions will be in the form of laboratory practicals and lectures. There will be a formative practical bone quiz prior to the laboratory practical sessions, which will include feedback on the quiz with the specimens present. Students will be able to use Directed Study for lab revision; reading of literature detailed in the module documentation, and for researching and preparing for coursework. Teaching will utilise a combination of online and face to face activities.</p> <p>One mid-term and one end-term summative bone quiz will be taken that will enable the student to demonstrate their understanding of what has been covered in the lectures and practicals.</p> <p>An essay of 3000 words from a choice of topics will also be undertaken and written feedback will be provided.</p> |

| Mode of Assessment |                                    |                                                                                                 |           |
|--------------------|------------------------------------|-------------------------------------------------------------------------------------------------|-----------|
| Type               | Method                             | Description                                                                                     | Weighting |
| Summative          | Examination - practical/laboratory | Practical Quiz (1 Hr)                                                                           | 25%       |
| Summative          | Examination - practical/laboratory | Practical Quiz (1Hr)                                                                            | 25%       |
| Summative          | Coursework - Written               | 3000-word essay from a choice of topics relating to human anatomy, soft tissue, faunal remains. | 50%       |

| Reading List                                                                                                                                             |
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| To access the reading list for this module, please visit <a href="https://bradford.rl.talis.com/index.html">https://bradford.rl.talis.com/index.html</a> |

*Please note:*

*This module descriptor has been published in advance of the academic year to which it applies. Every effort has been made to ensure that the information is accurate at the time of publication, but minor changes may occur given the interval between publishing and commencement of teaching. Upon commencement of the module, students will receive a handbook with further detail about the module and any changes will be discussed and/or communicated at this point.*

