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| <b>Module code: MOD010966</b> | <b>Version: 1    Date Amended: 05/Nov/2025</b> |
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| <b>1. Module Title</b>        |
| Equine Anatomy and Physiology |

  

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| <b>2a. Module Leader</b> |
| Stephanie Flanigan       |

  

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| <b>2b. School</b>                                                |
| Writtle School of Agriculture, Animal and Environmental Sciences |

  

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| <b>2c. Faculty</b>                 |
| Faculty of Science and Engineering |

  

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| <b>3a. Level</b> |
| 4                |

  

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| <b>3b. Module Type</b> |
| Standard (fine graded) |

  

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| <b>4a. Credits</b> |
| 30                 |

  

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|------------------------|
| <b>4b. Study Hours</b> |
| 300                    |

| 5. Restrictions                                    |                                                                                                                                                                                                                  |             |           |
|----------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-----------|
| Type                                               | Module Code                                                                                                                                                                                                      | Module Name | Condition |
| Pre-requisites:                                    | None                                                                                                                                                                                                             |             |           |
| Co-requisites:                                     | None                                                                                                                                                                                                             |             |           |
| Exclusions:                                        | None                                                                                                                                                                                                             |             |           |
| <b>Courses to which this module is restricted:</b> | BSc Equine Therapy, rehabilitation and performance, BSc Animal Therapy, rehabilitation and performance, BSc Canine Therapy rehabilitation and performance. MVetphys Veterinary Physiotherapy, Canine and Equine. |             |           |

## LEARNING, TEACHING AND ASSESSMENT INFORMATION

| 6a. Module Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
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| <p>In this module, you'll enhance your understanding of the relationship between structure and function in the equine species. Emphasis will be placed on exploring key anatomical systems, species-specific diversity, and the physiological regulation of major body systems in horses. You'll build a solid foundational understanding of the scientific principles underlying comparative anatomy and physiology through a mix of lectures, interactive workshops, dissections, and hands-on practical sessions.</p> <p>You'll gain proficiency in identifying critical anatomical landmarks on live horses, enhancing your skills in equine assessment and care. Your comprehension of material presented in lectures and practical activities will be assessed through short quizzes. Your weekly portfolio work will encourage you to investigate the functional mechanisms that contribute to the overall health and performance of the horse, building a robust foundation for equine anatomy enquiry in subsequent modules in this course.</p> |
| 6b. Outline Content                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <p>Develop an understanding for common veterinary terminology used in industry. Investigate an in-depth the structure, function and relationship of anatomical systems in the horse, including:</p> <ul style="list-style-type: none"> <li>• Skeletal</li> <li>• Muscular</li> <li>• Joints</li> <li>• Soft tissues</li> <li>• Nerves</li> <li>• Additional main body systems</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| 6c. Key Texts/Literature                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <p>The reading list to support this module is available at: <a href="https://readinglists.aru.ac.uk/">https://readinglists.aru.ac.uk/</a></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| 6d. Specialist Learning Resources                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <p>Superlab at the lordship campus will be required/ horses/ equine skeletal structures/ dissections</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |

| 7. Learning Outcomes (threshold standards) |                                                             |                                                                                                        |
|--------------------------------------------|-------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|
| No.                                        | Type                                                        | On successful completion of this module the student will be expected to be able to:                    |
| 1                                          | Knowledge and Understanding                                 | Demonstrate and identify anatomical topography of the horse.                                           |
| 2                                          | Knowledge and Understanding                                 | Understand the function and structure of the neuromusculoskeletal and other linked systems in equines. |
| 3                                          | Intellectual, practical, affective and transferrable skills | Demonstrate use of correct terminology related to equine anatomical systems                            |

| 8a. Module Occurrence to which this MDF Refers |            |                                             |          |                  |
|------------------------------------------------|------------|---------------------------------------------|----------|------------------|
| Year                                           | Occurrence | Period                                      | Location | Mode of Delivery |
| 2026/7                                         | ZZF        | Template For Face To Face Learning Delivery |          | Face to Face     |

| 8b. Learning Activities for the above Module Occurrence |       |                   |                                                   |
|---------------------------------------------------------|-------|-------------------|---------------------------------------------------|
| Learning Activities                                     | Hours | Learning Outcomes | Details of Duration, frequency and other comments |
| Lectures                                                | 48    | 1-3               | 2hrs lectures                                     |
| Other teacher managed learning                          | 24    | 1-3               | 1hr weekly mixture of practicals and dissections  |
| Student managed learning                                | 228   | 1-3               | Self-directed study throughout the year           |
| TOTAL:                                                  | 300   |                   |                                                   |

| 9. Assessment for the above Module Occurrence                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                   |                   |               |                         |                     |
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| <p>The assessment for some modules includes a presentation (see below for details on how this particular module is assessed). We recognise that presenting, especially to a large group, can cause significant anxiety or distress for some students. If this may affect you, please contact your Module Leader or the Disability and Neurodiversity Service as early as possible. We will work with you to consider appropriate reasonable adjustments. Depending on your individual needs, these might include, for example, presenting to a smaller group or presenting only to a member of academic staff.</p> |                   |                   |               |                         |                     |
| Assessment No.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Assessment Method | Learning Outcomes | Weighting (%) | Fine Grade or Pass/Fail | Qualifying Mark (%) |
| 010                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Coursework        | 1-3               | 60 (%)        | Fine Grade              | 30 (%)              |
| Coursework: 4x in-class quiz (15% weighting each)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                   |                   |               |                         |                     |

| Assessment components for Element 010 |                  |                                                   |               |                                         |
|---------------------------------------|------------------|---------------------------------------------------|---------------|-----------------------------------------|
| Component No.                         | Assessment Title | Submission Method                                 | Weighting (%) | Components needed for Mark Calculation? |
| 010/1                                 | In class test    | Scheduled Activity:<br>Timetabled assessment task | 25 (%)        | All                                     |
| 010/2                                 | In-class test    | Scheduled Activity:<br>Timetabled assessment task | 25 (%)        |                                         |
| 010/3                                 | In-class test    | Scheduled Activity:<br>Timetabled assessment task | 25 (%)        |                                         |
| 010/4                                 | In-class test    | Scheduled Activity:<br>Timetabled assessment task | 25 (%)        |                                         |

| Assessment No.                          | Assessment Method | Learning Outcomes | Weighting (%) | Fine Grade or Pass/Fail | Qualifying Mark (%) |
|-----------------------------------------|-------------------|-------------------|---------------|-------------------------|---------------------|
| 011                                     | Practical         | 1-3               | 40 (%)        | Fine Grade              | 30 (%)              |
| Exam: Practical Lab based exam 1.5hours |                   |                   |               |                         |                     |

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| <p>In order to pass this module, students are required to achieve an overall mark of 40% (for modules at levels 3, 4, 5 and 6) or 50% (for modules at level 7*).</p> <p>In addition, students are required to:</p> <p>(a) achieve the qualifying mark for each element of fine graded assessment as specified above</p> <p>(b) pass any pass/fail elements</p> <p>[* the pass mark of 50% applies for all module occurrences from the academic year 2024/25 – see Section 3a of this MDF to check the level of the module and Section 8a of this MDF to check the academic year]</p> |
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