University of the West of England
BRISTOL

## CORPORATE AND ACADEMIC SERVICES

## MODULE SPECIFICATION

| Part 1: Basic Data | | | | | | |
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| Module Title | Animal Reproductive Physiology | | | | | |
| Module Code | UINXRM-15-2 | | Level | 2 | Version | 1.1 |
| Owning Faculty | Hartpury | | Field | Animal and Land Science | | |
| Contributes towards | BSc (Hons) Bioveterinary Science<br>BSc (Hons) Animal Science<br>BSc (Hons) Animal Science (SW)<br>BSc (Hons) Applied Animal Science<br>BSc (Hons) Applied Animal Science (SW) | | | | | |
| UWE Credit Rating | 15 | ECTS Credit Rating | 7.5 | Module Type | Standard | |
| Pre-requisites | Anatomy and Physiology (UINXNW-30-1) | | Co- requisites | None | | |
| Excluded Combinations | None | | Module Entry requirements | None | | |
| Valid From | 01 September 2016 | | Valid to | 01 September 2020 | | |

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| **CAP Approval Date** | 29 May 2014 |

| Part 2: Learning and Teaching | |
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| Learning Outcomes | On successful completion of this module students will be able to:<br>1 Demonstrate knowledge of the anatomical and functional aspects of male and female reproductive systems (A).<br>2 Explain reproductive problems and the progress of normal pregnancy and parturition in a range of animals (A, B).<br>3 Analyse the diseases and conditions affecting neonates and recognise methods of prevention (A, B).<br>4 Discuss the management of breeding animals and neonates (A).<br>5 Appraise new developments in reproductive biotechnology and analyse their use in the field (A, B). |
| Syllabus Outline | 1 Structure and function of the male and female reproductive tracts.<br>2 Hormonal control of reproduction and oestrous cycles.<br>3 Reproductive processes: fertilisation, pregnancy and parturition.<br>4 Male and female reproductive tract abnormalities: infertility, abortion, congenital abnormalities, problems with pregnancy and parturition.<br>5 Current reproductive assisted techniques: e.g. artificial insemination, embryo transfer, cloning, superovulation, synchronisation of oestrus.<br>6 Management of breeding animals and neonates. |

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| Contact Hours | Indicative delivery modes:<br><br>Lectures, guided learning, seminars 33<br>Self-directed study 3<br>Independent study 114<br>**TOTAL** **150** |
| Teaching and Learning Methods | A variety of learning strategies will be used including lectures, seminars and practicals and self-directed learning. Students will also be expected to engage in independent learning throughout the module. This will involve the preparation and writing of an assignment, revision for the examination and further reading to support formal teaching.<br><br>***Scheduled learning***<br>May include lectures, seminars, tutorials, project supervision, demonstration, practical classes and workshops; fieldwork; external visits; work based learning; supervised time in studio/workshop.<br><br>***Independent learning***<br>May include hours engaged with essential reading, case study and/or seminar preparation, assignment preparation and completion etc. These sessions constitute an average time per level as indicated in the table below. Scheduled sessions may vary slightly depending on the module choices you make.<br><br>***Virtual learning environment (VLE) (or equivalent)***<br>This module is supported by a VLE where students will be able to find all necessary module information. Direct links to information sources will also be provided from within the VLE (or equivalent). |
| Key Information Sets Information | Key Information Sets (KIS) are produced at programme level for all programmes that this module contributes to, which is a requirement set by HESA/HEFCE. KIS are comparable sets of standardised information about undergraduate courses allowing prospective students to compare and contrast between programmes they are interested in applying for.<br><br>**Key information set – module data**<br><br>Number of credits for this module: 15<br><br>Hours to be allocated: 150 \| Scheduled learning and teaching study hours: 36 \| Independent study hours: 114 \| Placement study hours: 0 \| Allocated Hours: 150<br><br>The table below indicates as a percentage the total assessment of the module which constitutes:<br><br>1 *Written Exam:* Unseen written exam, open book written exam, in-class test.<br>2 *Coursework:* Written assignment or essay, report, dissertation, portfolio, project.<br>3 *Practical Exam:* Oral Assessment and/or presentation, practical skills assessment, practical exam.<br><br>Please note that this is the total of various types of assessment and will not necessarily reflect the component and module weightings in the Assessment section of this module description:<br><br>Total assessment of the module:<br><br>Written exam assessment percentage 50%<br>Coursework assessment percentage 50%<br>Practical exam assessment percentage 0%<br>100% |

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| Reading Strategy | ***Core readings***<br>Any essential reading will be indicated clearly, along with the method for accessing it, e.g. students may be required to purchase a set text, be given a print study pack or be referred to texts that are available electronically or in the Library. Module guides will also reflect the range of reading to be carried out.<br><br>***Further readings***<br>Further reading will be required to supplement the set text and other printed readings. Students are expected to identify all other reading relevant to their chosen topic for themselves. They will be required to read widely using the library search, a variety of bibliographic and full text databases, and Internet resources. Many resources can be accessed remotely. The purpose of this further reading is to ensure students are familiar with current research, classic works and material specific to their interests from the academic literature.<br><br>***Access and skills***<br>Formal opportunities for students to develop their library and information skills are provided within the induction period and study skills sessions. Additional support is available through online resources. This includes interactive tutorials on finding books and journals, evaluation information and referencing. Sign up workshops are also offered. |
| Indicative Reading List | The following list is offered to provide validation panels/accrediting bodies with an indication of the type and level of information students may be expected to consult. As such, its currency may wane during the life span of the module specification. However, as indicated above, CURRENT advice on readings will be available via other more frequently updated mechanisms, including the module guide.<br><br>• Arthur, G.H., Noakes, D.E., Pearson, H., and Parkinson, T.J. (Current Edition) *Veterinary Reproduction and Obstetrics*. London: W. B. Saunders Company Limited.<br>• Bourdon, R.M. (Current Edition) *Understanding Animal Breeding*. London: Prentice-Hall International.<br>• England, G. and von Heimendahl, A. (Current Edition) *BSAVA Manual of Canine and Feline Reproduction and Neonatology.* Cheltenham: BSAVA.<br>• Frandson, R.D. and Spurgeon, T.L. (Current Edition) *Anatomy and Physiology of Farm Animals.* Philadelphia: Lea & Febiger.<br>• Hafez, E.S.E. (Current Edition) *Reproduction in Farm Animals*. London: Lippincott Williams & Wilkins.<br>• Peters, A.R. and Ball, P.J.H. (Current Edition) *Reproduction in Cattle*. Oxford: Blackwell Science Ltd.<br><br>Journals:<br>• Animal.<br>• Journal of Animal Science.<br>• Journal of Dairy Science.<br>• Journal of Equine Veterinary Science.<br>• The Veterinary Record. |

| Part 3: Assessment | | | |
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| Assessment Strategy | The assessment strategy for the module is via a written examination and a written assignment.<br><br>The written examination will allow the knowledge and intellectual skills gained throughout the module to be assessed in a controlled examination setting.<br><br>The written assignment will facilitate in depth utilisation of the information covered throughout the module, as well as via additional study, in evaluation and discussion of a topic relevant to animal reproductive physiology.<br><br>Formative feedback can be gained from this module in the module delivery, on blackboard, in tutorials and in revision sessions. Summative feedback can be gained upon assignment and exam scripts.<br><br>In line with the College's commitment to facilitating equal opportunities, a student may apply for alternative means of assessment if appropriate. Each application will be considered on an individual basis taking into account learning and assessment needs. For further information regarding this please refer to the VLE. | | |
| Identify final assessment component and element | Written examination | | |
| **% weighting between components A and B** (Standard modules only) | | **A:** | **B:** |
| | | 50% | 50% |
| **First Sit** | | | |
| **Component A** (controlled conditions)<br>**Description of each element** | | **Element weighting** | |
| 1 | Written examination (1 hour) | 100% | |
| **Component B**<br>**Description of each element** | | **Element weighting** | |
| 1 | Written assignment (1,500 words) | 100% | |
| **Resit (further attendance at taught classes is not required)** | | | |
| **Component A** (controlled conditions)<br>**Description of each element** | | **Element weighting** | |
| 1 | Written examination (1 hour) | 100% | |
| **Component B**<br>**Description of each element** | | **Element weighting** | |
| 1 | Written assignment (1,500 words) | 100% | |
| If a student is permitted an **EXCEPTIONAL RETAKE** of the module the assessment will be that indicated by the Module Description at the time that retake commences. | | | |