1. **Title of the module**

BICC3170 (BI317) Applications of Animal Science

1. **School or partner institution which will be responsible for management of the module**

School of Biosciences/East Kent College Group

1. **The level of the module (Level 4, Level 5, Level 6 or Level 7)**

Level 4

1. **The number of credits and the ECTS value which the module represents**

15 credits (7.5 ECTS)

1. **Which term(s) the module is to be taught in (or other teaching pattern)**

Autumn & Spring & Summer

1. **Prerequisite and co-requisite modules**

None

1. **The programmes of study to which the module contributes**

HND/C Applied Animal Science

1. **The intended subject specific learning outcomes.  
   On successfully completing the module students will be able to:**
2. Describe key scientific principles as they relate to animals
3. Discuss how scientific principles can be applied in animal industries
4. Investigate the extent to which science is applied in animal industries
5. Examine the key criteria for commercial effectiveness in a range of animal related industries and organisations
6. **The intended generic learning outcomes.  
   On successfully completing the module students will be able to:**
7. Demonstrate critical thinking skills
8. Work with complex material
9. Work and study independently and utilise resources effectively
10. Demonstrate communication and report writing skills
11. Demonstrate effective self-management skills
12. **A synopsis of the curriculum**

This module is designed to promote students’ understanding of the broad principles of science, and how the application of scientific knowledge and understanding to animal related organisations can improve the care and management of animals. Progression through the module will encourage students to appreciate what science is in its widest context, and investigate through practical assessment of a range of different organisations the differences between practices that have been developed through tradition or trial and error and those that are based on scientific understanding. Ultimately students will develop this understanding to assess the effect of the application of science on the commercial viability of animal organisations.

1. **Reading list (Indicative list, current at time of publication. Reading lists will be published annually)**

Agar S (2001), *Small Animal Nutrition,* Butterworth-Heineman

Andrews C et al (2003), *Interpet Manual of Fish Health,* Interpet Publishing

Appleby M (1999), *What should we do about animal welfare?* Blackwell Science

Chaston I and Mangles T (2002), *Small Business Marketing Management,* Palgrave

Hughes V and Weller D (2003), *Setting Up a Small Business,* Teach Yourself

Mahanta K C (1998), *Handbook of Animal Husbandry,* Ormsons Publications

Moore M (1999), *BSAVA Manual of Veterinary Nursing*, BSAVA

Reuvid J and Millar R (2003), *Start Up and Run Your Own Business,* Kogan Page

Rollin B E (1999), *Farm Animal Welfare,* Blackwell Publishing

Sainsbury D (1998), *Animal Health,* Blackwell Science

Stokes D (2002), *Small Business Management,* Continuum

UFAW (1998), *Selection and use of replacement methods in animal experimentation,* UFAW

UFAW (1990), *Guidelines on the care of laboratory animals and their use for scientific purpose; planning and design of experiments,* UFAW

Waran N (2002), *The Welfare of Horses,* Kluwer Academic

Williams S (2002), *Lloyds TSB Small Business Guide,* Press Vitesse

1. **Learning and teaching methods**

Total contact hours: 45

Private study hours: 105

Total study hours: 150

1. **Assessment methods**
   1. Main assessment methods

Assignment/Poster (1,500 words) - 50%

Assignment (1,500 words) - 50%

13.2 Reassessment methods

Like for like

1. ***Map of module learning outcomes (sections 8 & 9) to learning and teaching methods (section12) and methods of assessment (section 13)***

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Module learning outcome** | *8.1* | *8.2* | *8.3* | *8.4* | *9.1* | *9.2* | *9.3* | *9.4* | *9.5* |
| **Learning/ teaching method** |  |  |  |  |  |  |  |  |  |
| **Private Study** | **x** | **x** | **x** | **x** | **x** | **x** | **x** | **x** | **x** |
| *Lectures* | **x** | **x** |  | **x** | **x** | **x** |  |  |  |
| *Seminars* | **x** | **x** |  |  | **x** | **x** |  | **x** |  |
| *Workshops* |  |  | **x** |  | **x** | **x** |  | **x** |  |
| **Assessment method** |  |  |  |  |  |  |  |  |  |
| *Assignment x 2* | **x** | **x** | **x** | **x** | **x** | **x** | **x** | **x** | **x** |

1. **Inclusive module design**

The Partner Institution recognises and has embedded the expectations of current equality legislation, by ensuring that the module is as accessible as possible by design. Additional alternative arrangements for students with Inclusive Learning Plans (ILPs)/declared disabilities will be made on an individual basis, in consultation with the relevant policies and support services.

The inclusive practices in the guidance (see Annex B Appendix A) have been considered in order to support all students in the following areas:

a) Accessible resources and curriculum

b) Learning, teaching and assessment methods

1. **Campus(es) or centre(s) where module will be delivered**

Canterbury College

1. **Internationalisation**

Globalisation and changes in socio-economic and cultural patterns in most countries of the world have made animal welfare and research an international issue. Increase in trade, concerns about disease, transportation, use of laboratory animals, husbandry and feeding have considerable influences on animal sciences. Students are encouraged to consider these issues in a range of international perspectives including welfare, ethics relating to different cultures, laws and religions.

1. **Partner College/Validated Institution**

East Kent College Group

1. **University School responsible for the programme**

School of Biosciences

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**Revision record – all revisions must be recorded in the grid and full details of the change retained in the appropriate committee records.**

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| --- | --- | --- | --- | --- |
| Date approved | Major/minor revision | Start date of the delivery of revised version | Section revised | Impacts PLOs (Q6&7 cover sheet) |
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Revised FSO Feb 2018