1. **Title of the module**

BICC3160 (BI316) Animal Nutrition

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. Explain the chemical composition and roles of macro and micronutrients
3. Examine the principles of food analysis
4. Determine and meet the nutritional requirements of a range of animals
5. Explain the role of nutrition in health and diet-related diseases
6. **The intended generic learning outcomes.
On successfully completing the module students will be able to:**
7. Demonstrate decision making skills
8. Demonstrate critical thinking skills
9. Work with complex material
10. Demonstrate communication and report writing skills
11. Scan and organise data, abstract meaning from information and share knowledge with others
12. Demonstrate effective self-management skills
13. **A synopsis of the curriculum**

A sound knowledge of theoretical as well as practical aspects of nutrition is essential to ensure the health and welfare of animals. This module is concerned with the nutrition of companion, collection and commercial animals. It focuses upon the physical and chemical properties of dietary constituents and the application of this information to ration formulation. The methods commonly used for the analysis of foodstuffs and their limitations to the nutritionist will be examined. It will promote an awareness of the dietary needs of a variety of species and of the range of factors that are important in designing a feeding regime. Factors affecting the nutritional requirements of a range of animals will be investigated and the effects of not meeting an animal’s requirements, in terms of health, will be discussed.

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

Adams C A, *Total Nutrition – Feeding Animals for Health and Growth,* Nottingham University Press (2002)

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

Cheeke P R, *Applied Animal Nutrition – Feeds and Feeding,* 2nd edition*,* Prentice Hall (1998)

D’Mello J P F (ed), *Farm Animal Metabolism and Nutrition,* CABI (2000)

D’Mello J P F (ed), *Amino Acids in Animal Nutrition,* CABI (2003)

Edney A T B, *The Waltham Book of Dog and Cat Nutrition,* Pergamon (1998)

Kellems R O and Church D C, *Livestock Feeds and Feeding,* 5th edition,Prentice Hall (2001)

Perry T W, Cullison A E and Lowrey R S, *Feeds and Feeding,* 6th edition,Prentice Hall (2002)

Pond W G, Church D C and Pond K R, *Basic Animal Feeding and Nutrition,* Wiley (1995)

McDonald P, Edwards R A, Greenhalgh J F D and Morgan C A, *Animal Nutrition,* 5th ed,Longman (1998)

Ministry of Agriculture Fisheries and Food, *Feed Composition - UK Tables of Feed Composition and Nutritional Value for Ruminants,* HMSO

Ministry of Agriculture Fisheries and Food, *Feeding Stuffs Regulations,* HMSO

Wills J M and Simpson K W, *The Waltham Book of Clinical Nutrition of the Cat and Dog,* Pergamon (1994)

1. **Learning and teaching methods**

Total contact hours: 60

Private study hours: 90

Total study hours: 150

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

Written report (1,500 words) - 50%

Participation in Debate - 25%

Time Constrained Assignment - 25%

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* | *9.6* |
| **Learning/ teaching method** |  |  |  |  |  |  |  |  |  |  |
| **Private Study** | **x** |  |  | **x** |  | **x** | **x** |  | **x** | **x** |
| *Lectures* | **x** | **x** |  | **x** |  | **x** | **x** |  |  |  |
| *Seminars* | **x** |  |  | **x** | **x** | **x** | **x** | **x** | **x** |  |
| *Workshops* |  | **x** | **x** |  | **x** | **x** | **x** | **x** | **x** |  |
| **Assessment method** |  |  |  |  |  |  |  |  |  |  |
| *Debate* |  |  |  |  | **x** |  | **x** | **x** | **x** | **x** |
| *Report* | **x** | **x** | **x** | **x** | **x** | **x** | **x** | **x** | **x** | **x** |
| *TCA* | **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 an international issue. Increase in trade, concerns about disease and feeding have considerable influences on animal nutrition. Students are encouraged to research this subject area closely with internationalism in mind.

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.**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 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