1. **Title of the module**

BICC6660 (BI666) Pathology and Immunology

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 6

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

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

None

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

BSc Animal Science; BSc (Hons) Animal Biology and Wildlife Conservation

1. **The intended subject specific learning outcomes.  
   On successfully completing the module students will be able to:**
2. Apply detailed and coherent knowledge enabling critical analysis of the causes and processes of infectious disease and the animal body’s reaction to infectious agents
3. Apply detailed and coherent knowledge enabling critical analysis of the causes and processes of and the animal body’s reaction to non-infectious conditions
4. Apply detailed and coherent knowledge enabling critical analysis of the effects on the animal body of and the body’s reaction to trauma
5. Evaluate the roles of the immune system in the animal body’s defence against disease
6. **The intended generic learning outcomes.  
   On successfully completing the module students will be able to:**
7. Critically evaluate and abstract meaning from arguments, assumptions, concepts and data
8. Work and study independently utilising initiative and taking personal responsibility
9. Work with complex information and concepts
10. Communicate information to both specialist and non-specialist audiences
11. Demonstrate numeracy and quantitative research skills
12. **A synopsis of the curriculum**

Indicative content:

Disease processes in a variety of conditions affecting a range of animals.

The causes of specific types of disease, their effects on animal bodies and the body’s reactions to them.

Infectious agents of disease – bacteria, viruses, fungi, protozoa and multi-celled organisms

Host-pathogen relationships and the physiological effects they cause.

Causes of non-infectious disease, including metabolic and diet-related conditions

The processes of disease and the animal body’s reactions.

The effects of trauma and the body’s reaction to traumatic conditions.

Bruising, wounds, fractures etc

The animal body’s defences against a variety of diseases

The immune system and its functions.

A range of common diseases and conditions in a variety of species

Disease principles and mechanisms.

Contemporary case studies relating to animal disease in the media (for illustration and discussion.)

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

Cheville N F (2006) *An Introduction to Veterinary Pathology*, 3rd ed, New York: Wiley Blackwell

McGavin M D & Zachary J F (2011) *Pathologic Basis of Veterinary Disease*, 5th ed, St Louis: Mosby

Playfair JHL & Chain B (2012) *Immunology at a Glance*, 10th ed, New York: Wiley Blackwell

Tizard I (2008) *Veterinary Immunology: An Introduction*, 8th ed, St. Louis: Saunders Ltd

1. **Learning and teaching methods**

Total contact hours: 45

Private study hours: 105

Total study hours: 150

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

Time constrained assignment (2.5 hrs) – 50%

Written assignment (3,000 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** |  |  |
| *Lectures* | **x** | **x** | **x** | **x** |  |  | **x** |  |  |
| *Seminars* |  |  |  | **x** |  |  | **x** |  |  |
| *Workshops* |  |  |  | **x** |  |  | **x** |  |  |
| **Assessment method** |  |  |  |  |  |  |  |  |  |
| *Written assignment* | **x** | **x** | **x** | **x** | **x** | **x** | **x** | **x** | **x** |
| *Time constrained assignment* | **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**

Pathology and immunology is a global issue. Analysing of the causes and processes of infectious conditions is very important health issue across the world. Students are encouraged to consider these issues in a range of international perspectives including welfare, ethics relating to different cultures, laws and religions. Students will be expected to understand that global zoonotic diseases is a huge cause of decline of both animals and people from different countries across the world. Important research carried out globally will be considered throughout the delivery.

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