MODULE SPECIFICATION TEMPLATE

**SECTION 1: MODULE SPECIFICATIONS**

1. Title of the module

**Animal Form and Function**

1. School which will be responsible for management of the module

**Biosciences**

1. Start date of the module

**September 2012**

1. The cohort of students (onwards) to which the module will be applicable

**September 2011**

1. The number of students expected to take the module

**60**

1. Modules to be withdrawn on the introduction of this proposed module and consultation with other relevant Schools and Faculties regarding the withdrawal

**Following a review of provision material from BI309 and BI635 will be consolidated in this module with additional material. BI309 and BI635 will be withdrawn but are not taken by students outside the School**

1. Level of the module *(e.g. Certificate [C], Intermediate [I], Honours [H] or Postgraduate [M])*

**Intermediate**

1. The number of credits which the module represents

**15**

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 programme(s) of study to which the module contributes

**Biology and associated programmes -core module**

**Biochemistry and associated programmes - optional module**

1. The intended subject specific learning outcomes and, as appropriate, their relationship to programme learning outcomes
2. **Ability to describe body plans and the structural organisation of a range of animals**

**(Biology programme outcomes A5, A6; Biochemistry programme outcomes A8)**

1. **Understanding of the physiological role of a range of structures in animals (Biology programme outcomes A9; Biochemistry programme outcomes A8)**
2. **The ability to compare physiological systems across the animal kingdom (Biology programme outcomes A9, A11, C2 B1 Biochemistry programme outcomes B1, B2)**
3. **The ability to describe how physiological systems adapt to specific environmental conditions**

**(Biology programme outcomes A8, A10, A12 Biochemistry programme outcomes A7)**

1. **An practical understanding of classification on the basis of external morphological features in the arthropods.**

**(Biology programme outcomes C4, C5, C7, C8 Biochemistry programme outcomes A10 C1, C2, C3, C5)**

1. The intended generic learning outcomes and, as appropriate, their relationship to programme learning outcomes
2. **The ability to analyse and communicate experimental findings**

**(Biology programme outcomes D7 D9; Biochemistry programme outcomes B3 C6 D1 D2 D6)**

1. **Written communication**

**(Biology programme outcomes D6; Biochemistry programme outcomes A11, D2)**

1. **The ability to integrate information from variety of sources**

**(Biology programme outcomes B2, C6, , D3, D4, D5, D11, D3,D4; Biochemistry programme outcomes C4)**

1. A synopsis of the curriculum
2. **Comparative physiology – in this section the diversity of different physiological systems will be studied including circulation, gaseous exchange, feeding and digestion, excretion, nervous tissue and the senses , reproduction and locomotion**
3. **Form and Function – in this section a diverse range of taxonomic groups and their characteristics will be studied to understand the relationship between structure and function. How these characteristics equip the animal to survive and succeed in its particular environment will be explored.**
4. Indicative Reading List

**Integrated Principles of Zoology (15th ed) C.P. Hickman, L.S. Roberts, S.L. Keen, D.J. Eisenhour, A. Larson, H. L’Anson (2011)**

1. Learning and Teaching Methods, including the nature and number of contact hours and the total study hours which will be expected of students, and how these relate to achievement of the intended learning outcomes

**The subject specific knowledge will be delivered in lectures supported by reference to the core text and the scientific literature. (Outcomes 12 a-d)**

**The practical class will support development of an understanding of the relationship between structure and function and their adaptation to the environment (Outcomes 12e , 13a,13b,13c)**

**Contact Hours 30 hours**

**Lectures 22 hours**

**Practical classes 8 hours**

**Self Study Hours 120 hours**

**Recommended reading 60 hours**

**Preparation of Practical reports 20 hours**

**Preparation for in class test 40 hours**

1. Assessment methods and how these relate to testing achievement of the intended learning outcomes

**In class test (60%) – will assess outcomes 12 a-d, 13b & c**

**Practical – form and function in arthropods (20%) outcomes 12e, 13a and b**

**Practical – dissection – (20%) outcomes 12d 13a &b**

1. Implications for learning resources, including staff, library, IT and space

**Copies of the core text will be needed for the library**

**The module is based on existing modules and there should be no additional implications for staff and laboratory space resources**

1. **The School recognises and has embedded the expectations of current disability equality legislation, and supports students with a declared disability or special educational need in its teaching. Within this module we will make reasonable adjustments wherever necessary, including additional or substitute materials, teaching modes or assessment methods for students who have declared and discussed their learning support needs. Arrangements for students with declared disabilities will be made on an individual basis, in consultation with the University’s disability/dyslexia support service, and specialist support will be provided where needed.**
2. Campus(es) where module will be delivered[[1]](#footnote-1)

**Canterbury**

**SECTION 2: MODULE IS PART OF A PROGRAMME OF STUDY IN A UNIVERSITY SCHOOL**

**Statement by the School Director of Learning and Teaching/School Director of Graduate Studies (as appropriate):** "I confirm I have been consulted on the above module proposal and have given advice on the correct procedures and required content of module proposals"

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| ................................................................  Director of Learning and Teaching/Director of Graduate Studies (delete as applicable)  …………………………………………………  Print Name | ..............................................  Date |

**Statement by the Head of School:** "I confirm that the School has approved the introduction of the module and, where the module is proposed by School staff, will be responsible for its resourcing"

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| .................................................................  Head of School  …………………………………………………….  Print Name | ..............................................  Date |

1. Required for information purposes only. Changes of campus will not require re-approval of the module specification. [↑](#footnote-ref-1)