Module Specification

BS1060 Multicellular Organisation - An Introduction to Physiology, Pharmacology and Neuroscience

Academic Year: 2021/2
Module Level: Year 1
Scheme: UG
Department: Biological Sciences
Credits: 30

Student Workload (hours)

Synchronous Lectures	0
Synchronous Small Group Teaching	5
Synchronous Practical Classes/ Workshops/Professional Placements	2
Synchronous Other	12
Asynchronous Lectures/Presentations	30
Asynchronous Other	100
Guided Independent Study	151
Total Module Hours	300

Period: Semester 2
Occurence: E
Coordinator: Volko Straub
Mark Scheme: UG Module Mark Scheme

No.	Assessment Description	Weight %	Qual Mark	Exam Hours	Ass't Group	Alt Reass't
001	Test 1	30				
002	Test 2	30				
003	Lab Practical Report	30				
005	Engagement	10				

Intended Learning Outcomes

On successful completion of the module, students should be able to:
- Describe general aspects of the organisation, function and operating principles of the main physiological systems in the human body.
- Apply basic concepts of pharmacology to classes of cell surface receptors for neurotransmitter, hormones and local mediators.
- Describe the properties of cell surface receptors, their functions and relevant signalling pathways.
- Explain how individual physiological systems work together to achieve whole body homeostasis.
- Demonstrate understanding of human physiological measurements
- Handle, manipulate, display and statistically analyse physiological data.

Teaching and Learning Methods

Lectures, practical classes, tutorials

Assessment Methods

Tests x2, report and engagement

Pre-Requisites

Co-Requisites

Excluded Combinations

Guided Independent Study: Indicative Activities

• Read a variety of relevant source material including textbooks and scientific articles. Specific reading tasks will be posted during the lectures and on Blackboard.
• Prepare report including data handling.
• Revise module content guided by lecture material and module workbook as well as external sources.
• Prepare and revise material covered in group work sessions (listed as tutorials).
• Prepare for practical sessions assisted by practical handbooks.
• Complete formative online tests to check understanding of material and prepare for summative online tests and exams.