Module Specification

BS3033 Physiology, Pharmacology and Behaviour

Academic Year: 2021/2
Module Level: Year 3
Scheme: UG
Department: Biological Sciences
Credits: 15

Student Workload (hours)

Synchronous Lectures	23
Synchronous Small Group Teaching	3
Synchronous Practical Classes/ Workshops/Professional Placements	10
Synchronous Other	
Asynchronous Lectures/Presentations	
Asynchronous Other	
Guided Independent Study	114
Total Module Hours	150

Period: Semester 2
Occurence: E
Coordinator: Frank Proudlock
Mark Scheme: UG Module Mark Scheme

No.	Assessment Description	Weight %	Qual Mark	Exam Hours	Ass't Group	Alt Reass't
001	Essay (2000 words)	30				
002	Group Presentation	15				
003	End of Module Assessment	50		3		
004	Engagement	5				

Intended Learning Outcomes

On successful completion of the module, students should be able to:
- Interpret the hierarchical and parallel processing of visual information by the brain and be able to relate this to the process of image extraction.
- Correlate the roles of the different brain structures involved in voluntary movement and be able to reconstruct, in overview, their interactions during movement generation.
- Evaluate the role of a variety of brain mechanisms in generating feeding behaviour and pursuit of other rewards.
- Describe some of the different approaches to investigating CNS function and compare their relative advantages and disadvantages.
-Relate the role of integration within the CNS with particular reference to sensori-motor integration, higher functions such as learning, memory and attention and to higher disorders of the CNS such as schizophrenia.
- Work individually and in groups, be able to discuss orally, or present in writing a critical analysis of a theory of some aspects of brain function based on the use of recent research reports.

Teaching and Learning Methods

Lectures; critical analysis with peers of mainstream science documentary; practical classes, discussion, and preparation; directed reading

Assessment Methods

Group presentation
Essay (2000 words)
End of module assessment (final)
Engagement

Pre-Requisites

Co-Requisites

Excluded Combinations

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Guided Independent Study: Indicative Activities

- Read a variety of relevant source material including textbooks and scientific articles. Specific reading tasks will be posted as part of the course material and on Blackboard.
- Research scientific literature to answer coursework essay.
- Research scientific literature relevant to group presentation.
- Revise module content guided by module activities as well as external sources.
- Prepare for practical sessions assisted by module activites.
- Complete formative online engagement activites.

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