

BIOS 1033 CONCEPTS IN HUMAN PHYSIOLOGY

Legacy Code 301254

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Student Contribution Band

Check your fees via the Fees (https://www.westernsydney.edu.au/currentstudents/current_students/fees/) page.

Learning Outcomes

On successful completion of this subject, students should be able to:

1. Describe the component parts of a cell and how cell interactions occur
2. Recognise that all physiological systems are interdependent
3. Define the concept of homeostasis and explain how different mechanisms regulate its function
4. Explain physical, chemical and electrical principles of cell communication
5. Recognise structure and function relationships
6. Collect and interpret data from practical classes investigating physiological principles

Subject Content

1. Cell function, membranes, communication and their interdependence
2. Information flow: a. Physical principals of physiology: pressure driven (flow, viscosity and resistance) and electrically driven (force, potential, and currents) b. Chemical principles of physiology: energy, intermolecular forces, gradients and kinetics
3. Homeostasis
4. Interpretation of physiological data

Assessment

The following table summarises the standard assessment tasks for this subject. Please note this is a guide only. Assessment tasks are regularly updated, where there is a difference your Learning Guide takes precedence.

Type	Length	Percent	Threshold	Individual/ Group Task	Mandatory
5 x tutorial worksheets each	30 minutes	40	N	Individual	
3 x Practical Quizzes	15 minutes each	30	N	Individual	
Multiple choice and/or short answer quizzes x2	30 minutes each	30	Y	Individual	