

COURSE DETAIL

PHYSICAL BASIS OF BIOLOGICAL SYSTEMS

Country

Australia

Host Institution

University of Queensland

Program(s)

University of Queensland

UCEAP Course Level

Lower Division

UCEAP Subject Area(s)

Physics

UCEAP Course Number

30

UCEAP Course Suffix**UCEAP Official Title**

PHYSICAL BASIS OF BIOLOGICAL SYSTEMS

UCEAP Transcript Title

BIOLOGICAL SYSTEMS

UCEAP Quarter Units

6.00

UCEAP Semester Units

4.00

Course Description

This is a non-calculus introduction to physics in a biological context, introducing the physical principles that underlie the biological world. It covers the major topic areas of forces and motion, bulk materials (elasticity and fluids), thermodynamics, electricity and biomedical imaging. The course will be divided into four modules: Forces and motion; Energy and waves; Bulk material properties; Principles of sensing.

Language(s) of Instruction

English

Host Institution Course Number

PHYS1171

Host Institution Course Title

PHYSICAL BASIS OF BIOLOGICAL SYSTEMS

Host Institution Campus

Queensland

Host Institution Faculty**Host Institution Degree****Host Institution Department**

Physics

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