

BSC (HONS) PHYSIOLOGY

Programme Learning Outcomes

Programme Learning Outcomes for BSc in Physiology (NFQ Level 8, Major Award)

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

- Describe the different physiological systems and how they integrate to determine the function of the organism as a whole;
- Explain with suitable molecular, cellular and integrated physiology examples, the concept of homeostasis and how its disruption can lead to the disease state;
- Select techniques suitable for the evaluation of physiological process at the molecular, cellular, organ and system level, in an integrated manner that can be used to increase our knowledge of both normal and pathophysiological states;
- Critically evaluate research publications to enable them to formulate research ideas and hypotheses, and design experiments with appropriate controls;
- Interpret laboratory findings, perform appropriate statistical analysis and clearly communicate their research findings to both scientific and lay audiences, both orally and in writing, in the context of their laboratory research projects and course work.