

Module Title:	The Living Cell
Academic year:	2009 2010
Credit Value:	7
Pre- requisites:	Biology 1 & 2, Nutritional biology
Assessment:	Term Exams (50%), Laboratory Reports and Exam (35%), Mid-Term Continuous Assessment (CAs) (15%).
Aims	<p>This module aims to provide the student with:</p> <ul style="list-style-type: none"> ▪ A knowledge of the nature and structure the cell membrane and membrane transport systems. ▪ An understanding of the nature, structure and function of cellular lipids. ▪ The practical skills required to perform various spectrophotometric analyses of lipids and carbohydrate assays. ▪ An understanding of the structure and functions of carbohydrates and vitamins. ▪ A knowledge of the sources of cellular energy.
Module Content	<p>The Cell Membrane Excitable Membranes Techniques for Membrane Study Cell Lipids: Biomolecules Lipid analysis Introduction to Carbohydrates Sources of Energy</p>

Intended Learning Outcomes:
(September 2007)

- At the end of this module the student will be able to:
- Describe the nature and structure of the cell membrane and membrane transport
 - Identify key structures and function of cell membrane.
 - Perform lipid and carbohydrate assays and understand their theory.