

Module Title:	Advanced Spectroscopic Problems
Academic year:	2009 – 2010
Credit Value:	3
Pre- requisites:	None
Assessment:	Continuous Assessments 40% Final Exam 60%
	This module aims to provide the student with: The practical and intellectual tools to characterise and identify organic chemicals and pharmaceuticals, using wet tests together with IR, UV, MS, and NMR spectroscopy.
Module Content	<ul style="list-style-type: none"> • Molecular formula • NMR Spectroscopy • Mass Spectrometry • Structural elucidation
Intended Learning Outcomes:	Having successfully completed this module the student will be able to: <ul style="list-style-type: none"> • Apply advanced spectroscopic techniques to structural elucidation of compounds, checking the structural assignment with back-prediction of spectra from structure where appropriate.