

2020/1 - CHE-5101A ORGANIC CHEMISTRY

Autumn Semester, Level 5 module

(Maximum 90 Students)

UCU: 20

Organiser: Professor Andy Cammidge

(UG) MODULE - 40% PASS ON AGGREGATE

Module Type: Examination with Coursework or Project

Timetable Slot:F2-A2\,B1*D1/*E1/*D3/,B1|D1\

Exam Paper(hrs):2

Exam Period:SPR-02

BEFORE TAKING THIS MODULE YOU MUST TAKE CHE-4101Y

This course builds on Chemistry of Carbon-based Compounds (the first year organic chemistry course). You will cover four main topics. The first 'aromaticity' includes benzenoid and hetero-aromatic systems. The second major topic is the organic chemistry of carbonyl compounds. Spectroscopic characterisation of organic compounds is reviewed and the final major topic is 'stereochemistry and mechanisms'. This covers conformational aspects of acyclic and cyclic compounds. Stereoelectronic effects, Neighbouring Group Participation (NGP), Baldwin's rules, Cram's rule and cycloaddition reactions are then discussed.