Course Title:	**Chemistry for Drug Discovery**
Course Code:	**CHEM803**
Descriptor Start Date:	**12/07/2021**
POINTS:	**15.00**
LEVEL:	**8**
PREREQUISITE/S:	
COREQUISITE/S:	
RESTRICTION/S:	

LEARNING HOURS

Hours may include lectures, tutorials, online forums, laboratories. Refer to your timetable and course information in Canvas for detailed information.

Total learning hours: 150

PRESCRIPTOR

Examines the drug discovery process from the generation of lead compounds and lead optimisation to the scale-up of active pharmaceuticals and their formulation.

LEARNING OUTCOMES

1. Analyse and critique advanced concepts pertinent to the field of organic chemistry, including synthetic methods, mechanisms of organic reactions and NMR spectroscopy.
2. Critically discuss contemporary and/or emergent issues in the field of organic chemistry, including synthetic methods, mechanisms of organic reactions and NMR spectroscopy.
3. Present work at the appropriate academic standard.

CONTENT

• Discussion and critique of various areas of organic chemistry. Specific topics may vary as appropriate from year to year. General topics may include (but are not limited to) the following:
  o Modern synthetic methods
  o The mechanisms of organic reactions
  o Advanced NMR spectroscopy

LEARNING & TEACHING STRATEGIES

This course will be offered as a course of lectures. Students will be expected to do their own readings around the various topics. Students are expected to actively participate in classroom discussions.

ASSESSMENT PLAN

Assessment Event	Learning Outcomes
Test 1 (50 mins)	LO1, LO2, LO3
Test 2 (120 mins)	LO1, LO2, LO3

Grade Map **MAP1**

A+ A A- Pass with Distinction
B+ B B- Pass with Merit
C+ C C- Pass
D Fail

Overall requirement/s to pass the course:

Students must achieve all learning outcomes in order to pass this course.

LEARNING RESOURCES

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For further information, contact: Te Ara Hauora A Putaiao - Faculty of Health & Environmental Science

Principal Programme:	**HA1037, Master of Science (Research)**
Related Programme/s:	**AK1037 Master of Science (Research)** **AK1038 Postgraduate Diploma in Science** **AK1039 Postgraduate Certificate in Science** **AK1040 Bachelor of Science (Honours)** **AK2037 Master of Science** **AK2040 Bachelor of Advanced Science (Honours)**