

CUMC40006 Analytical Chemistry in Conservation

Credit Points:	12.50
Level:	4 (Undergraduate)
Dates & Locations:	2010, Parkville This subject commences in the following study period/s: Semester 2, Parkville - Taught on campus.
Time Commitment:	Contact Hours: A 1-hour lecture and a 2-hour tutorial or practical class per week Total Time Commitment: Total time commitment 120 hours
Prerequisites:	Admission to the Master of Cultural Material Conservation; subject prerequisite 108-400 Conservation Materials Chemistry
Corequisites:	N/A
Recommended Background Knowledge:	N/A
Non Allowed Subjects:	N/A
Core Participation Requirements:	For the purposes of considering requests for Reasonable Adjustments under the Disability Standards for Education (Cwth 2005), and Students Experiencing Academic Disadvantage Policy, academic requirements for this course are articulated in the Course Description, Course Objectives and Generic Skills of this entry. The University is dedicated to provide support to those with special requirements. Further details on the disability support scheme can be found at the Disability Liaison Unit website: http://www.services.unimelb.edu.au/disability/
Coordinator:	Dr Petronella Nel
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Subject Overview:	This subject aims to provide students with an introduction to the fundamental principles and practical applications of the major analytical techniques used in cultural materials conservation. The subject builds upon the students' knowledge gained in Conservation Materials Chemistry. It covers the use of analytical techniques relevant to the conservation of cultural heritage, including micro-chemical testing, mass spectrometry, atomic absorption and emission spectroscopy. Students learn to devise appropriate testing regimes, prepare samples, undertake analysis and manage analytical quality
Objectives:	Upon completion of this subject students should: <ul style="list-style-type: none"> # understand the role and practical application of analysis in conservation # have the ability to evaluate research literature, select appropriate analytical methods, determine analytical pathways, and prepare samples for analysis
Assessment:	A 1000 word technical paper, 20% (due mid semester), a 3000 word technical report / group project, 60% (due end of semester) and a 1000 word class power point presentation, 20% (due end of semester)
Prescribed Texts:	A subject reader will be available.
Breadth Options:	This subject is not available as a breadth subject.

Fees Information:	Subject EFTSL, Level, Discipline & Census Date, http://enrolment.unimelb.edu.au/fees
Related Course(s):	Master of Cultural Material Conservation Postgraduate Diploma in Arts (Cultural Material Conservation)