108-450 Analytical Chemistry in Conservation

Credit Points:	12.500
Level:	Undergraduate
Dates & Locations:	2008, This subject commences in the following study period/s: Semester 2, - Taught on campus.
Time Commitment:	Contact Hours: A 1-hour lecture and a 2-hour tutorial or practical class each week Total Time Commitment: Not available
Prerequisites:	108449 Conservation Materials Chemistry
Corequisites:	None
Recommended Background Knowledge:	None
Non Allowed Subjects:	None
Core Participation Requirements:	For the purposes of considering request for Reasonable Adjustments under the Disability Standards for Education (Cwth 2005), and Student Support and Engagement Policy, academic requirements for this subject are articulated in the Subject Overview, Learning Outcomes, Assessment and Generic Skills sections of this entry. It is University policy to take all reasonable steps to minimise the impact of disability upon academic study, and reasonable adjustments will be made to enhance a student's participation in the University's programs. Students who feel their disability may impact on meeting the requirements of this subject are encouraged to discuss this matter with a Faculty Student Adviser and Student Equity and Disability Support: http://services.unimelb.edu.au/disability
Coordinator:	Caroline Kyi
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 108-449 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.
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:	None
Recommended Texts:	A subject reader will be available from the Bookroom at the beginning of semester
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
Generic Skills:	# On completion of this subject students should understand the role and practical application of analysis in conservation. They should have the ability to evaluate research literature; to select appropriate analytical methods, determine analytical pathways, and prepare samples for analysis
Related Course(s):	Master of Cultural Material Conservation