

Module Specification

Module Summary Information

1	Module Title	Applied Gemmology
2	Module Credits	60
3	Module Level	5
4	Module Code	GEM5006

5	Module Overview
<p>This module is designed to build on the Level 4 modules to further expand your knowledge of gemstone properties and characteristics, and to increase the range of gemstones that you are familiar with.</p> <p>On completion of the module, you will be able to describe a wide range of gemstone phenomena and properties, and build further on the knowledge gained at Level 4 to explain more advanced gemmological concepts and theories. You will develop your basic gem testing abilities so that you can undertake critical analysis of testing techniques on a wide variety of organic, non-organic, ornamental, natural, artificial and treated stones, in rough and fashioned forms, both loose and mounted in jewellery.</p> <p>You will also become familiar with specialist gemmological terms and vocabulary, and how to present relevant information clearly and accurately. These accurate and specialist skills will be central to your future employment, and you will also be introduced to the advanced testing skills of FTIR and Raman spectroscopy.</p>	

6	Indicative Content
<p>The module is delivered through a combination of theory lectures, seminars, tutorials, group work and practical workshop sessions.</p>	

7	Module Learning Outcomes
On successful completion of the module, students will be able to:	
	1 Explain the colouring mechanisms and common treatments for a variety of gemstones.
	2 Test a wide range of gem materials, and accurately interpret results.
	3 Present test results to correct scientific standards.

8	Module Assessment		
Learning Outcome			
	Coursework	Exam	In-Person
1	X		
2		X	
3		X	

9	Breakdown Learning and Teaching Activities	
Learning Activities	Hours	
Scheduled Learning (SL) includes lectures, practical classes and workshops, peer group learning, Graduate+, as specified in timetable	125	
Directed Learning (DL) includes placements, work-based learning, external visits, on-line activity, Graduate+, peer learning, as directed on VLE	275	
Private Study (PS) includes preparation for exams	200	
Total Study Hours:	600	