

Course Specification

Course Summary Information		
1	Course Title	MSc Gemmology
2	Course Code	PT1545
3	Awarding Institution	Birmingham City University.
4	Teaching Institution(s) (if different from point 3)	N/A
5	Professional Statutory or Regulatory Body (PSRB) accreditation (if applicable)	N/A

6	Course Description
	<p>Our Masters programme gives you the tools and techniques necessary to undertake research at the forefront of your chosen gemmological area.</p> <p>Based in custom designed facilities within Birmingham's Assay Office, in the historic Jewellery Quarter, you will have access to equipment more commonly seen in research laboratories, and, through our network of contacts, potential access to a greater range of tools.</p> <p>What's covered in the course</p> <ul style="list-style-type: none"> • This course encourages you to investigate gemmological questions and theories, by way of literature-based peer-reviewed research and practical testing. • You will be supported throughout your studies by our experienced tutors, with a wealth of knowledge and experience between them - all recognised industry professionals. • As well as learning important skills for your future career development from our practical modules, you will learn valuable research techniques and analytical skills, which will stand you in good stead with future potential employers. • You will also benefit from the extensive network of gemmologists through our contacts in various organisations across the globe, including laboratories, museum, auction houses and various other related sectors. <p>'This gemmology masters course offers a natural progression into the research fields of laboratory work. It also represents an amazing opportunity to take gemmology to deeper levels, and potentially discover new aspects or solve new or existing problems or questions. As an innovative course within a world-renown and award-winning School, this is a unique opportunity for anyone with an interest in gemmology.'</p> <p>Andrew Fellows (Lecturer)</p>

7	Course Awards		
7a	Name of Final Award	Level	Credits Awarded
	Master of Science in Gemmology	Level 7	180
	Master of Science in Gemmology with Professional Placement (optional)	Level 7	240
7b	Exit Awards and Credits Awarded		
	Post Graduate Certificate in Gemmology	Level 7	60
	Post Graduate Diploma in Gemmology	Level 7	120

8	Derogation from the University Regulations		
	N/A		

9	Delivery Patterns		
	Mode(s) of Study	Location(s) of Study	Duration of Study
	Full-Time	Jewellery Quarter, School of Jewellery/Assay Office/St Paul's	1 years
			Code(s)
			PT1545

10	Entry Requirements	
	Home:	BSc Gemmology and Jewellery Studies at BCU or a relevant honours degree from UK University (minimum 2:2.) Relevant courses such as Mineralogy, Geology, Earth Sciences.
	EU:	A first degree from an overseas university (GPA 3.0 out of 4.0 or average 75 per cent or any other equivalence to the above UK qualification). IELTS 6.0 (5.5 in all components) or equivalent is required.
	International:	A first degree from an overseas university (GPA 3.0 out of 4.0 or average 75 per cent or any other equivalence to the above UK qualification). IELTS 6.0 (5.5 in all components) or equivalent is required.
11	Course Learning Outcomes	
	Stage Outcome: PG Certificate	
1	Analyse and appraise potential solutions to a range of topics.	
2	Present and communicate results in a variety of formats.	
3	Work collaboratively with peers to achieve group objectives.	
4	Demonstrate professionalism in working practices.	
	Stage Outcomes PG Diploma	
1	Demonstrate effective use of advanced gemmological testing techniques.	
2	Create accurate, concise and professional output, based on relevant data.	

3	Analyse current issues facing the gemmological and allied jewellery industries.
4	Demonstrate competence with a range of digital technology.
KNOWLEDGE AND UNDERSTANDING	
K1	Utilise advanced gemmological testing techniques and data analysis, to further your understanding of your own research.
K2	Analyse current problems facing the gemmological and allied jewellery industries, particularly in the areas of ethics and sustainability.
K3	Critically evaluate new insights and research which are at the forefront of the discipline.
K4	Demonstrate innovative application of theoretical and practical understanding of laboratory techniques to resolve gemmological challenges.
SKILLS AND OTHER ATTRIBUTES	
S1	Demonstrate personal effectiveness through self-awareness, project management and time management to deliver a research project.
S2	Clearly communicate and effectively present results of complex data analysis.
S3	Integrate digital scholarship into your practice by engaging with emerging practice utilising digital systems.
S4	Show professionalism with your standards of laboratory practice.

12	Course Requirements																											
12a	<p><i>In order to complete this course a student must successfully complete all the following CORE modules (totalling 180 credits):</i></p> <table border="1"> <thead> <tr> <th>Module Code</th> <th>Module Name</th> <th>Credit Value</th> </tr> </thead> <tbody> <tr> <td>GEM7000</td> <td>Data Analysis and Presentation Techniques</td> <td>20</td> </tr> <tr> <td>GEM7001</td> <td>Advanced Laboratory Practice</td> <td>40</td> </tr> <tr> <td>ADM7004</td> <td>Research and Professional Skills</td> <td>20</td> </tr> <tr> <td>ADM7013</td> <td>Responsible, Ethical and Sustainable Developments</td> <td>20</td> </tr> <tr> <td>GEM7003</td> <td>Advanced Crystal Properties</td> <td>20</td> </tr> <tr> <td>GEM7004</td> <td>Major Project: MSc Gemmology</td> <td>60</td> </tr> </tbody> </table> <p><i>In order to complete the MSc Gemmology with Professional Placement course, a student must successfully complete this 60 credit optional module</i></p> <table border="1"> <thead> <tr> <th>Module Code</th> <th>Module Name</th> <th>Credit Value</th> </tr> </thead> <tbody> <tr> <td>PLA6003</td> <td>Professional Placement</td> <td>60</td> </tr> </tbody> </table>	Module Code	Module Name	Credit Value	GEM7000	Data Analysis and Presentation Techniques	20	GEM7001	Advanced Laboratory Practice	40	ADM7004	Research and Professional Skills	20	ADM7013	Responsible, Ethical and Sustainable Developments	20	GEM7003	Advanced Crystal Properties	20	GEM7004	Major Project: MSc Gemmology	60	Module Code	Module Name	Credit Value	PLA6003	Professional Placement	60
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12b Structure Diagram
SEPTEMBER INTAKE

SEMESTER 1		
GEM7000 Data Analysis and Presentation Technique (20 credits)		
GEM7001 Advanced Laboratory Practice (40 credits)		

PG Cert

SEMESTER 2		
ADM7004 Research & Professional Skills (20 credits)	ADM7013 Responsible, Ethical and Sustainable Developments (20 credits)	GEM7003 Advanced Crystal Properties (20 credits)

PG Dip

SEMESTER 3		
ADM7000 Major Project (60 credits)		
SEMESTER 4 - Optional		

PLA6003 Professional Placement (60 credits)

MSc with Professional Placement

JANUARY INTAKE

SEMESTER 1		
ADM7004 Research & Professional Skills (20 credits)	ADM7013 Responsible, Ethical and Sustainable Developments (20 credits)	GEM7003 Advanced Crystal Properties (20 credits)

PG Cert

SEMESTER 2		
GEM7000 Data Analysis and Presentation Technique (20 credits)		
GEM70001 Advanced Laboratory Practice (40 credits)		

PG Dip

SEMESTER 3

GEM7004 Major Project: MSc Gemmology (60 credits)

MSc

SEMESTER 4 - Optional

PLA6003 Professional Placement (60 credits)

MSc with Professional Placement

13 Overall Student Workload and Balance of Assessment

Overall student *workload* consists of class contact hours, independent learning and assessment activity, with each credit taken equating to a total study time of around 10 hours. While actual contact hours may depend on the optional modules selected, the following information gives an indication of how much time students will need to allocate to different activities at each level of the course.

- *Scheduled Learning* includes lectures, practical classes and workshops, contact time specified in timetable
- *Directed Learning* includes placements, work-based learning, external visits, on-line activity, Graduate+, peer learning
- *Private Study* includes preparation for exams

The *balance of assessment* by mode of assessment (e.g. coursework, exam and in-person) depends to some extent on the optional modules chosen by students. The approximate percentage of the course assessed by coursework, exam and in-person is shown below.

Level 7

Workload

% time spent in timetabled teaching and learning activity

Activity	Number of Hours
Scheduled Learning	240 (13%)
Directed Learning	1,090 (61%)
Private Study	470 (26%)
Total Hours	1,800

Balance of Assessment

Assessment Mode	Percentage
Coursework	90%
Exam	0%
In-Person	10%