MSc Internal Medicine
APPLICATION HANDBOOK 2022/23

Courses:
Postgraduate Certificate in Internal Medicine
Postgraduate Diploma in Internal Medicine
Master of Science in Internal Medicine

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Introduction

The Postgraduate Certificate (PGCert), Diploma (PGDip) and Masters (MSc) in Internal Medicine have been developed as part of the Clinical Specialties Programme within Brighton and Sussex Medical School and are jointly validated by the University of Brighton and the University of Sussex. The courses are designed for part-time or full-time study to meet the educational needs of medical trainees interested in a career in Internal Medicine.

The course has been designed to take into account the professional and academic development of senior internal medicine specialists and to provide a rounded education which includes current advances in medical sciences and their application in clinical practice. This increased scientific awareness of pathophysiological processes will prepare Medical Trainees for advanced practice and senior clinical posts in the future.

Aims and Learning Outcomes for the Course

Aims
The aims of the course are:

- To provide Medical Trainees with advanced education in order to equip them to be capable, informed and creative consultants of the future.
- To provide learning and insights into advanced professional practice in Medicine – many of which are not normally included in standard Medical Training.
- To prepare Medical Trainees to be research aware and research active.

Learning Outcomes

PG Cert and PGDip:
Upon successful completion of the programme, you will be able to:

1. Demonstrate a comprehensive understanding of research methods and critical appraisal (MDM10)
2. Evidence a critical understanding of the organisational and policy context and the drivers for change to enable clinicians to contribute more effectively to improving the design, delivery, outcomes and cost effectiveness of services. (MDM110);
3. Display an advanced level of understanding of communication and teaching in relation to patients and colleagues of all levels. (MDM122);
4. Demonstrate an advanced understanding of “intensive medicine”, including both the pathophysiology of common conditions which result in severe life-threatening illness, and the modern management of these problems; along with a systematic understanding of intensive care medicine and the pathophysiology underlying severe illness. (MDM168).

5. Demonstrate an in-depth advanced understanding of the principles of autoimmune processes and their application across various medical specialties in clinical practice. (MDM166)

6. Demonstrate an advanced, in-depth awareness and understanding of infection and be able to provide appropriate solutions or actions to deal with those. (MDM167)

7. To introduce students to the emerging concept of “Frailty”, to give them a comprehensive, contemporary understanding of how it is defined, measured and how it is used in research and clinical practice. (MDM169)

8. Analyse and synthesise data from a wide variety of sources to inform evidence-based practice in Internal Medicine. (All modules)

**MSc:**

Upon successful completion of the PGDip programme, in addition to the above students will be able to:

1. Identify a research question, plan, conduct and report/publish a research project in their chosen area of Internal Medicine.

**Entry Requirements**

This course will be open to Doctors who have completed foundation training (or equivalent) and have completed at least part one of the Membership of the Royal College of Physicians (UK) examination – or equivalent post-graduate professional qualification. Applications will also be considered from those that have an equivalent level of experience and qualification. Applications for single module study of MDM166 and MDM169 may be considered from allied health professionals with appropriate academic and clinical experience (see individual module handbooks for more details).

All applications will be subject to the University Equal Opportunities Policy. Applications are welcomed from International Students with appropriate qualifications and experience. Students for whom English is not a first language must demonstrate an acceptable standard of comprehension and communication in the English Language (IELTS: minimum overall score of 7.0 and 7.0 for the writing element).
Where necessary, applicants may enrol in an English Pre-sessional course which takes place before admission to the MSc Course.

Claims for the Recognition of Prior Learning (RPL) will be considered.

The BSMS Postgraduate Induction Day will take place remotely on **September 26th 2022***, for all successful applicants and you are strongly recommended to attend.

*The date & location are subject to change

## Course Structure

The academic standard is the same for each of the three awards (PGCert, PGDip and MSc) as they are all taught at Postgraduate (M/7) level. The difference lies in the number of modules taken and, for the MSc, the completion of a dissertation. Successful completion of the Certificate, Diploma and MSc require 60, 120 and 180 credits respectively (one module is worth 20 credits and the Dissertation is worth 60 credits).

To achieve the PGCert Internal Medicine award, students are required to either complete three of the four clinical modules:

- Autoimmunity (MDM166)
- Infectious Diseases & HIV Medicine (MDM167)
- Intensive Medicine (MDM168)
- Frailty & Elderly Medicine (MDM169)
- Maternal Medicine (MDM189)

Or two clinical modules and one professional module:

- Research Methods & Critical Appraisal (MDM10)
- Leadership and Change Management in Clinical Services (MDM110)
- Communication, Learning and Teaching in Health and Social Care (MDM122)

PGDip students are required to undertake three or four Internal Medicine content modules:

- Autoimmunity (MDM166)
- Infectious Diseases & HIV Medicine (MDM167)
- Intensive Medicine (MDM168)
- Frailty & Elderly Medicine (MDM169)
- Maternal Medicine (MDM189)
And two or three professional content modules (6 modules total):

- Research Methods & Critical Appraisal (MDM10)
- Leadership and Change Management in Clinical Services (MDM110)
- Communication, Learning and Teaching in Health and Social Care (MDM122)

MSc students are required to undertake three or four Internal Medicine content modules and two or three professional content modules. In addition, students are required to undertake a 60-credit dissertation module, culminating in a 12,000 word dissertation with poster.

If students gain credits for the three professional modules (MDM10, MDM110 and MDM122) they can exit with a PGCert Clinical Professional Studies award.

**Postgraduate Certificate Internal Medicine (60 credits):**

<table>
<thead>
<tr>
<th>Module</th>
<th>Status</th>
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<tbody>
<tr>
<td><strong>Three out of five of the following Core Clinical Modules:</strong></td>
<td>Optional (20 credits)</td>
</tr>
<tr>
<td>MDM166 Auto-Immunity</td>
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<tr>
<td>PLUS/OR</td>
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<tr>
<td>MDM167 Infectious Diseases and HIV Medicine</td>
<td>Optional (20 credits)</td>
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<tr>
<td>PLUS/OR</td>
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<tr>
<td>MDM168 Intensive Medicine</td>
<td>Optional (20 credits)</td>
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<tr>
<td>PLUS/OR</td>
<td></td>
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<tr>
<td>MDM169 Frailty and Elderly Medicine</td>
<td>Optional (20 credits)</td>
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<tr>
<td>PLUS/OR</td>
<td></td>
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<tr>
<td>MDM189 Maternal Medicine</td>
<td>Optional (20 credits)</td>
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<tr>
<td>OR</td>
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</tr>
<tr>
<td><strong>Two Clinical Modules and either MDM10 Research Methods and Critical Appraisal,</strong></td>
<td>Optional (20 credits)</td>
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**Postgraduate Diploma Internal Medicine (120 credits):**

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<tr>
<th>Module</th>
<th>Status</th>
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<tbody>
<tr>
<td>Three or four of the following Core Clinical Modules:</td>
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<tr>
<td>MDM166 Auto-Immunity</td>
<td>Optional (20 credits)</td>
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<tr>
<td>PLUS/OR</td>
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<tr>
<td>MDM167 Infectious Diseases and HIV Medicine</td>
<td>Optional (20 credits)</td>
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<tr>
<td>PLUS/OR</td>
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<tr>
<td>MDM168 Intensive Medicine</td>
<td>Optional (20 credits)</td>
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<tr>
<td>PLUS/OR</td>
<td></td>
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<tr>
<td>MDM169 Frailty and Elderly Medicine</td>
<td>Optional (20 credits)</td>
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<tr>
<td>PLUS</td>
<td></td>
</tr>
<tr>
<td>MDM10 Research Methods &amp; Critical Appraisal</td>
<td>Compulsory (20 credits)</td>
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<tr>
<td>PLUS at least ONE of the following Core Professional Modules:</td>
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<tr>
<td>MDM110 Leadership and Change Management in Clinical Services</td>
<td>Optional (20 credits)</td>
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<tr>
<td>PLUS/OR</td>
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<tr>
<td>MDM122 Communication, Learning &amp; Teaching in Health &amp; Social Care</td>
<td>Optional (20 credits)</td>
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# Masters in Internal Medicine (180 credits)

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<tr>
<th>Module</th>
<th>Status</th>
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<tbody>
<tr>
<td>Three or four of the following Core Clinical Modules:</td>
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<tr>
<td>MDM166 Auto-Immunity</td>
<td>Optional (20 credits)</td>
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<tr>
<td><strong>PLUS/OR</strong></td>
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<tr>
<td>MDM167 Infectious Diseases and HIV Medicine</td>
<td>Optional (20 credits)</td>
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<tr>
<td><strong>PLUS/OR</strong></td>
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<tr>
<td>MDM168 Intensive Medicine</td>
<td>Optional (20 credits)</td>
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<tr>
<td><strong>PLUS/OR</strong></td>
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<tr>
<td>MDM169 Frailty and Elderly Medicine</td>
<td>Optional (20 credits)</td>
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<tr>
<td><strong>PLUS</strong></td>
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<tr>
<td>MDM10 Research Methods &amp; Critical Appraisal</td>
<td>Compulsory (20 credits)</td>
</tr>
<tr>
<td><strong>PLUS at least ONE of the following Core Professional Modules:</strong></td>
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<tr>
<td>MDM110 Leadership and Change Management in Clinical Services</td>
<td>Optional (20 credits)</td>
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<tr>
<td><strong>PLUS/OR</strong></td>
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<tr>
<td>MDM122 Communication, Learning &amp; Teaching in Health &amp; Social Care</td>
<td>Optional (20 credits)</td>
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<tr>
<td><strong>PLUS</strong></td>
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<tr>
<td>MDM164 Dissertation</td>
<td>Compulsory (20 credits)</td>
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### Module Descriptions

**Autoimmunity (MDM166)**
The module comprises aims to achieve an advanced level of understanding of auto-immunity at a molecular level and apply this systematically to a wide variety of diseases across several medical specialties. It will explore the rationale underpinning different therapeutic strategies, including the use of biologic agents. The module will develop students’ critical reasoning to a high level through case analysis incorporating both individual student presentation and group problem solving.

**Infectious Diseases and HIV (MDM167)**
This module aims to introduce students to Infectious Diseases and HIV Medicine, building on their previous learning and clinical experience. Pathology, diagnostic issues, and clinical practice, both in the West and resource-poor communities are included in the module.

**Intensive Medicine (MDM168)**
This module focuses on “Intensive Care Medicine”, exploring both the pathophysiology of common conditions which result in severe life-threatening illness, and the modern management of these problems. The module will pay specific attention to what is different about treating illness in an Intensive Care setting and, on the wards and focus on ethical aspects of treatment. Simulation of various scenarios will explore the team-working, leadership and technical and organisational skills needed to work in an Intensive Care environment.

**Frailty and Elderly Medicine (MDM169)**
This module aims to introduce students to the emerging concept of “Frailty”, to give them a thorough, contemporary understanding of how it is defined, measured and how it is used in research and clinical practice.
Maternal Medicine (MDM189)
The aim of the module is to attain a deep and systematic understanding of maternal medicine including the pathology, physiology, and practical applications of this specialised field and its interrelationship with all other specialties in Internal Medicine. The impact of pregnancy on the management of common medical problems will be evaluated whilst simultaneously considering the consequence to the mother and fetus. It will compare different diagnostic and therapeutic strategies used in pregnancy and the rationale that underpins them. The module will develop students' critical reasoning to a high level through case analysis incorporating both individual student presentations and group problem solving.

Research Methods and Critical Appraisal (MDM10)
The module aims to provide students with an understanding of how conduct and appraise research in their specialist areas. It aims to provide students with an understanding of research methods in health and social care and the ability to relate appropriate methods to research questions. Students will be equipped to search and critically review the literature, to develop and justify a research proposal, and to anticipate potential ethical issues in their research proposal. Attendance at the Obtaining Informed Consent Workshop is a mandatory part of the module.

Leadership and Change Management in Clinical Services (MDM110)
This module aims to provide an overarching understanding of the organisational context for change in health & care service settings to enable managers, practitioners and professionals to contribute more effectively to leading and improving the design of service models and new organisational bodies, and to the delivery, cost effectiveness and outcomes of services.

Communication, Learning and Teaching in Health and Social Care (MDM122)
This module aims to facilitate the development of practitioners as communicators and educators, promoting the development of knowledge, skills, attitudes and practices of a competent clinical practitioner.

MDM164 Dissertation
The Dissertation is an opportunity for students to research, in depth, a topic of their own choosing in Internal Medicine. The initial preparation for this begins in the Research Methods & Critical Appraisal module, where students will develop a research proposal. Students attend a Dissertation Day to help prepare them in the development of their Dissertation Proposal submission. This aims to assist them in clarifying their research question and matching methods; to identify any ethical issues to be addressed and any approvals which may be required; and to assist them in the completion of the application form. Additional workshops
are laid on regularly in specific aspects of research methods – e.g. interviewing, focus groups, data analysis, systematic reviews, obtaining informed consent, etc. – in order to provide practical skills training to equip students for the conduct of their research project.

**Timetable**

Dependent on your chosen courses please see the timetable below.

<table>
<thead>
<tr>
<th>Module</th>
<th>Dates</th>
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<tbody>
<tr>
<td>MDM166 (Clinical Module)</td>
<td>March 13&lt;sup&gt;th&lt;/sup&gt; – 17&lt;sup&gt;th&lt;/sup&gt; 2023</td>
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<tr>
<td>MDM167 (Clinical Module)</td>
<td>May 8&lt;sup&gt;th&lt;/sup&gt; - 12&lt;sup&gt;th&lt;/sup&gt; 2023</td>
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<tr>
<td>MDM168 (Clinical Module)</td>
<td>January 23&lt;sup&gt;rd&lt;/sup&gt; – 27&lt;sup&gt;th&lt;/sup&gt; 2023</td>
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<tr>
<td>MDM169 (Clinical Module)</td>
<td>October 10&lt;sup&gt;th&lt;/sup&gt; – 14&lt;sup&gt;th&lt;/sup&gt; 2022</td>
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<tr>
<td>MDM189 (Clinical Module)</td>
<td>November 21&lt;sup&gt;st&lt;/sup&gt; - 25&lt;sup&gt;th&lt;/sup&gt; 2022</td>
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<tr>
<td>MDM10 (Professional Module)</td>
<td>October 17&lt;sup&gt;th&lt;/sup&gt; – 21&lt;sup&gt;st&lt;/sup&gt; 2022 (Occ. A)</td>
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<td>November 21&lt;sup&gt;st&lt;/sup&gt; – 25&lt;sup&gt;th&lt;/sup&gt; 2022 (Occ. B)</td>
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<td>January 23&lt;sup&gt;rd&lt;/sup&gt; – 27&lt;sup&gt;th&lt;/sup&gt; 2023 (Occ. C)</td>
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<td>April 17&lt;sup&gt;th&lt;/sup&gt; – 21&lt;sup&gt;st&lt;/sup&gt; 2023 (Occ. D)</td>
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<tr>
<td>MDM110 (Professional Module)</td>
<td>November 3&lt;sup&gt;rd&lt;/sup&gt;, 4&lt;sup&gt;th&lt;/sup&gt; &amp; December 1&lt;sup&gt;st&lt;/sup&gt; – 2&lt;sup&gt;nd&lt;/sup&gt; 2022 (Occ. A)</td>
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<td>February 23&lt;sup&gt;rd&lt;/sup&gt; -24&lt;sup&gt;th&lt;/sup&gt; &amp; March 23&lt;sup&gt;rd&lt;/sup&gt; – 24&lt;sup&gt;th&lt;/sup&gt; 2023 (Occ. B)</td>
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<td>June 15&lt;sup&gt;th&lt;/sup&gt; - 16&lt;sup&gt;th&lt;/sup&gt; &amp; July 13&lt;sup&gt;th&lt;/sup&gt; - 14&lt;sup&gt;th&lt;/sup&gt; 2023 (Occ. C)</td>
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<tr>
<td>MDM122 (Professional Module)</td>
<td>October 10&lt;sup&gt;th&lt;/sup&gt; - 12&lt;sup&gt;th&lt;/sup&gt;, 31&lt;sup&gt;st&lt;/sup&gt; &amp; November 1&lt;sup&gt;st&lt;/sup&gt; 2022 (Occ. A)</td>
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<td>January 9&lt;sup&gt;th&lt;/sup&gt; - 11&lt;sup&gt;th&lt;/sup&gt; &amp; 30&lt;sup&gt;th&lt;/sup&gt; - 31&lt;sup&gt;st&lt;/sup&gt; 2023 (Occ. B)</td>
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<td>April 24&lt;sup&gt;th&lt;/sup&gt; - 26&lt;sup&gt;th&lt;/sup&gt; and May 15&lt;sup&gt;th&lt;/sup&gt; - 16&lt;sup&gt;th&lt;/sup&gt; 2023 (Occ. C)</td>
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Since Covid-19 teaching has become conducted via blended learning, MS Teams and face to face. Student contact hours remain the same as outlined in the module specification.

**A complete set of dates will become available once confirmed via BSMS’ Postgraduate website, for more information please contact your course administrator.**

The University reserves the right to cancel modules for any reason it deems sufficient and to alter programmes without notice. In the event of such cancellations, the full fee will normally be refunded.

If you have any queries about module dates or module choices, please do not hesitate to contact the Programme Administrator for further information.
Fees

For fee enquiries please contact fees@brighton.ac.uk or telephone: 01273 642449.

Teaching Staff

Academic staff from Brighton and Sussex Medical School and other faculties in the Universities of Brighton and Sussex are involved in the provision of teaching in a modular format, at Masters level. Specialist teaching is provided by consultants, specialists and other clinical staff from Trusts and organisations in and around the region. The extensive contribution of expert practitioners to the teaching of the modules is a distinctive feature of courses at Brighton and Sussex Medical School.

Teaching and Learning Methods

Teaching methods encompass lectures, whole group discussions, small group discussions, critical appraisal workshops, individual project work, simulations and individual tutorials.

Maintaining employment throughout the course ensures the transfer of knowledge and skills from the course into the workplace.

As with all Masters courses, there is a considerable degree of independent study. Classroom based learning will constitute approximately 20% of total learning hours with the remaining 80% hours made up of independent learning.

Assessment

MDM168 Intensive Medicine
A 3,000 word essay demonstrating (by reference to their clinical practice) how their knowledge gained in the module has contributed to their understanding of intensive medical care

MDM166 Auto-Immunity
A 1,500 case report with accompanying viva style case based discussion.

MDM167 Infectious Diseases and HIV Medicine
A 3,000 word essay with a choice of title that’s supported by reference to research evidence and up-to-date literature & a poster submission.
MDM169 Frailty and Elderly Medicine
A 3,000 word applied written assignment demonstrating application of evidence based frailty pathway to the students, area of clinical practice.

MDM189 Maternal Medicine
A 1,500 case report with accompanying viva style case based discussion.

MDM10 Research Methods & Critical Appraisal
A 3,000 word assignment

MDM110 Leadership and Change Management in Clinical Services
3,000 word critically reflective assignment on an aspect of Leading and Transforming services.

MDM122 Communication, Learning & Teaching in Health & Social Care
A 15-minute learning session which will be recorded and uploaded onto a web-sharing site. This recorded session then forms the basis of a 2,500 word critical analysis and reflection of this communication, teaching and learning session.

For the MDM164 Dissertation, the assessment is made up of two components: a 12,000 word dissertation (worth 80% of the total marks), and a research poster (worth 20% of the total marks).

How to Apply

Please apply online via the following link: http://www.bsms.ac.uk/postgraduate/apply-now

If you have any further questions please contact the Programme Administrator via the email address on the cover page.