

APPLICATION HANDBOOK

ANAESTHESIA & PERIOPERATIVE MEDICINE



PG Cert
PG Dip
MSc
Anaesthesia & Perioperative Medicine

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Introduction

The Anaesthesia and Perioperative Medicine course aims to provide advanced professional education for anaesthetists which extends beyond the CCT curriculum and FRCA exam. The goal is to train students taking the course to develop the skills to become high achieving consultants and clinical leaders of the future by providing a blend of clinical knowledge with learning in the three key professional domains of Research, Leadership and Communication & Learning, along with the development of research and publishing skills.

In particular, this course emphasises the developing nature of the profession by encompassing “perioperative medicine” within the title. This is reflected in the course content which aims to provide teaching in areas at the forefront of developments in healthcare practice and provision. It moves beyond the traditional hospital and theatre-based model of anaesthetic practice and introduces key advances in clinical care and the developing role of the Anaesthetist.

The Postgraduate Certificate, Postgraduate Diploma and Masters are all taught at Postgraduate (M) level and will be awarded on gaining 60, 120 and 180 credits respectively.

This course is jointly validated by the University of Brighton and University of Sussex.

Aims and Learning Outcomes for the Course

Aims

This course has been set up with the ultimate aim of improving the quality of care for NHS patients. This will be achieved in three ways. Firstly, detailed tuition in key areas of clinical patient care at a level beyond the anaesthetic training curriculum will be provided. The subjects covered in the Clinical modules will directly facilitate learning in key areas of patient management, many of which are at the cutting edge of patient care. This will afford students a greater understanding in these areas which will enhance their clinical practice and encourage them to develop further expertise.

Secondly, the course will allow students to develop their expertise in critical appraisal and evidence based practice. This will enable them to develop skills which will enhance their clinical practice in all areas. This will be of considerable benefit to students not just during their time in training but also throughout their future consultant careers. The principles of continuing professional development and evidence based medicine are enshrined within the core values of the NHS and the ability to use information from medical literature appropriately to enhance the quality of personal clinical practice is of great benefit to both doctors and patients.

Finally, the course will also provide students with a greater understanding of the structure and processes of the NHS and tuition in many of the professional domains that they will need to develop to act as leaders, educators and developers within the context of NHS work at the highest

levels. The course content has been carefully considered to reflect the needs of NHS trusts when recruiting consultant staff and also the wider priorities of the NHS in developing clinical leadership, service development and education. This is particularly evident in the generic professional modules but also applies to the clinical modules which feature the areas of service design and development within their content.

This course will enhance the knowledge and abilities of students in each of these areas to enable them to develop successful careers and ensure that they have the skills to provide high quality care, both directly and indirectly through roles in education, leadership and management.

Learning Outcomes

Graduates from this Master's level course will be able to demonstrate:

- An understanding of research methods and critical appraisal
- An understanding of the principles of assessment and optimisation, and the ability to apply these to clinical practice
- An understanding of the evidence base for the management of a range of emergency medical and surgical conditions
- An 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
- An advanced level of understanding of communication and teaching in relation to patients and colleagues of all levels
- The ability to analyse and synthesise data from a wide variety of sources to inform evidence-based practice in anaesthesia

On successful completion of this course students will be able to demonstrate the following skills:

- An ability to access and search different databases and sources of literature and data
- The analysis and synthesis of data
- The ability to use evidence appropriately to inform clinical practice
- Professional writing and presentation skills
- Advanced levels of communications in clinical and non-clinical settings
- Developing and submitting research proposals
- Negotiating research ethics and governance procedures
- The ability to relate clinical knowledge and judgment to organisational settings and priorities

Entry Requirements

Students should have a Medical degree plus a minimum of 2 years' UK National Health Service experience in Anaesthesia. Students are normally expected to be in clinical practice throughout the course.

Applications will be made direct to Postgraduate Medicine, BSMS. Applicants will be short listed and interviewed.

Students will be expected to be aware of the latest trends and developments in anaesthesia, e.g. through reading appropriate journals.

Claims for Recognition of Prior Learning (RPL) will be considered to a maximum of 50% of the total credits permitted .

There will be an Induction Day at Falmer on the 14th September 2016 for all successful applicants and new students are strongly encouraged to attend.

Structure of Course

There are three mandatory modules for PG Cert Anaesthesia and Perioperative Medicine. These are:

- Assessment and Optimisation (MDM123)
- High Risk Anaesthesia (MDM124)
- Research Methods and Critical Appraisal (MDM10)

There are six mandatory modules for PG Dip Anaesthesia and Perioperative Medicine. These are:

- Assessment and Optimisation (MDM123)
- High Risk Anaesthesia (MDM124)
- Emergency Care (MDM125)
- Research Methods and Critical Appraisal (MDM10)
- Communication, Learning and Teaching in Health and Social Care (MDM122)
- Leading and Transforming Services (MDM110)

MSc students also undertake a 16,000-word dissertation to obtain the remaining 60 credits of the 180 credits needed for the award. In addition, students will include a 3,000 word research paper, which may be a draft paper for submission in a named journal.

The course structure is shown below.

Postgraduate Certificate in Anaesthesia and Perioperative Medicine

Module	Status
MDM123 Assessment and Optimisation	Mandatory (20 credits)
PLUS	
MDM124 High Risk Anaesthesia	Mandatory (20 credits)
PLUS	
MDM10 Research Methods & Critical Appraisal	Mandatory (20 credits)

Postgraduate Diploma in Anaesthesia and Perioperative Medicine

Module	Status
MDM123 Assessment and Optimisation PLUS	Mandatory (20 credits)
MDM124 High Risk Anaesthesia PLUS	Mandatory (20 credits)
MDM125 Emergency Care PLUS	Mandatory (20 credits)
MDM10 Research Methods & Critical Appraisal PLUS	Mandatory (20 credits)
MDM122 Communication, Learning and Teaching in Health and Social Care PLUS	Mandatory (20 credits)
MDM110 Leading and Transforming Services	Mandatory (20 credits)

MSc Anaesthesia and Perioperative Medicine

Module	Status
Postgraduate Diploma modules PLUS	Mandatory (120 credits)
MDM96 Dissertation (16,000 words)	Mandatory (60 credits)

Year 1

A high level of critical analysis of original research is required throughout the course of study, therefore the 'Research Methods & Critical Appraisal' module, will be taken at the beginning of the

academic year. This is followed by two clinical modules – ‘Assessment and Optimisation’, which is scheduled for January and ‘High Risk Anaesthesia’ which runs in March.

Year 2

Year 2 begins in late September with the third clinical module ‘Emergency Care’ and will be followed by the professional modules ‘Communication, Learning and Teaching in Health and Social Care’ and ‘Leading and Transforming Services’.

Each module runs over one week of five consecutive days. There is no distance learning.

Module Descriptions

Assessment and Optimisation

This module aims to advance the student’s theoretical knowledge of perioperative risk assessment and patient optimisation by promoting critical appraisal, understanding and application of the current evidence in relation to risk stratification and risk reduction in the perioperative pathway.

High Risk Anaesthesia

This module directs you towards a deeper understanding of the multidisciplinary management of patients at high risk of morbidity and mortality in the perioperative period. Specifically, this module aims to stimulate you to seek out evidence-based practice, and to encourage you to continuously audit and improve your own and your institutional practice with regard to these patients, in order to improve the quality of care administered and the patients’ experience of care.

Emergency Care

This module aims to advance your knowledge of clinical anaesthetic care for the treatment of emergency medical and surgical conditions in a range of settings inside and outside of the hospital environment and enable you to understand how outcomes and quality are measured.

The module also promotes understanding of the organisation of services such as trauma networks and pre-hospital emergency services and provides tuition in areas such as team working and human factors which are relevant to this area.

Research Methods and Critical Appraisal

The module aims to provide students with an understanding of how to use evidence in their specialist area. 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.

Communication, Learning and Teaching in Health and Social Care

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.

Leading and Transforming Services

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.

The Dissertation

The Dissertation is for students studying for the MSc award. Students are able to choose a Dissertation that is relevant to their professional interests and practice with a focus on issues relating to Anaesthesia and Perioperative Medicine.

Timetable

A complete list of year one dates is included below.

Please contact the Programme Administrator if further information is required.

Fees

For fee information please see the website: <https://www.bsms.ac.uk/postgraduate/taught-degrees/anaesthesia-and-perioperative-medicine.aspx>

In case of queries please contact: fees@brighton.ac.uk or visit the following link:

<http://www.brighton.ac.uk/studentlife/money/>

Teaching Staff

Academic staff from the Brighton and Sussex Medical School and Brighton and Sussex University Hospitals are involved in the provision of teaching in a modular format at Masters (M) 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 BSMS.

Teaching and Learning Methods

As with all Master's courses, there is a considerable degree of independent study. Teaching methods encompass lectures, whole group discussions, small group discussions, critical appraisal workshops and individual tutorials. Maintaining employment throughout the course ensures the transfer of knowledge and skills from the course into the workplace.

Assessment

Modules are usually assessed by 3,000 word written assignments which are centred on case studies or a relevant topic chosen by the student and agreed with the module leader.

Teaching Sites

The three professional modules are taught at the University of Brighton Falmer campus:

<http://www.brighton.ac.uk/maps/falmer/index.php?PageId=756>

The three clinical modules are primarily taught at the Euan Keat Centre, Princess Royal Hospital, Haywards Heath:

<http://www.bsuh.nhs.uk/work-and-learn/medical-education/medical-education-centre/>

How to Apply

Please apply online via the following link:

<https://www.bsms.ac.uk/postgraduate/taught-degrees/anaesthesia-and-perioperative-medicine.aspx>

And Finally.....

If you have any further questions please contact the Programme Administrator at the email address given on the cover page of this handbook.

Year 1 PGCert/PGDip/MSc Anaesthesia and Perioperative Medicine: 2016-17 dates

Year	Month	Induction Day	MDM10 Research Methods and Critical Appraisal (Choice of 2 dates)		MDM123 Assessment and Optimisation	MDM124 High Risk Anaesthesia	Semester
2016	Sep	14 September					SEM 1
	Oct		1	3-7 October			
	Nov		2	21-25 November			
	Dec						
2017	Jan				9-13 January		SEM 2
	Feb						
	Mar						
	Apr					27-31 March	
	May						
	Jun						
Total attendance days		1		5	5	5	

Please Note:

Teaching for MDM10 is at the University of Brighton, Falmer campus.

Teaching for MDM123 and MDM124 is at the Postgraduate Centre, Princess Royal Hospital, Haywards Heath