



## Programme Specification (PG)

Awarding body / institution:	Queen Mary University of London
Teaching institution:	Queen Mary University of London
Name of final award and title:	PGCert in Neuromodulation and Pain Management
Name of interim award(s):	n/a
Duration of study / period of registration:	Part-time, 1 academic year
Queen Mary programme code(s):	PCPP-DLWHRI1- PSNML (A1NM)
QAA Benchmark Group:	100271 medicine 100270 medical sciences
FHEQ Level of Award:	Level 7
Programme accredited by:	
Date Programme Specification approved:	4 May 2022
Responsible School / Institute:	William Harvey Research Institute

Schools / Institutes which will also be involved in teaching part of the programme:

Collaborative institution(s) / organisation(s) involved in delivering the programme:

### Programme outline

The Postgraduate Certificate in Neuromodulation and Pain Management will give you the academic background and specialist skills needed to deepen your knowledge in this field. You will focus on anatomy, pathology and pathophysiology of the central and peripheral pain pathways.

The modular nature of the programme is designed to fit around the needs of students in full-time employment. Modules will be taught online in three-day blocks approximately every four to six weeks.

### Aims of the programme

The aim of the course is to provide participants with a multi disciplinary perspective to facilitate the skills of post graduate students. It is intended that the course will provide a valuable opportunity for both British and overseas students who wish to gain more experience in understanding the neuromodulation and pain management process and obtain a higher degree.

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### What will you be expected to achieve?

When completing the PGCert in Neuromodulation and Pain Management students will be expected to achieve the following learning outcomes:

Academic Content:	
A 1	Demonstrate a deep and systematic understanding of the neural anatomy of spinal pathways, pain transmission, transduction and modulation
A 2	Expand the knowledge and understand the basic parameters of waveform and modes of stimulation
A 3	Critically evaluate and identify evidence-based indications for neuromodulation, identifying medical, surgical and psychological contraindications
A 4	Appreciate the role and demonstrate understanding of the procedural skills needed for safe neuromodulation including perioperative and long term follow up and management

Disciplinary Skills - able to:	
B 1	Demonstrate understanding and comprehend the anatomical variabilities and pain pathophysiology that may impact individual neuromodulation therapy targets
B 2	Appreciate the need for identifying the rationale and clinical application of a particular parameter of waveform so as to provide optimum programming solution to the patient
B 3	Display the ability to incorporate radiographic imaging results in decision making and complication management and differentiate MRI compatibility between different devices and modalities
B 4	Show the initiative to tailor therapy to individual patients through evidence based assessments and patient selection

Attributes:	
C 1	Adapt the learning to existing knowledge while assimilating the newer concepts of neuromodulation
C 2	Demonstrate implementation of the acquired information and relate to varied needs and clinical situations
C 3	Acquire and apply knowledge in a rigorous way so as to adapt the understanding to new and unfamiliar settings

C4	Acquire the knowledge needed to deliver evidence based decision through critical thinking
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### How will you learn?

Modules are taken sequentially; The taught element of the modules is delivered in three-day blocks every four to six weeks (approximately), following which students undertake self-guided learning to prepare and submit the assessment. Module leads remain available during this time.

Studying through the distance learning course would provide an attractive option for those with financial constraints, commitments to work or family, or lack of local access to higher education. Lectures are recorded through via Teams, and uploaded along with lecture slides and relevant materials to QMPlus.

Moreover, students are also involved in using new technologies (eg QMplus, Teams, Collaborate) which allow students to discuss and exchange ideas, share knowledge as well as to review the lecture sessions in their own time and at their own pace. The programme aim is to create an environment in which all participants have the opportunity to learn and explore issues and ideas in depth, from a variety of viewpoints.

### How will you be assessed?

Students will be assessed based on online submitted written assignments. The course team evaluates the progression of students on their written assignments, maintaining the highest quality of work as well as achieving the course learning objectives.

In addition, tutorial sessions will be delivered for each module, in order to discuss assignments prior to the final submission dates, and provide an opportunity for students to demonstrate their learning as well as to receive feedback from our academic team.

### How is the programme structured?

Please specify the structure of the programme diets for all variants of the programme (e.g. full-time, part-time - if applicable). The description should be sufficiently detailed to fully define the structure of the diet.

To obtain a PG Cert 4 x 15 credit modules have to be completed (60 credits).The modular nature of the courses is designed to fit in with the needs of those students who are in full time employment. The taught element of the modules is delivered in three-day blocks every four to six weeks (approximately).

Modules:

Anatomy- Neurophysiology of Neuromodulation

Patient care and Procedurals skills

Will be delivered in Semester 1 while the following two modules:

Devices and available technology

Intrathecal drug delivery for cancer and non cancer pain

Will be delivered in semester 2.

Academic Year of Study PT - Year 1

Module Title	Module Code	Credits	Level	Module Selection Status	Academic Year of Study	Semester
Anatomy and Neurophysiology of Neuromodulation	WHR7751	15	7	Compulsory	1	Semester 1
Patient Care and Procedurals Skills	WHR7752	15	7	Compulsory	1	Semester 1
Devices and Available Technology	WHR7753	15	7	Compulsory	1	Semester 2
Intrathecal therapy for cancer and non cancer pain	WHY7754	15	7	Compulsory	1	Semester 2

### What are the entry requirements?

A 2:2 or above at undergraduate level in a related subject such as Medicine, Nursing, Physiotherapy from a recognised academic institution.

Applicants who do not meet the academic requirements but have substantial experience working as allied health professionals such as Paramedics, Physiotherapists, Osteopaths etc will be considered on an individual basis only

Entry level guidelines for English Language: an IELTS score of  $\geq 6.5$

### How will the quality of the programme be managed and enhanced? How do we listen to and act on your feedback?

Students on our course are never seen as "silent partners" in the enterprise of improving teaching. One way their voices can be heard is through completion of feedback forms for each module. The feedback forms gain the students views on the clarity, style of presentation, course material, stimulation and an overall rating of the lectures (please see example of a feedback form below). Student feedback is discussed with the lecturer and is encouraged to make necessary changes following student suggestions. All students are in a regular contact with members of the course team. Pastoral as well as academic support is offered on a regular basis. Students are encouraged to contact course team members via email or by phone. All distance learning students complete online feedback forms. Assessment of effectiveness of student support mechanisms is evaluated with the following means:

- Continuous feedback to the students. Student feedback is an extremely important mechanism to facilitate the students learning experience. Feedback is offered on drafts of coursework and academic progress following assessment.
- Staff-student liaison. Students are encouraged to keep in regular contact with the course team members to convey their experience and comments and to seek any advice or help they may need.
- Assessment of action on student feedback.

Continuous student feedback throughout the year is an essential tool with a view to maintain as well as to improve the quality and student experience of the course.

### What academic support is available?

In addition to Staff-student liaison, all students are allocated a personal tutor who can be contacted during office hours. The role of the personal tutor is to advise the student on any issues relating to the academic aspects of the course that the student may wish to raise. A senior tutor is also available for consultation if their own tutors are not available or if for any reason unsuitable. Also Institute level Committee will be created responsible for ongoing management of the Programmes.

### Programme-specific rules and facts

n/a

### How inclusive is the programme for all students, including those with disabilities?

The learning objectives will be provided for for each module.  
The Institute has ensured that fully accessible resources are available via the virtual learning environment.  
All the lectures/seminars are captioned and recorded, the recording/transcripts will be made available via virtual learning environment.  
Students will have the opportunity to revisit module recordings/ transcripts , slides at any time during their studies with us.  
All modules will have its own online reading lists which will detail accessible, e-versions of all relevant readings.

At Institution level, Queen Mary has a central Disability and Dyslexia Service (DDS) that offers support for all students with disabilities, specific learning difficulties and mental health issues. The DDS supports all Queen Mary students: full-time, part-time, undergraduate, postgraduate, UK and international at all campuses and all sites.  
Students can access advice, guidance and support in the following areas:

- Finding out if you have a specific learning difficulty like dyslexia
- Applying for funding through the Disabled Students' Allowance (DSA)
- Arranging DSA assessments of need
- Specialist one-to-one "study skills" tuition
- Ensuring access to course materials in alternative formats (e.g. Braille)
- Providing educational support workers (e.g. note-takers, readers, library assistants)

Mentoring support for students with mental health issues and conditions on the autistic spectrum.

Library facilities. All students registered on the course will have access to the college on-line library facilities. This gives access to a large number of relevant journals.

### Links with employers, placement opportunities and transferable skills

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## Programme Specification Approval

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Person completing Programme Specification:

Dr Nina Ravic

Programme Title: PGCert in Neuromodulation and Pain management

**Person responsible for management of programme:**

Dr Nina Ravic/Dr Kavita Poply

**Date Programme Specification produced / amended by School / Institute Education Committee:**

19/05/2023 (for 23/24)

**Date Programme Specification approved by Taught Programmes Board:**

4 May 2022