

**PROGRAMME APPROVAL FORM
SECTION 1 – THE PROGRAMME SPECIFICATION**

1. Programme title and designation		MSc in Clinical Neuroscience		
2. Final award				
Award	Title	Credit value	ECTS equivalent	Any special criteria
MSc	Clinical Neuroscience	180	90	N/A
3. Nested award				
Award	Title	Credit value	ECTS equivalent	Any special criteria
N/A	N/A	N/A	N/A	N/A
4. Exit award				
Award	Title	Credit value	ECTS equivalent	Any special criteria
PGCert	IoPPN (Clinical Neuroscience)	60	30	N/A
PG Dip	IoPPN (Clinical Neuroscience)	120	60	N/A
5. Level in the qualifications framework		M		
6. Attendance				
		Full-time	Part-time	Distance learning
Mode of attendance		X		N/A
Minimum length of programme		One year	Two years	-
Maximum length of programme		Three years	Six years	-
7. Awarding institution/body		King's College London, University of London		
8. Teaching institution		Institute of Psychiatry, King's College London		
9. Proposing department		Clinical Neuroscience		
10. Programme organiser and contact Details		De Gerald Finnerty Department of Basic and Clinical Neuroscience (Box 44), Institute of Psychiatry, Psychology and Neuroscience, De Crespigny Park London SE5 8AF Tel: 020 7848 0274 Fax: 020 7848 0689 Email: Gerald.finnerty@kcl.ac.uk		

PAF initially approved: 4 April 2008

Modified: September 2009

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11. UCAS code (if appropriate)	N/A
12. Relevant QAA subject benchmark/ professional and statutory body guidelines	Healthcare Programmes Phase 2, Clinical Science, QAA 062 09/04 Benchmark
13. Date of production of specification	September 2006, amended February 2007 for credit framework
14. Date of programme review	2019/20

15. Educational aims of the programme

The programme aims to allow clinical trainees in neurology and related disciplines to study their speciality in greater depth, and specifically to provide in-depth knowledge and skills to:

- Develop a detailed understanding of the anatomical, physiological and pathological basis of symptoms and signs of neurological disorders
- Systematically integrate advances in genetics, molecular neuroscience, electrophysiology and neuroimaging into clinical practice
- Work independently within a multidisciplinary environment
- Work at an advanced level to develop and sustain evidence-based practice
- Appraise and conduct clinical research and audit
- Critically evaluate their own and others' research

This will give society a resource of neurologists with a deep and detailed understanding of clinical neurology, founded on underlying scientific principles. Graduates enter their own sub-speciality within neurological disciplines able to work independently, and become life-long learners with an appreciation of the research, the ability to critically appraise evidence, and an intrinsic understanding of the science base on which their speciality is based.

16. Educational objectives of the programme/programme outcomes

The programme provides opportunities for students to develop and demonstrate knowledge and understanding and skills in the following areas:

Knowledge and understanding

The programme provides a **knowledge and understanding** of the following:

1. Anatomy, physiology and pathology of neurological disease
2. Neurogenetics, molecular neuroscience, neurophysiology and neuroimaging in clinical practice
3. How to evaluate the evidence for or against a particular therapy or intervention
4. The basis of clinical research methodology and research governance
5. Audit methodology

These are achieved through the following **teaching/learning methods and strategies**:

Acquisition of 1 to 5 is through lectures, tutorials and course work, including problem-based learning.

Assessment:

Testing of the knowledge base is through assessment by a final MSc thesis and supervisor assessments, course work, and a written examination at the end of each module.

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Skills and other attributes

<p>Intellectual skills:</p> <ol style="list-style-type: none">1. Understand the scientific principles of clinical neuroscience2. Identify multiple ways to solve a clinical problem3. Critically assess evidence for or against interventions and treatments4. Analyse and interpret5. Evaluation of ethical issues6. Understanding of the psychological processes involved in dealing with incurable disease	<p>These are achieved through the following teaching/learning methods and strategies:</p> <p>Intellectual skills are developed through the teaching and learning program outlined above. Sessions involve discussion of key issues, practice in problem solving and practice in the assessment of available evidence. Course essays and written exams will reinforce these skills.</p> <p>Assessment: The written examinations, course work, clinical/research presentation and final MSc thesis require the student to demonstrate skills 1 to 6.</p>
<p>Practical skills:</p> <ol style="list-style-type: none">1. Identify, retrieve and select information from a variety of sources2. Respond appropriately to a clinical neurological problem by using knowledge of the scientific basis of the problem, thus ordering or interpreting appropriate investigations and treatments3. Evaluate the evidence base for a proposed intervention4. Carry out audit5. Carry out a research project including designing the study, applying for ethical approval, applying for funding for the research project, analysing the results and publishing.	<p>These are achieved through the following teaching/learning methods and strategies:</p> <p>All students are taught how to identify, locate and use materials available online and elsewhere. Classes are given on the scientific basis of neurological disease, basic statistics and the critical analysis of published papers.</p> <p>Assessment: Skills 1 to 5 are assessed through the written examinations, course work and final dissertation.</p>
<p>Generic/transferable skills:</p> <ol style="list-style-type: none">1. Understand the scientific basis of neurological disease2. Understand how to find and interpret the evidence for a particular treatment strategy3. Structure and communicate clinical issues effectively, orally and in writing4. Work independently5. Find information and use information technology	<p>These are achieved through the following teaching/learning methods and strategies:</p> <p>Skills 1 to 7 are developed during the course.</p> <p>Assessment: Skills 1 to 3 are assessed by the written examinations, course work, clinical/research presentation and dissertation. Skills 4 and 5 are not formally</p>

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6. Assess the relevance of proposed treatments and interventions
7. Design and carry out a research project

assessed. Skills 6 and 7 are assessed in the written examinations.

17. Statement of how the programme has been informed by the relevant subject benchmark statement(s)/professional, statutory and regulatory body guidelines

The Healthcare Programmes Phase 2, Clinical Science QAA 062 09/04 Benchmark Statement was used as a reference point in producing this document. This course is aimed at medical graduates pursuing a career or with an interest in clinical neurosciences, and at psychologists. It therefore provides more weight to the key elements of:

Understanding the scientific basis of healthcare;
An evidence based approach to clinical practice;
Conducting and directing research and development;
Participating in clinical audit.

In addition, it is expected that those who successfully complete the course will be well equipped to fulfil the key elements of:

Teaching scientists, scientific support workers and other health professionals;
Advising and training clinical colleagues;
Pursuing lifelong continuing medical education.

18. In cases of joint honours programmes please provide a rationale for the particular subject combination, either educational or academic

N/A

Which is the lead department and/or School?

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19. Programme structure

Please complete the following table and, if appropriate, to include joint, major/minor or other variations

Code = code of each module available for the programme

Title = title of each module available for the programme, plus its credit level and credit value

Status = please indicate whether the module is introductory (I), core (Cr), compulsory (Cp), one or more of however many modules must be passed to progress (CrCp), (P) professional (i.e. module testing skills/competency that has no credit level or value but is a professional body requirement) or optional (O) for each type of programme. For postgraduate programmes use the "single honours" column

Pre-requisite/Co-requisite = where appropriate please indicate whether the module is pre-requisite to another module or co-requisite by noting pre or co and the module code that it is pre/co-requisite to.

Assessment = please indicate in broad terms the assessment for the module eg written examinations, coursework

(Note: the availability of optional modules may vary slightly from year to year; the following are the modules available at the commencement of the programme)

Code	Title	Credit Level	Credit Value	Status (I, Cr, Cp, CrCp, P, O) for each type of module			Pre-requisite/ Co-requisite (Please note the module code)			Assessment
				Single	Joint	Major/Minor	Single	Joint	Major/Minor	
Full-time Study										
First Year										
7PAPNMND	The Anatomical Basis of Neurological Disease	7	30	Cp			None			Coursework Written examination
7PAPNNCP	Neurology in Clinical Practice	7	30	Cp			None			Coursework Written examination
7PAPNCMN	The Cellular and Molecular Neuroscience	7	30	Cp			None			Coursework Written examination
7PAPNRMN	Research Methods in Clinical Neuroscience	7	30	Cp			None			Coursework Written examination
7PAPNDIS	Dissertation – Clinical Neuroscience	7	60	Cr			None			Coursework

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If a Masters programme, are level 6 credit levels permitted within the programme? No
Maximum number of credits permitted with a condoned fail (core modules excluded): 30 credits
Are students permitted to take any additional credits, as per regulation A3? No
Are students permitted to take a substitute module, as per regulation A3? No
Are there any exceptions to the regulations regarding credits, progression or award requirements? (where relevant the information should also differentiate the particular requirements of pathways within a programme or nested/exit awards) No
Other relevant information to explain the programme structure <i>Please note that <u>new</u> students enrolling on the information provided on this section of the PAF will have these regulations stipulated throughout their programme of study. The only exception to this will be if there are changes made by Professional, Regulatory or Statutory Bodies that are noted to this programme.</i> N/A

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20. Marking criteria

All modules will be marked in accordance with the Institute's marking criteria where such exists, or else in accordance with the College's generic marking criteria.

21. Particular features of the programme which help to reduce the barriers experienced by disabled students and ensure that the programme is accessible to all students who meet the entry requirements

Programme materials will be made available from the programme e-learning site. The programme will be delivered on the Institute of Psychiatry campus of King's College London, and at the Weston Education Centre of King's College London School of Medicine. These buildings are purpose-built for teaching and have lift access to all floors. Facilities available include lecture theatres, microphones, projectors, computers and standard student facilities such as refreshment and bathroom facilities.

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