

MSc/Diploma Clinical Aspects of Cognition

For students entering in 2005

Awarding Institution: The University of Reading
Teaching Institution: The University of Reading
Faculty of Life Sciences
Date of specification: 1 Aug 2005
Programme Director: Prof Smith
Board of Studies: R McCloy, G Schafer, P Cooper, E Gaffan, P Smith, C Williams
Programme length: 12 months (24 part-time)

Summary of programme aims

The purpose of the course is to prepare graduates in Psychology and allied disciplines for academic, clinical, educational, health, and research careers where knowledge of the impact of pathology to the human cognitive system is required or desirable. The course introduces students to topics of relevance to the impact of clinical conditions on the human brain, and in particular the effects on the cognitive system. The implications of these effects for the understanding and care of clinical patients are discussed. Topics are covered in more depth, and with greater emphasis on current research, than is typically possible in the course of an undergraduate degree in psychology. Students are exposed to a variety of teaching methods, culminating in the completion of a piece of original research. It is intended that graduates of the course will go on to work in fields which require and understanding of the ways in which degeneration or insult can affect cognitive functioning in human adults.

Transferable skills

By the end of the course, students will have developed the following transferable skills:

- Ability to use computers for statistics, data analysis, and communication.
- Ability to use database/library resources.
- Writing skills: writing of papers, abstraction of others' work from written and oral material, reviewing of work of peers.
- Ability to make oral presentations.

Programme content

| <i>Compulsory Modules</i> | | <i>Credits</i> | <i>Level</i> |
|---------------------------|---|----------------|--------------|
| PYM0RM | <i>Research Methods and Transferable Skills for Psychology</i> | 30 | M |
| PYM0TI | <i>Theoretical Issues for Psychologists</i> | 10 | M |
| PYM0S1 | <i>Data Collection & Analysis 1</i> | 10 | M |
| PYM0S2 | <i>Data Collection & Analysis 2</i> | 10 | M |
| PYM0QQ | <i>Qualitative, Survey, and Psychometric Methods</i> | 10 | M |
| PYM0CC | <i>Methods in Cognitive Psychology</i> | 10 | M |
| PYM2CM | <i>Cognitive Neuropsychology of Memory</i> | 10 | M |
| PYM2PA | <i>Psychology of Ageing</i> | 10 | M |
| PYM0EP | <i>Empirical Project (MSc only. Must be undertaken in a relevant field)</i> | 60 | M |

/contd.

Optional Modules

Modules totalling 20 credits may be selected from a list such as the following:

| | | <i>Credits</i> | <i>Level</i> |
|--------|--|----------------|--------------|
| PYM0RD | <i>Research Design and Data Management</i> | 10 | M |
| PYM0CP | <i>Methods in Clinical Psychology</i> | 10 | M |
| PYM0DP | <i>Methods in Developmental Psychology</i> | 10 | M |
| PYM0SP | <i>Methods in the Study of Perception</i> | 10 | M |
| PYM1C1 | <i>Cognitive Development</i> | 10 | M |
| PYM1C2 | <i>Developmental Aspects of Cognition</i> | 10 | M |
| PYM3P1 | <i>Development of Psychopathology 1</i> | 10 | M |
| PYM3P2 | <i>Development of Psychopathology 2</i> | 10 | M |

Part-time/Modular arrangements

The course may be undertaken over two years on a part-time basis. Selection of modules between the two years will be agreed between the student and the Board of Studies, at the commencement of the course. It is anticipated that students will normally complete 70 or more credits' worth of modules in Year 1. Modules be assessed in the year that they are studied. The Empirical Project (PYM0EP) must be undertaken in Year 2.

Progression requirements

Acceptance onto any module is conditional on the student having attempted all assessments set in previous modules. The Empirical Project will normally be the last piece of work to be submitted for assessment (by Dissertation).

Summary of teaching and assessment

Teaching is by a variety of methods, including lectures, small group seminars, web-based work-throughs, self-paced workshops, individual feedback on written work, and one-on-one supervision. Assessment mirrors this diversity of methods, with methods including written assignments and other coursework, portfolio, unseen essay- and multiple-choice-based examinations, open-book test, submission of practical reports, oral presentations, and submission of project dissertation.

The University's taught postgraduate marks classification is as follows:

| <u>Mark</u> | <u>Interpretation</u> |
|----------------------------|-------------------------------|
| 70 – 100% | Distinction |
| 60 – 69% | Merit |
| 50 – 59% | Good standard (Pass) |
| <u>Failing categories:</u> | |
| 40 – 49% | Work below threshold standard |
| 0 – 39% | Unsatisfactory Work |

For Masters Degrees

To pass the MSc students must gain an average mark of 50 or more overall including a mark of 50 or more for the dissertation (PYM0EP) and have a mark of 40 or better in both module PYM2CM and module PYM2PA. In addition the total credit value of all modules marked below 40 must not exceed 30 credits and for all modules marked below 50 must be less than 60 credits.*

For PG Diplomas

To pass the Postgraduate Diploma students must gain an average mark of 50 or more in modules totalling 120 credits and have a mark of 40 or better in both PYM2CM and module PYM2PA. In addition the total credit value of all modules marked below 40 must not exceed 30 credits and for all modules marked below 50 must be less than 60 credits.*

***NOTE** The provision to permit a candidate to be passed overall with a profile containing marks below 40 is made subject to the condition that there is evidence that the candidate applied his or herself to the work of those modules with reasonable diligence and has not been absent from the examination without reasonable cause.

Admission requirements

Entrants to this programme are normally required to have obtained an Honours degree in psychology or related discipline (e.g., cognitive science, linguistics, philosophy). Applicants should have gained, or expect to gain, a class mark of 2(1) or better (i.e., 60%+ [or international equivalent, e.g. B+ US letter grade]). Applicants holding 2(2) degrees may apply and each case will be considered on its own merits. Applicants whose academic qualifications do not meet these formal standards may in the first instance be admitted to the Diploma course; they may then transfer to MSc status subject to satisfactory performance in their first two terms. We discourage applications from holders of Third Class degrees. The Admissions Tutor for this course is Dr. Schafer.

Support for students and their learning

University support for students and their learning falls into two categories. (1) Learning support includes IT Services, which has several hundred computers and the University Library, which across its three sites holds over a million volumes, subscribes to around 4,000 current periodicals, has a range of electronic sources of information and houses the Student Access to Independent Learning (S@IL) computer-based teaching and learning facilities. There are language laboratory facilities both for those students studying on a language degree and for those taking modules offered by the Institution-wide Language Programme. (2) Student guidance and welfare support is provided by Programme Directors, the Careers Advisory Service, the University's Special Needs Advisor, Study Advisors, Hall Wardens and the Students' Union.

Support for graduate students in the Department of Psychology is similarly aimed at both learning and pastoral support. Learning support includes use of workrooms dedicated to MSc students with networked PCs and printer, access to the departmental library, a specially selected and maintained reprint collection, provision of photocopying cards, and ready access to members of staff who are all respected scholars in the fields taught. Pastoral support augments the University's care systems, with each student being allocated a Personal Tutor from the Board of Studies.

New students undergo an induction programme in the week before they start the course. A comprehensive handbook is available for the course; this is available on-line, as are a wealth of other resources via the department's intranet. Teaching is usually in small groups with much opportunity for students to discuss matters and support one another. There is an active Student-Staff Committee with postgraduate representation.

Career prospects

Graduates will have good prospects in careers which involve the understanding of the effects of pathology on the human cognitive system, in a variety of academic, clinical, educational, health, and research fields. It is anticipated that approximately half of graduates will go into careers involving research (interpreted broadly). The remainder will be able to use skills and insights gained on the course in areas as diverse as health care, health policy, education, and counselling.

Opportunities for study abroad or for placements

None at present

Educational aims of the programme

Students are required to operate at a more advanced level than in an Honours degree, with emphasis on the psychological issues which arise with particular prominence in this field of enquiry.

Programme Outcomes

Knowledge and Understanding

| A. Knowledge and understanding of: | Teaching/learning methods and strategies |
|--|--|
| <ol style="list-style-type: none">1. Advanced concepts, theories, and evidence in the core domains of: research methods, theoretical issues for psychologists, cognitive changes in human adults.2. A broad variety of methods and approaches in the psychological understanding of cognition and memory in adults.3. Applications of psychological and neuropsychological understanding of the human cognitive system, and how it is affected by pathology .4. Particular difficulties inherent in the psychological study of, and care of, adults with dementia.5. Ethical issues in the psychological study of clinical aspects of human cognition. | <p>1-5 are covered in lectures and seminars. 2, 4 and 5 are further supported by practical experience, most notably in the completion of an empirical project.</p> <p>1 and 2 are supported by the requirement to attend a number of departmental seminars given by visiting speakers, who are generally leaders in their field.</p> <p><i>Assessment</i></p> <p>1-4 by coursework essays and unseen examinations.</p> <p>1, 3, 4, and 5 are assessed directly in the empirical project, and 2 is assessed indirectly (through the rationale for the methods actually deployed by the student).</p> <p>Students with a particular interest in practical issues can offer an optional assessment (in PY0RD) of a 'hands-on' nature.</p> |

Skills and other attributes

B. Intellectual skills – able to:

1. Use advanced (graduate level) evidence-based reasoning to argue or evaluate a claim about clinical aspects of cognitive psychology.
2. Apply multiple perspectives and levels of explanation to understand behaviour and cognition in human adults, especially those whose brains are diseased or who have suffered insight.
3. Critically evaluate the design and conduct of psychological research into the adult cognitive system and disruptions to it.
4. Write well-structured and well-argued essays.
5. Abstract complex orally presented material, at a level beyond the capabilities of most undergraduates.
6. Understand the theoretical framework(s) in which psychological research is conducted.

Teaching/learning methods and strategies

1-3, and 6, are explicated in seminars. 6 is supported by self-paced study using web-based teaching. Coursework essays give opportunity for formative feedback. Feedback to students on coursework in 'Methods' modules (one of which is compulsory) assists students in the deployment of their intellectual understanding to practical research related issues, supporting 1-4, and particularly 3.

Assessment

1-4 and 6 are assessed in coursework essays, and, in the case of 'Methods' modules (one of which is compulsory) other assignments (e.g., critical evaluation, methods literature search, and project planning). and seen and unseen examinations. 5 is assessed by students handing in a number of abstracts of departmental seminars. 6 is assessed by portfolio and theoretical issues essay.

C. Practical skills – able to:

1. Perform advanced searches for information relevant to specific topics.
2. Choose and apply appropriate data analytic techniques.
3. Plan and carry out, with supervision, graduate level psychological research relevant to the understanding of clinical problems in the human cognitive system.
4. Write up empirical research relevant to the understanding of clinical problems in the human cognitive system.
5. Make an application for ethical approval.

Teaching/learning methods and strategies

Dedicated seminars, practical classes, and exercises deliver 1 and 2. A dedicated library and resources session supports 1. 3 and 4 are initially explicated as part of the compulsory module PYM0CC Methods in Cognitive Psychology; they are then consolidated by direct supervision of a research project and associated dissertation. Support for 5 is delivered by special seminar.

Assessment

1 and 2 are assessed by the requirement to undertake a project planning assignment. 1-5 are assessed in the main by the student undertaking an empirical research project relevant to the understanding of the human cognitive system, then writing this up as a dissertation.

D. Transferable skills – able to:

1. Communicate concisely or at length in writing.
2. Give oral presentations.
3. Work with a group.
4. Plan and implement a project.
5. Solve practical problems.
6. Use IT to write, to present information visually, to manage and analyse numeric data, to communicate, and to find information.
7. Manage time.
8. Condense complex orally delivered information.

Teaching/learning methods and strategies

Transferable skills are integrated in subject-based teaching. 1 is learned, with formative feedback, through essays and other written assignments.
2 is included in seminars.
3 forms a natural part of the compulsory modules PYM0S1 Data Collection and Analysis 1 and PYM0QQ Qualitative and Quantitative Data, and is additionally a major component of the optional Methods courses viz. PYM0CP, Methods in Clinical Psychology; PYM0DP, Methods in Developmental Psychology; and PYM0SP, Methods in the Study of Perception.
4 and 5 are explicated in the compulsory module PYM0CC Methods in Cognitive Psychology,, and further consolidated by the supervised empirical project.
6 and 7 pervade all aspects of the course.
8 is supported by formative feedback on research seminars written up by the student.

Assessment

1, 2, 4, 6, and 8 are formally assessed as coursework.

An adequate standard in 3, 5, and 7 is required to pass the course.

Please note: This specification provides a concise summary of the main features of the programme and the learning outcomes that a typical student might reasonably expect to achieve and demonstrate if he/she takes full advantage of the learning opportunities that are provided. More detailed information on the learning outcomes, content and teaching, learning and assessment methods of each module can be found in module and programme handbooks.