

Practical Research Work, 7.5 Credits

Praktiskt forskningsarbete, 7,5 hp

Course Code/Codes	20IK025, 20IK026, 20IK027
Subject Area	Informatics
School/equivalent	School of Business
Valid from	2014-06-01
Approved	2014-05-08
Revised	
Approved by	Head of School
Translation to English, date and signature	2015-10-19 Jgy

1 Course content

The course includes:

1. To analyse, plan and conduct research applications. In this module the research student will examine previous applications and participate in planning and preparation of one or more research applications (depending on the scope of the application);
2. To scrutinise scientific texts in the review processes. In this module the research student will examine and criticise the scientific texts in various international journals and conferences;
3. To actively participate in the implementation of scientific events. In this module the research student will actively implement the arrangement of conferences or seminars.

2 Outcomes

2.1 The course in relation to the doctoral programme

The course shall primarily refer to the following intended learning outcomes for third-cycle courses and study programmes as described in the Higher Education Ordinance, i.e. the doctoral student shall demonstrate:

Competence and skills

- the capacity for scholarly analysis and synthesis (part of outcome 3)
- the capacity to review and assess new and complex phenomena, issues and situations autonomously and critically (part of outcome 3)
- the ability to identify and formulate issues with scholarly precision critically, autonomously and creatively (part of outcome 4)

- the ability to plan and use appropriate methods to undertake research and other qualified tasks within predetermined time frames (part of outcome 4)
- the ability to review and evaluate research and other qualified tasks (part of outcome 4)
- the ability to identify the need for further knowledge (outcome 7)

Judgement and approach

- intellectual autonomy and disciplinary rectitude (part of outcome 9)
- the ability to make assessments of research ethics (part of outcome 9)

The intended learning outcomes are listed in the same order as in the general syllabus for the programme.

2.2 Intended course learning outcomes

To obtain a passing grade, the doctoral student shall demonstrate:

- 1) Ability to design a research application according to scientific practice;
- 2) Ability to follow instructions from research funders;
- 3) Ability and proficiency in writing, to process the elements and areas included in a formally acceptable application;
- 4) Knowledge of the research funding system;
- 5) Ability to make ethical considerations in research application writing;
- 6) Ability to analyse in depth and critically evaluate scientific texts;
- 7) Ability to express criticism of scientific texts;
- 8) Ability to conduct scientific events.

3 Reading list and other teaching material

The following course readings and teaching material will be used on the course:

Suggested reading:

Aldridge, Jacqueline & Andrew M Derrington (2012). *The Research Funding Toolkit - How to Plan and Write Successful Grant Applications*. SAGE Publications Ltd: London. ISBN: 9780857029683, 224 pp.

Hoppin Jr, Frederic G (2002). How I Review an Original Scientific Article. *American Journal of Respiratory and Critical Care Medicine*, Vol 166. Pp. 1019–1023.

Lee, Allen S (1995). Reviewing a Manuscript for Publication. *Journal of Operations Management* 13(1), pp. 87-92.
Available via <http://www.people.vcu.edu/~aslee/referee.htm>

Moos, Daniel D (2011). The Review Process: What is it? *Journal of PeriAnesthesia Nursing*, 26(1), pp. 49-53

Sørensen, Carsten (2002). This is Not an Article — Just Some Food for Thoughts on How to Write One.
Available via <http://mobility.lse.ac.uk/download/Sorensen2005b.pdf>

Daft, Richard L (1985). Why I recommended that your manuscript be rejected and what you can do about it. In L. Cummings & P. Frost (Eds.), *Publishing in the organizational sciences*. SAGE Publications Ltd: London pp. 164-182.

Plus an additional 150 pages of guidance and guidelines from the research funders.

4 Teaching formats

Teaching on the course takes the following format:

- Lectures
- Seminars
- Participation in practical scientific work

5 Examination

The course is assessed through the following examinations which will be graded separately:

1. Course Code 20IK025: Practical Research Work – research applications – 2.5 credits
Completion of research applications. Refers to outcome 1-5.
2. Course Code 20IK026: Practical Research Work – conference arrangements – 2.5 credits
Carry out conference arrangements. Refers to outcome 6 and 7.
3. Course Code 20IK027: Practical Research Work – manuscript reviewing – 2.5 credits
Written submission of manuscript review. Refers to outcome 8.

For examinations consisting of several examination components, the following applies: If during the course it is concluded that a doctoral student is unable to complete a certain examination component, the examiner may set a substitute assignment provided that circumstances do not reasonably allow for the course component to be completed at a later date during the run of the course.

6 Grades

Examinations on third-cycle courses and study programmes are to be assessed according to a two-grade scale with either of the grades ‘fail’ or ‘pass’ (local regulations).

The grade shall be determined by a teacher specifically nominated by the higher education institution (the examiner) (Higher Education Ordinance).

To obtain a passing grade on examinations included in the course, the doctoral student is required to demonstrate that he/she attains the intended course learning outcomes as described in section 2.2. Alternatively, if the course consists of multiple examinations generating credit, the doctoral student is required to demonstrate that he/she attains the outcomes that the examination in question refers to in accordance with section 5.

A student who has failed an examination is entitled to a retake.

If an examination consists of several examination components, and a student fails an examination component, the examiner may, as an alternative to a retake, set a make-up assignment with regard to the examination component in question.

A doctoral student who has failed an examination twice for a specific course or course element is entitled, upon his/her request, to have another examiner appointed to determine the grade.

7 Admission to the course

7.1 Admission requirements

To gain access to the course and complete the examinations included in the course, the applicant must be admitted to a doctoral programme at Örebro University.

7.2 Selection

Selection between applicants who have been admitted to doctoral programmes at Örebro University and who otherwise meet the admission requirements as listed above is made according to the following order of precedence:

- 1) Applicants from Informatics
- 2) Research students admitted in the Research School in Technology-Mediated Knowledge Processes
- 3) Applicants from the School of Business
- 4) Applicants admitted to **research study programmes** at Örebro University.

If no other selection criteria are specified in this section, priority shall be given to applicants with a lower number of course credits left before the award of their degree over applicants with a higher number of remaining course credits. Should two or more students have equal number of credits, selection will be done through the drawing of lots. This also applies within any selection groups listed unless otherwise stated.

7.3 Other applicants than doctoral students admitted at Örebro University

Other applicants than doctoral students admitted at Örebro University may be given access to the course on the grounds of provisions for and/or agreements regarding contracted courses, joint degrees, national graduate schools or cooperation in other respects with other universities.

Any decisions on what such other applicants may be given access to the course are made separately and on the basis of the provisions and/or agreements that occasion the student to apply for the course.

8 Transfer of credits for courses, study programmes and other experience

Provisions on the transfer of credits can be found in the Higher Education Ordinance and on the university's webpage.

9 Other information

The language of tuition may be English or Swedish, depending on the participants' language skills. The literature is mainly in English.

The course is offered in modules, depending on research students' needs.

Research students who have been admitted to a course have the right to receive tuition and/or supervision for the duration of the time period specified for the particular course to which they were accepted. After that, the right to receive tuition and/or supervision expires.

Transitional provisions

