

BACHELOR THESIS COURSE 15 HP IN INFORMATICS

Fall 2015 – Information meeting (kick-off), September 10, 2015

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Informatics and Research

▶ Information systems (IS, Informatics, Applied IT)

- IS is a discipline concerned with the development and use of information systems by individuals, groups, organizations and society, where usually those information systems involve the use of information technology.

▶ Computing (Computer Science)

- Computing is a discipline concerned with the development and use of computer-based products, but it tends to concentrate primarily on the technological rather than the social aspects of information systems.

▶ Research

- **A planned investigation driven by a research question, structured by a research design, that ends up with conclusions based on evidence and arguments, presented in a way that makes it possible for peers to criticize and/or use the research (report, thesis, paper, article).**

Literature example

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Researching Information Systems and Computing
Av Briony J Oates


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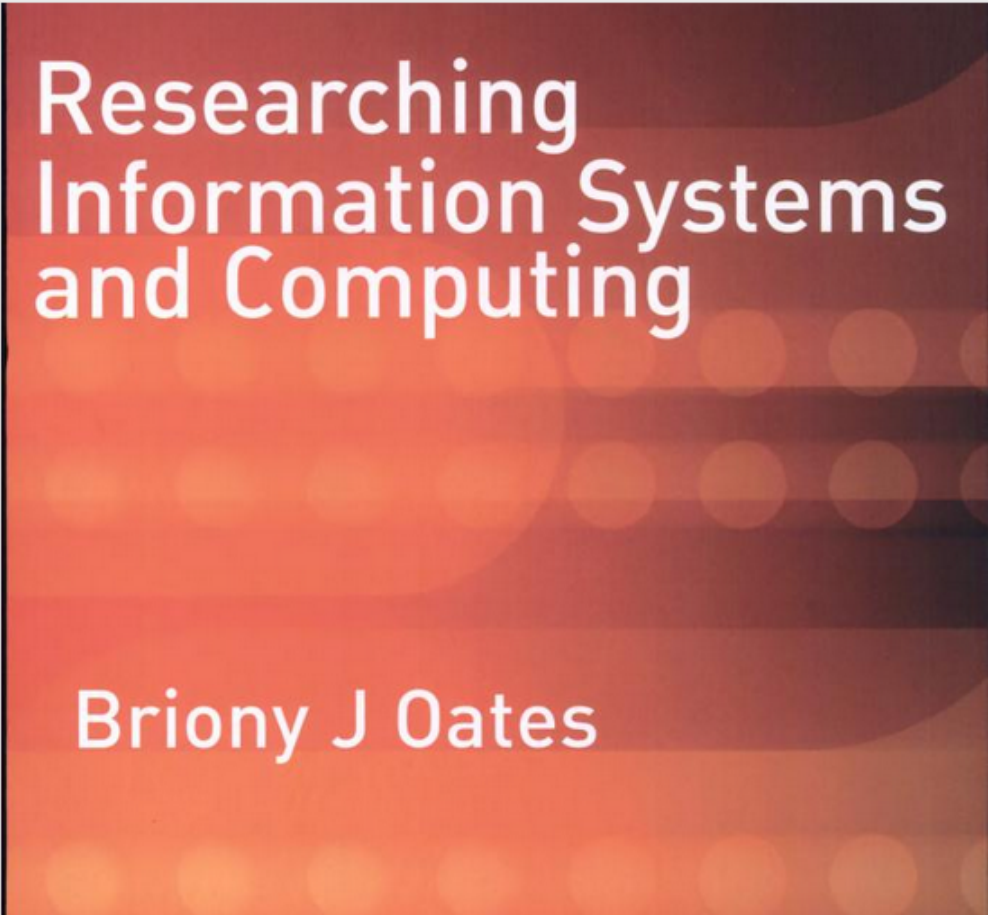
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Researching Information Systems and Computing

Briony J Oates

Purpose

▶ The purpose with the ‘Thesis Course in Informatics’

- is to independently carry out a major scientific endeavor in relation to the subject Informatics in order to accomplish what is needed to be considered a master or a bachelor.

▶ This means:

- to independently integrate and use knowledge obtained from previous informatics courses to solve problems identified, by using a **research design**

Structure

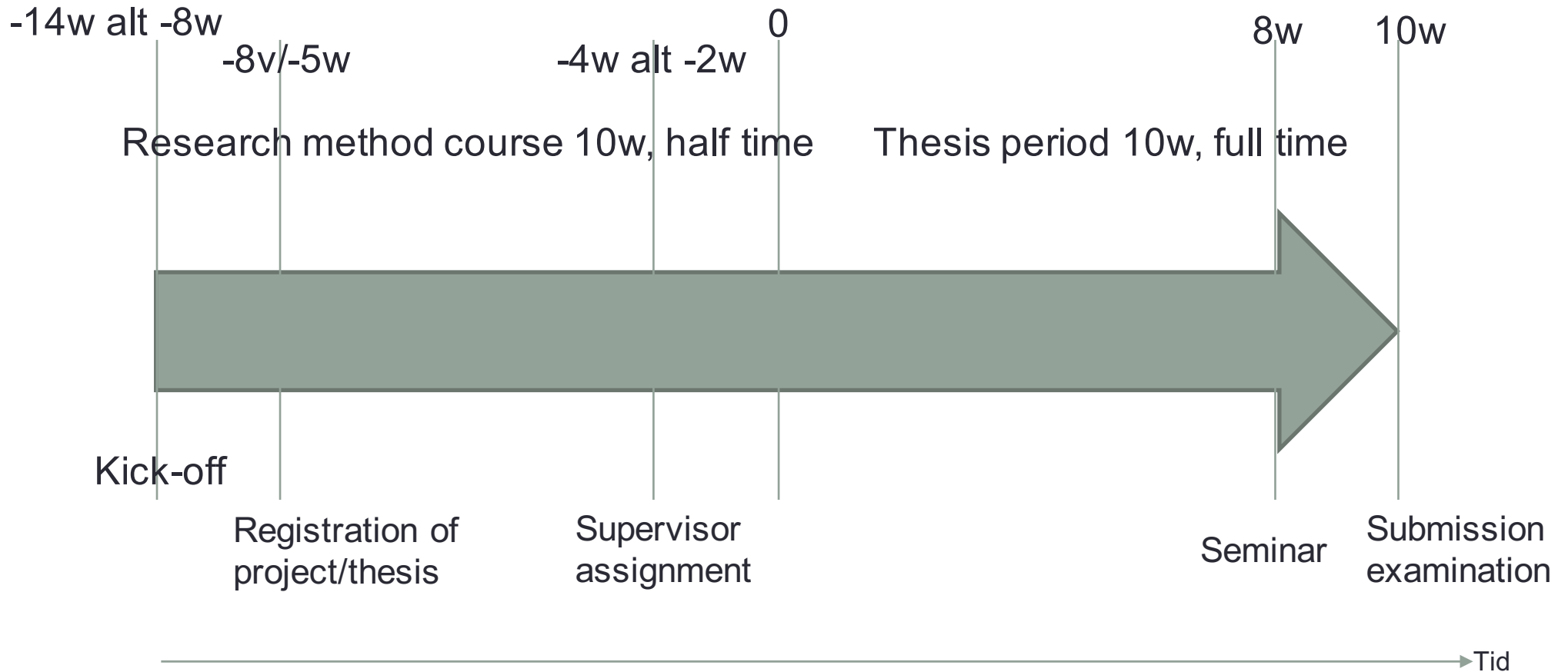
- ▶ Bachelor 15hp (fall thesis) starts in November
- ▶ Seminars are held in January
- ▶ Examination in January

- ▶ Tutors are assigned in October
- ▶ Students have the right to a tutor during two semesters
- ▶ Extra examinations are given in “Spring” and June/August
- ▶ Students have the right to five examinations
- ▶ The formal end of the course is August 2016

A Thesis in Informatics...

- ▶ ...is **not** a transcript of previous thesis or other publications!
- ▶ A thesis is **not** an application or a system that is developed for a company or an organization.
- ▶ A thesis is **not** systems analysis or a business model.
- ▶ A thesis presents **NEW** and **grounded** knowledge developed using a research design
- ▶ A thesis is written in groups of two students
- ▶ A thesis often cover 50-100 pages.

Bachelor Thesis in Informatics - process



Criteria for evaluating Thesis Works in Informatics (Established Research Values)

▶ *Relevance;*

- in terms of choice of problem/subject and treatment of subject.

▶ *Originality and clarity*

- in the knowledge contribution and in arguments.

▶ *Creativity;*

- in terms of knowledge contribution and treatment of subject.

▶ *Scientific grounding;*

- in terms of relevant connection to existing theory and research.

▶ *Generalization;*

- in terms of the value that the new knowledge has beyond the study.

Criteria for evaluating Thesis Works in Informatics (Established Research Values)

▶ *Congruence;*

- in terms of different parts in the thesis.

▶ *Research methods*

- in terms of design and arguments for the design.

▶ *Research methods*

- in terms of implementation of the research design during the study.

▶ *Presentation;*

- in terms of clearness concerning the structure of the thesis and the accuracy in the language in the thesis.

▶ *Cumulativity;*

- in terms of the ability build on previously developed knowledge.

Directions and advice

Important to read and understand the content in the document:

”To Perform a Degree Project within Informatics at the Department of Information Technology – Directions and advice”.



Thesis Process 15/30 hp (fall thesis)

- ▶ Information meeting / Course kick-off September
- ▶ Registration of the degree project Deadline: 2015-10-xx (middle of October)
- ▶ Supervisor assignment Last week in October
- ▶ Planning report and research method course September -> November
- ▶ Supervision and thesis work November -> January, with final seminars in mid-January
 - 30 days before final seminars: Detail information sent out about the course will end
- ▶ Reviewers recommendation to submit thesis for examination will be provided after the final seminar
- ▶ Final push to complete the thesis based on the comments from the final seminar
- ▶ Submission of thesis for examination end of January
- ▶ Examination in writing provided in end of February
- ▶ Submission of final manuscript for evaluation (Urkund), grading and publication (BADA/DiVA)
- ▶ Extra examinations is provided in “Spring” and June/August
- ▶ Course ends in August 2016; this means that the supervisor assignment terminates.

Next step

- ▶ An email will be sent out in September/October with instructions how to start the registration of the degree project.
- ▶ Swedish: <http://www.hb.se/Student/Akademin-for-bibliotek-information-pedagogik-och-IT/Informatik/Informatik/>
- ▶ English: <http://www.hb.se/en/Current-Student/My-studies/Examination/Writing-a-thesis/Degree-Projects-in-Informatics/>

Questions



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