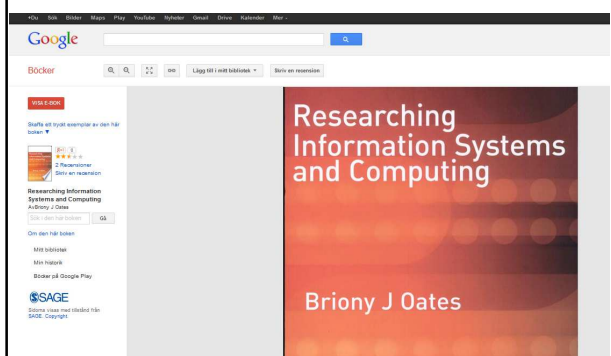# BACHELOR THESIS COURSE 15 HP IN INFORMATICS

Spring 2015 – Information meeting (kick-off), December 4, 2014

Patrik Hedberg (course coordinator, bachelor thesis in Informatics)

PhD Anders Hjalmarsson (bachelor and master thesis examiner)

Informatics and Research

▸ **Information systems (IS, Informatics, Applied IT)**
  • IS is as 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).**
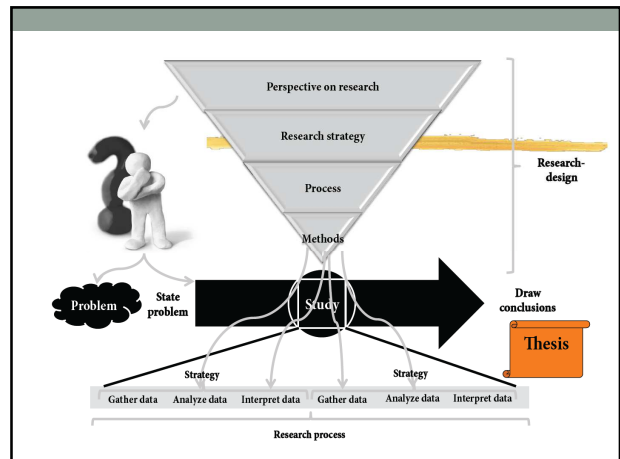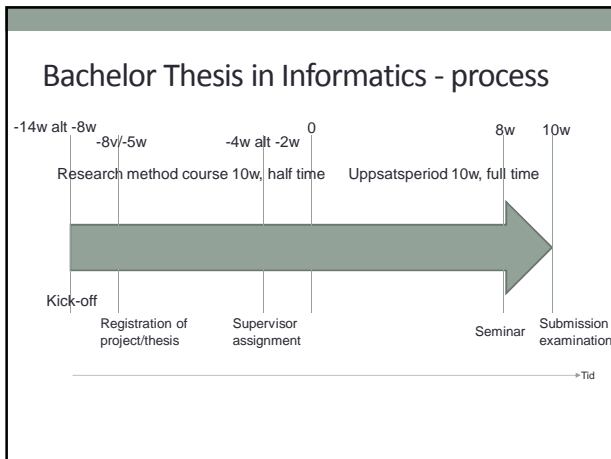

Literature example

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 (spring thesis) starts in the end March
▸ Seminars are held in May
▸ Examination in June

▸ Tutors are assigned in March
▸ Students have the right to a tutor during two semesters
▸ Extra examinations are given in August and January 2016
▸ Students have the right to five examinations
▸ The formal end of the course is January 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 60-100 pages.

Bachelor Thesis in Informatics - process

-14w alt -8w   -8v/-5w   -4w alt -2w   0   8w   10w

Research method course 10w, half time   Uppsatsperiod 10w, full time

Kick-off

Registration of project/thesis   Supervisor assignment   Seminar   Submission examination

Tid

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 School of Business and IT – Directions and advice".

Thesis Process 15/30 hp (fall thesis)

‣ Information meeting / Course kick-off December
‣ Registration of the degree project Deadline: 2015-02-xx (February)
‣ Supervisor assignment Middle of March
‣ Planning report and research method course January -> March
‣ Supervision and thesis work April -> June, with final seminars in mid-May
  • 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 first week of June
‣ Examination in writing provided in end of June
‣ Submission of final manuscript for evaluation (Urkund), grading and publication (BADA)
‣ Extra examinations is provided in August and January 2016
‣ Course ends in January 2016; this means that the supervisor assignment terminates.

Next step

▸ An email will be sent out in January/February with instructions how to start the registration of the degree project.

▸ Swedish: http://www.hb.se/hit/inf-examen

▸ English: http://www.hb.se/en/School-of-Business-and-IT/International-student/Thesis-work/Degree-projects-in-Informatics/

Questions

Examples – thesis subjects (2014)

Green IS - a systematic literature review

Säkerhetshantering inom molnet

Användaracceptansen vid IT-förändringsarbete

Zachmans ramverk för ökade vinster i verksamheter

Hemelektronikbranschens anpassning till mobil e-handeln

Molnbaserade affärssystem

Flermetodersforskning - ger det en bredare bild av användbarhet på e-handelssidor?

ITIL i verksamheter

Bristande kvalitet i användbarhetskrav

Spelifiering för affärsnytta

CRM-system - en byggsten för kundlojalitet

Eye tracking som interaktionsmetod för interaktiva informationsskärmar

Lyckade IT-projekt - hur hanteras den mänskilga framgångsfaktorn i IT-projekt

Unity vs. Monogame - a SWOT analysis on which is best for teaching (spelmotorer)

Examples – thesis subjects (2013)

Kryptologi

Designprinciper för kommunikation

Problemområden med Scrum

Bring Your Own Device

IT-investeringar och affärsnytta

Kravhantering i agil SU

Near Filed Communication

Agil utveckling

Designprinciper för e-handel

IT-outsourcing to China

Användarcentrerad SU

Semantiska webben

Contact…

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