HALMSTAD UNIVERSITY
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School of Information Technology

SYLLABUS
-translated from Swedish
Page 1 (3)
Course Code: IK8023 / 5

Academic Communication and Digital Service Innovation Research 15 credits

Akademisk kommunikation och ny forskning inom digital tjänsteinnovation 15 hp

Second cycle
Main field: Informatics, Second cycle, has only first-cycle course/s as entry requirements (A1N)
Syllabus is adopted by the Research and Education Board (2024-03-20) and is valid for students admitted for the autumn semester 2024.

Placement in the Academic System

The course is included in the Master's Programme in Digital Service Innovation, 120 credits.

Prerequisites and Conditions of Admission

Bachelor's degree 180 credits in informatics, information science, computer science, interaction design, software development, information technology, service science, innovation science, business administration or equivalent. The degree must be equivalent to a Swedish kandidatexamen and must have been awarded from an internationally recognised university. English 6. Exemption of the requirement in Swedish is granted.

Course Objectives

One objective is that the student develops a deep understanding of the academic publication system, of how research is communicated in society, and skills to present research results. Another objective is that the student further develops skills to to carrying out a literature study in academic writing, to review of academic texts and to orient within new research in digital service innovation.

Following successful completion of the course the student should be able to:

Knowledge and understanding

- describe the academic system for assessing and reviewing research publications
- compare and relate different genres of academic communication
- account for the principles and frameworks concerning scientific literature studies
- describe and understand the criteria for scientific publishing

Skills and ability

- orally and in writing, in both academic and popular scientific format, with clarity present research results
- organise and participate in a scientific conference with the established process for formatting, reviewing and presentation of articles
- independently identify and problematize a current and relevant research area within digital service innovation
- independently carry out a literature study and present the result(s) in the form of a scientific article
- written and orally discuss as well as present constructive criticism of academic manuscripts

Judgement and approach

- evaluate reflect upon her/his own need to further develop skills to write and review academic texts
- critically reflect upon the scientific, ethical and sustainability qualities of academic manuscripts
- demonstrate an in-depth insight into the responsibility of the research community concerning quality and ethical aspects of the academic system from knowledge development and social development perspectives

Primary Contents

The course is divided into two parts. The first part deals with the academic system for the publication and dissemination of research results. The first part also deals with research ethical and societal critical perspectives regarding academic publishing. The second part of the course is to carry out a literature study and report its findings in an article. This process is helped by supervision as well as seminars where students examine and discuss each other's articles. It is part of the course to perform written reviews of other students' articles. The article is to be presented orally at a conference organised by the students that concludes the course.

Teaching Formats

Teaching will comprise of lectures, seminars and supervision.

Teaching is in English.

Examination

The overall grades of F (Insufficient), E (Sufficient), D (Satisfactory), C (Good), B (Very Good), A (Excellent) will be awarded for the course.

The examination consists of Written and oral presentation and review of an article and participation in a conference. The examination also consists of a written and oral popular scientific presentation.

Name of the test		Grading
Written and Oral Presentation of Published Research Results	2 credits	F/E/D/C/B/A
Organization and Implementation of Conference	1 credits	U/G
Written and Oral Presentation of article	8 credits	F/E/D/C/B/A
Article reviews	4 credits	F/E/D/C/B/A

If there are special reasons, the examiner may make exceptions from the specified examination format and allow a student to be examined in another way. Special reasons can e.g. be a decision on learning support.

For elite sports students according to Riktlinjer för kombinationen studier och elitidrott vid Högskolan i Halmstad, DNR: L 2018/177, the examiner has the right to decide on an adapted examination component or let the student complete the examination in an alternative way.

Course Evaluation

Course evaluation is part of the course. This evaluation should offer guidance in the future development and planning of the course. Course evaluations should be documented and made available to the students.

Course Literature and Other Study Resources

Alvesson, M., & Sandberg, J. (2013). *Constructing research questions: Doing interesting research.* Sage.

Barrett, M., Davidson, E., Prabhu, J., & Vargo, S. L. (2015). *Service innovation in the digital age: key contributions and future directions.* MIS quarterly, 39(1), 135154.

Jesson, J., Matheson, L., & Lacey, F. M. (2011). *Doing your literature review: Traditional and systematic techniques.* Sage.

Klein, H. K. and Myers M. D., (1999). *A Set of Principles for Conducting and Evaluating Interpretive Field Studies in Information Systems.* MIS Quarterly, Special Issue on Intensive Research (23:1), 1999, pp. 67-93.

Lee, A. S., & Hubona, G. S. (2009). *A scientific basis for rigor in information systems research.* MIS Quarterly, 237-262.

Majchrzak, A., & Malhotra, A. (2013). *Towards an information systems perspective and research agenda on crowdsourcing for innovation.* The Journal of Strategic Information Systems, 22(4), 257268.

Melville, N. P. (2010). *Information systems innovation for environmental sustainability.* MIS quarterly, 34(1), 1-21.

Nambisan, S. (2013). *Information technology and product/service innovation: A brief assessment and some suggestions for future research.* Journal of the Association for Information Systems, 14(4), 215.

Nielsen, P. (2017). *Digital Innovation: A Research Agenda for Information Systems Research in Developing Countries. In International Conference on Social Implications of Computers in Developing Countries* (pp. 269-279). Springer, Cham.

Mingers, M. & Walsham, G. (2010). *Toward ethical information systems: the contribution of discourse ethics.* MIS Quarterly, Volume 34 Issue 4, Pages 833-854.

de Reuver, M., Sørensen, C., & Basole, R. C. (2016). *The digital platform: a research agenda.* Journal of Information Technology, 1-12.

Sørensen, C. (2002). *This is Not an Article - Just Some Food for Thoughts on How to Write One. Working Paper.* Department of Information Systems, The London School of Economics and Political Science. No. 121.

Webster, J., & Watson, R. T. (2002). *Analyzing the past to prepare for the future: Writing a literature review.* MIS Quarterly,8–23.

Yoo, Y., Henfridsson, O., & Lyytinen, K. (2010). *Research commentary - the new organizing logic of digital innovation: anagenda for information systems research.* Information systems research, 21(4), 724–735.

Students choose their own independent literature for the conducted study of literature.

Internet (library guide to Journals, conferences and papers, links are actuala from 2020-02-17):

Ämnesguide för informatikstudenter vid Högskolan i Halmstad:
http://libguides.hh.se/c.php?g=447104

11 steps to structuring a science paper editor will take seriously
https://www.elsevier.com/connect/11-steps-to-structuring-a-science-paper-editors-will-take-seriously

Write great research papers
https://www.microsoft.com/en-us/research/academic-program/write-great-research-paper/

How to review a paper
http://www.sciencemag.org/careers/2016/09/how-review-paper

How to organise an academic conference _ 10 tips
https://www.theguardian.com/higher-education-network/blog/2014/jan/17/how-to-organise-academic-conference