

Kursplan: Omfamna dina doktorand- och postdoktorstudier - Perspektiv på forskningsarbete, planering, management, kunskapsskapande och lärande, 1,5 hp, 6FIEI36

(Embracing your PhD and Post-doc studies – Perspectives on research work, planning, management, knowledge creation and learning)

Kursens syfte

Kursens syfte är att stärka individens förmåga att bemästra forskningsinsatser som doktorandstudier eller post-doc-projekt.

Kursmål

Efter genomgången kurs ska doktoranden kunna:

- Förklara centrala perspektiv och teorier relaterade till kursens innehåll
- Reflektera, analysera och diskutera centrala perspektiv och teorier i relation till eget forskningsarbete
- Tillämpa centrala perspektiv och teorier i planering och hantering av forskningsinsatser som doktorandstudier eller post-doc-projekt

Innehåll

Kursen fokuserar på hur doktorander och postdoktorer kan omfamna sina studier och syftar till att skapa en bättre förståelse för karaktären på forskningsarbete speciellt avseende osäkerhet och tvetydighet, och konsekvenserna för hur denna typ av arbete kan organiseras, ledas och planeras. Kursen ger också perspektiv på kunskapsbaserade processer och lärande. Kursen behandlar följande ämnen:

- Forskning, innovation, osäkerhet och tvetydighet
- Problemlösning under osäkra förhållanden
- (Själv) ledarskap
- Konflikthantering
- Projektledning och planeringsmetoder för tvetydiga uppgifter
- Kunskap och lärande
- Kunskapsprocesser

Förkunskaper

Antagen till forskarutbildning. Inga särskilda förkunskaper krävs.

Målgrupp

Doktorander under det första eller andra året av sina doktorandstudier.

Kursen är främst avsedd för doktorander, men kursinnehållet kan också vara relevant för nyligen disputerade forskare och postdoktorer.

Undervisning

Kursen består av 6 seminarier (vardera 4 timmar), med interaktivt innehåll och en blandning av föreläsningar, aktiviteter och diskussioner.

Litteratur

Anges vid kursstart.

Examination

Kursen examineras genom aktivt deltagande, förberedelser och en skriftlig inlämningsuppgift.

Övrigt

Kursen beaktar lika villkor och har som mål att ta tillvara de resurser som studenter med olika bakgrund, livssituation och kompetens tillför utbildningen

Litteraturlista och schema fastställs i annan ordning

Kursutvärdering ska göras av kursansvarig efter varje kurstillfälle. Resultatet av kursutvärderingen ska kommuniceras till deltagarna samt forskarutbildningsrådet vid IEI.

Course Plan: Embracing your PhD and Post-doc studies – Perspectives on research work, planning, management, knowledge creation and learning, 1,5 hp

(Omfamna dina doktorand- och postdoktorstudier - Perspektiv på forskningsarbete, planering, management, kunskapskapande och lärande)

Course Aim

The course objective is to strengthen the individual's capabilities to master research endeavors like PhD studies or post-doc projects.

Course Goals

After the course the student needs to be able to:

- Explain central perspectives and theories related to the topics in the course
- Reflect, analyze and discuss central perspectives and theories in relation to own research work
- Apply central perspectives and theories in planning and managing research endeavors like PhD studies or post-doc projects

Content

The course focuses on how PhD students and post-docs can embrace their studies and aims at creating a better understanding for the type of task, ambiguities involved, the consequences of ambiguity for management, leadership and planning, processes of knowledge creation and perspectives on learning.

The course covers the following topics:

- Research, innovation and ambiguity
- Problem-solving under ambiguous conditions
- (Self-)leadership
- Conflict management
- Project management and planning approaches for ambiguous tasks
- Knowledge and learning
- Knowledge creation processes

Prerequisites

Admitted to PhD education. No special prior knowledge is required.

Target group

Doctoral students in the first or second year of their PhD studies. The course is primarily designed for PhD students, but the course content can also be highly relevant for early career researchers and post-docs.

Teaching

The course consists of 6 seminars (4 hours each), with highly interactive content, mixing lectures, activities and discussions.

Literature

Will be provided at the course start.

Examination

The course is examined by active participation, preparations and a written final report.

Other

The course takes into account equality aspects and aims to make use of the resources that students with different backgrounds, life situations and skills contribute with in their education

The literature list and schedule are determined in a different order.

Course evaluation must be done by the course coordinator after each course. The results of the course evaluation must be communicated to the participants and the postgraduate education council at IEI.

Table 1 Course plan

	Date	Activity	Specific reading for seminar	Preparations before seminar
1		<p>Course introduction</p> <p>Perspectives on research, innovation and problem-solving under ambiguity</p>	<p>Chapter 1 From what to how – Burman</p> <p>Chapter 3 The nature of the PhD qualification -Phillips and Pugh</p> <p>Delamont, S., & Atkinson, P. (2001). Doctoring uncertainty: Mastering craft knowledge. <i>Social studies of science</i>, 31(1), 87-107.</p>	<p>Based on your reading, prepare 1-2 questions for discussion.</p> <p>Complete exercise 1 from the Burman book related to work processes and make note of specific challenges you are currently facing</p>
2		<p>Perspectives on (self)-leadership</p>	<p>Chapter 2 Doing the right things - Burman</p> <p>D'Intino, R. S., Goldsby, M. G., Houghton, J. D., & Neck, C. P. (2007). Self-leadership: A process for entrepreneurial success. <i>Journal of leadership & organizational studies</i>, 13(4), 105-120.</p>	<p>Based on your reading, prepare 1-2 questions for discussion.</p> <p>Complete exercise 8 from the Burman book</p>
3		<p>Perspectives on Managing relationships and Conflict management</p>	<p>Verma (1998) <i>Conflict Management, The Project Management Institute Project Management Handbook</i>, Ed: Jeffrey Pinto. 1998 (on Lisam)</p> <p>Chapter 7 How to manage your supervisors - Phillips & Pugh</p>	<p>Based on your reading, prepare 1-2 questions for discussion.</p>
4		<p>Perspectives on Project management and planning approaches for ambiguous tasks</p>	<p>Chapter 3-4 Working in Units, From vague visions to concrete goals - Burman</p> <p>Pages 124-134 on Project management - Phillips & Pugh</p> <p>Optional: Atkinson, R., Crawford, L., & Ward, S. (2006). Fundamental uncertainties in projects and the scope of project management. <i>International journal of project management</i>, 24(8), 687-698.</p>	<p>Based on your reading, prepare 1-2 questions for discussion.</p> <p>Exercise 18 in Burman related to goals for the term</p>

5		Perspectives on Knowledge and learning, knowledge creation processes	Chapter 4 “How not to get a PhD” - Phillips & Pugh	Based on your reading, prepare 1-2 questions for discussion.
6		Synthesis and presentation of reflection assignment on “how to embrace my PhD studies” Course closure		Write personal reflection (3-4 p) on “how to embrace my PhD studies” – new perspectives and personal strategies for how to deal with uncertainty and ambiguity in my PhD work (apply and refer to a relevant selection of course readings) Upload to your designated group in Collaborative Workspace in Lisam DL: Dec 13 at 17.00

Textbook and course materials:

- Burman, Å (2018): The doctoral student handbook: master effectiveness, reduce stress, finish on time. Finish On Time Publications. ISBN 9789198486704 (excerpts from)
- Estelle M. Phillips and D S Pugh: How to get a PhD. Handbook for students and supervisors. Open University Press. ISBN 0335216854 (pb) (excerpts from). Available as e-book at the library.

Complemented by seminar-specific research articles and additional material.

Examination: Active participation in seminars and Final reflection assignment (Pass/Fail).

Marking scale: Pass / Failed

Course leader/examiner: Anna Yström, anna.ystrom@liu.se

Coursetime: HT21 (Oct-Dec)

Responsible department: IEI