



UPPSALA  
UNIVERSITET

## **Project work and project management for doctoral students (3hp)**

## **Projektarbete och projektledning för doktorander (3hp)**

### **General course objective/s and learning outcomes**

Project management is a key skill for research activities across all disciplines within the Faculty of Science and Technology. In particular, skills in project management are useful in that they can aid researchers in structuring their research activities so as to better achieve their research and dissemination goals within the time and resources available to them, help researchers to identify e.g. research issues before they arise, facilitate recording and discussing research progress, provide a common language for collaborative work with other researchers both within the institution and externally, and aid in planning and describing research activities in funding applications.

The course aims to provide basic knowledge of planning and leading research projects. We mix introductions to thematic areas within project management with individual and group assignments linked to the research fields and activities of the participants. The assignments aim to critically discuss the readings and stimulate comparative discussions between the participants' subject areas, as well as to allow for a discussion of particular topics such as larger international research collaboration projects and collaborative project between university and industry.

The course contributes to progression towards the doctoral degree in the following areas:

- Demonstrate the ability to critically, independently, and creatively formulate issues and to plan and with adequate methods conduct research and other qualified tasks within given time frames;
- Demonstrate the ability to present and discuss research and research results in dialogue with the scientific community and society in general, both in national and international contexts, orally and in writing.

### **After passing this course, the student will be able to:**

- Explain different types of academic projects and their characteristics.
- Account for and explain theories and tools used in the field of project management.
- Account for appropriate planning and coordination methodology in relation to the project's scope and type, stakeholders, and communication needs.
- Examine the role of leadership in projects.

### **Course content**

Foundational theories and tools within project management. Different types of projects – the unique nature of academic project management. Project planning and coordination. Project budgets. Stakeholder

perspectives. Leadership and communication. Projectification. Interviews with academic project managers.

**Instruction (course structure)**

The course consists of three lectures and three workshops / seminars, and one interview. Course literature should be read in advance of each class.

**Assessment (form of examination)**

Three assignments including 1 poster.

**Practical information**

Language of instruction: English

Place of instruction: The course will be held at Ångström laboratory, with reservation for changes.

Recommended prerequisites: None

Course examiner (name, e-mail): Nina Fowler, [Nina.Fowler@angstrom.uu.se](mailto:Nina.Fowler@angstrom.uu.se)

Department with main responsibility: Department of Civil and Industrial Engineering, Division of Industrial Engineering and Management

Contact person/s (course responsible teacher) (name, e-mail): Nina Fowler, [Nina.Fowler@angstrom.uu.se](mailto:Nina.Fowler@angstrom.uu.se)

Course dates/period: HT2021

Maximum number of participants: 20

Submit the application for admission via: <http://doit.medfarm.uu.se/kurt18754>

Submit the application not later than: 1 June 2021