



**KTH Technology
and Health**

Master's program in Technology, Work and Health

Course PM

Project course HN2005, 15 Credits

Spring 2020



Welcome to the Project course HN2005, 15 credits!

Project work is becoming more common in all types of organizations. This applies to both projects work where members are employed by a work organization and to projects with inter-organizational collaboration. Projects are often cross-functional and multidisciplinary by nature, and require thus abilities to interact with people from different disciplines and backgrounds.

The Project course assumes that system thinking is needed to develop healthy and well-functioning operations of work that contribute to sustainable work systems.

INTENDED LEARNING OUTCOMES

The students shall after their studies be able to:

- show ability to search and obtain sufficient knowledge within a project field
- show ability to communicate professionally in written and oral form, by presenting own results in a report and orally
- show ability to critically examine and assess other project reports
- individually and together with others apply relevant knowledge and plan a relevant project task for the course

COURSE MAIN CONTENT

- Individual planning
- Methods for information and literature search
- Methods compilation
- Design of a study plan
- Analysis methods
- Instructions for writing reports
- Oral presentations
- Instructions for opposition

TEACHING FORMS

The teaching of the course combines distance learning with scheduled group-teaching at campus. Teaching forms at campus include lectures and seminars with supervision individually and in groups. Mandatory seminars and workshops are marked in the schedule. One planning report, a literature study and a method report are to be presented by the students in written and orally. There will also be mandatory written and oral seminar assignments during the course.



The course content builds on a multidisciplinary structure and content, reflecting the basic concepts of the master's program. The course's design and the students' different knowledge traditions create a platform with good opportunities to learn from each other, to develop new ways of thinking and approaching problems, and the opportunity to experience and reflect on cultural clashes between education and practice.

EXAMINATION

Examination is carried out by four different parts in the course including active participation in a workshops and seminars, handing in three assignments and a written examination. The following forms of examination are carried out within the course:

- RED2 - Literature Study, 5.0, grading scale: P, F
- RED3 - Methodology Report, 5.0, grading scale: P, F
- RED4 - Planning Report, 3.0, grading scale: P, F
- SEM2 - Seminars, 2.0, grading scale: P, F

For passing the course all four above examination parts need to be passed. Active participation and presentation of assignments at mandatory seminars is required for passing the course. The results of the assignments, written reports and oral accomplishments at the seminars are weighted together in the final grade (A-F).

The grading is done using the following scale: A, B, C, D, E and F and is based on the examinations in the course.

Course leader

Associate professor Andrea Eriksson andrea4@kth.se; 08-790 9804

Teachers

Andrea Eriksson (AE) (course leader)
Jörgen Eklund (JE)
Sara Akramy,(SA), from KTH Library
Miritt Zisser (MZ) from KTH Library

OVERALL COURSE SCHEDULE

This is a preliminary schedule and the schedule may be subjected to changes

⚠ = Mandatory part of the course, on Campus

Course occasion	Lecture hall	Day	Time	Course content
(1) January week 3	Conference room 9504 (floor 9)	Friday 17/1	08.15-16.00	⚠ 8-9 Intro of project course, AE 9-16 Lectures on development of sustainable projects, AE
DEADLINE	Canvas	Thursday 24/1	12.00 AM	Deadline for pre-assignment for the literature report workshop
(2) January week 5	T67	Monday 27/1	14-17	⚠ 14-17 Source criticism, database searches, reference management, SA; MZ. Bring your own laptop! Held together with the method course!
(3) February week 5	T41 Gullstrandsalen	Wednesday 29/1	9-12	⚠ 9-12 Literature search workshop, LBB; SA Held together with the method course!
(4) February week 5	Conference room 9504 (floor 9)	Thursday 30/1	13-16	Lectures on implementing and evaluating sustainable projects, AE
(5) February week 7	Conference room 9504 (floor 9)	Tuesday 11/2	10.15-12	Optional possibilities for group supervision on course assignments. Possible to participate through Skype, AE
(6) February week 7	Conference room 9504 (floor 9)	Wednesday 12/2	9.15-17	9-17 Lecture on examples of projects, JE
DEADLINE	Canvas	Friday 28/2	17.00	Deadline for preliminary version of literature search report
DEADLINE	Canvas	Friday 6/3	17.00	Deadline for peer review of the preliminary versions of literature search report
DEADLINE	Canvas	Tuesday 16/3	10.00	Assignments on how to develop and evaluate sustainable projects
(7) March week 12	Conference room 9504 (floor 9)	Wednesday 18/3	8.15 – 16	8-10 Criteria master thesis, AE ⚠ 10.15-16: Seminar on how to develop and evaluate sustainable projects, AE
DEADLINE	Canvas	Wednesday 25/3	17.00	Discussion assignment, criteria master thesis Part I
DEADLINE	Canvas	Tuesday 31/3	10.00	Discussion assignment, criteria master thesis Part II



KTH Technology
and Health

(8) April week 14	Conference room 9504 (floor 9)	Thursday 2/4	8.15-12	▲ Seminar on criteria master thesis, AE
(9) April week 14	Projektrum 2	Thursday 2/4	13.00-15	13-15 Optional possibilities for group supervision on the planning report, AE
(10) April week 14	Projektrum 3	Thursday 23/4	13.00-16	13-16 Optional possibilities for group supervision on the planning report, AE
DEADLINE	Canvas	Tuesday 28/4	12.00 AM	Deadline for the planning report
(11) May week 19	Conference room 9504 (floor 9)	Tuesday 5/5	9.15 AM-17 PM	▲ Seminar on the planning reports, AE
DEADLINE	Canvas	Friday 8/5	17.00	Deadline for preliminary version of literature review report
DEADLINE	Canvas	Friday 17/5	17.00	Deadline for peer review of preliminary version of literature review report
(12) May week 20	Conference room 9504 (floor 9)	Friday 14/5	10.15-12 AM	Optional possibilities for group supervision on the method report. Possible to participate through Skype, AE
DEADLINE	Canvas	Tuesday 25/5	12.00	Deadline for the method report
DEADLINE	Canvas	Friday 29/5	17.00	Deadline for final versions of the literature search and literature review reports
(13) June week 23	Conference room 9504 (floor 9)	Tuesday 1/6	9.15 AM – 5 PM	▲ Seminar on the method reports

Course literature and course material

Chapter 10 in MOOC/Book **Technology and Work on human terms**

Chapters 1-9 and 16-17 in: Harvey, M (2010) Project management, 4th edition*

Blackwell, J. and Martin, J. (2011). **A Scientific Approach to Scientific Writing** [Electronic resource]:
New York, NY, Springer New York.*

Articles, books and reports relevant for the individual student's planning and method reports. Collected
by individual literature searches during the course.

* Available for free after login at www.kth.se/kthb

Course material on Canvas:

Chapter 2 in: Patton, M. Q. (1987). **How to use qualitative methods in evaluation** (No. 4). Sage.



KTH Technology
and Health

Project course HN2005

Master's program in Technology, Work and Health

Selected parts from: Nutbeam, D., and Bauman, A. (2006) **Evaluation in a nutshell: a practical guide to the evaluation of health promotion programs.** NSW, Australia: McGraw-Hill

Eriksson, A., Holden, R. J., Williamsson, A. and Dellve, L. (2016). A case study of three Swedish hospitals' strategies for implementing lean production. *O Nordic Journal of Working Life Studies*, 6(1), 105-131.

Kira, M., van Eijnatten, F. M., and Balkin, D. B. (2010). Crafting sustainable work: Development of personal resources. *Journal of Organizational Change Management*, 23(5), 616-632.

Renger, R., & Titcomb, A. (2002). A three-step approach to teaching logic models. *American Journal of Evaluation*, 23(4), 493-503.

Van Eerd, D., Cole, D., Irvin, E., Mahood, Q., Keown, K., Theberge, N., Village, J., St Vincent, M. and Cullen, K. (2010). Process and implementation of participatory ergonomic interventions: a systematic review. *Ergonomics*, 53(10), 1153-1166.

Zink, K. J., and Fischer, K. (2013). Do we need sustainability as a new approach in human factors and ergonomics?. *Ergonomics*, 56(3), 348-356

Additional articles, films and reports that will be posted at CANVAS or handed out during the course

Reference literature:

Wilson, R., Corlett N. (eds) (2005). **Evaluation of Human Work**, 3:rd ed. London: Taylor & Francis