



# MJ215X Degree Project in Heat Transfer, Second Cycle 30.0 credits

Examensarbete inom värmetransporter, avancerad nivå

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Course syllabus for MJ215X valid from Autumn 11

This is a translation of the Swedish, legally binding, course syllabus.

**Grading scale:** A, B, C, D, E, FX, F

**Education cycle:** Second cycle

**Main field of study:** Mechanical Engineering

## Intended learning outcomes

Upon completion of the thesis project, the student should be able to:

- Formulate clear objectives that can be validated through appropriate scientific and/or engineering methods;
- Plan his/her own work appropriately to achieve the objectives;
- Assimilate related work in the field and link this to the task at hand;
- Employ a wide range of technical and non-technical tools and methods, either those that have been acquired previously or through learning new skills;
- If applicable, incorporate aspects related to sustainability, end-user or societal implications;
- Communicate results, in both oral and written form, with due respect to clarity, accuracy, and effectiveness;
- If applicable, critique a peer's technical work (oral or written) and be able to meet corresponding viewpoints on his /her own work

## Course main content

MSc programs culminate in the degree (thesis) project, where students are expected to demonstrate independent mastery of a particular engineering problem employing a wide variety of skills. A variety of topics are appropriate for a thesis project, however the project must have significant technical components, have a clear link to the heat transfer field, and, if applicable, contribute to sustainable development. Provided that a thesis project meets these requirements, and under the condition that competent guidance/supervision is available to the student throughout the thesis project period, the project may be carried out either in an academic environment (university, research institute, or equivalent) or in an industrial setting (power plant, energy consulting agency, or other industry/business).

## Language of instruction

Language of instruction is specified in the course offering information in the course and programme directory.

## Eligibility

## Literature

## Examination

- XUPP - Examination Question, 30.0 credits, grading scale: A, B, C, D, E, FX, F

Written report (XUPP; 30hp)

Assessment:

- Oral presentation
- Written reports at 1/3, 2/3 and final phases (XUPP; 30hp).
- Normally perform peer review either via critiquing a fellow student's written report or oral presentation (opposition)

## Requirements for final grade

Written report (XUPP; 30hp)

Assessment:

- Oral presentation
- Written reports at 1/3, 2/3 and final phases (XUPP; 30hp).
- Normally perform peer review either via critiquing a fellow student's written report or oral presentation (opposition)