Programme syllabus

Master's Programme, Project Management and Operational Development, 60 credits
Magisterprogram, projektledning och verksamhetsutveckling 60.0 credits

Valid for students admitted to the education from autumn 12 (HT - Autumn term; VT - Spring term).

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

Programme objectives

In addition to the goals that are specified in the decree by the National Agency for Higher Education there are specific goals for this programme. The participant examined from this programme should;

Knowledge and understanding

- Show knowledge and understanding for the assurance and control of quality in project management. This comprises application of the American, but in the world recognised standard ANSI 99 – 001 – 2000 as well as the international standard ISO 10006, both of which aims at quality control of project management
- Show knowledge about how variation and risk affects the project planning

Skills and abilities

- Function as a project manager even in large projects
- Develop the project management team
- Use the tools necessary for planning and executing projects
- Design stochastic models for simulating risks processes and project execution
- Take the responsibility as a sponsor for more than one project by having proven tools for follow-ups and a management system that really works
- Develop and implement the management system that serves its purpose
- Develop risk analysis with models suited for the purpose
- Act as project risk manager and company risk manager

Ability to make judgements and adopt a standpoint
• Show awareness about standards as ISO and ANSI and how they will give clear criteria to evaluate planning and performance of projects

KTH local examination instructions are to be found in the KTH Management System, www.kth.se

**Extent and content of the programme**

The education comprises 1 year of full time studies equal to 60 ECTS credits.

Main part of the education is on advanced level.

The courses are given only in English.

**Eligibility and selection**

To be eligible to the programme the applicant must have at least a 3-year complete academic exam at BSc or BA level from a recognised university. The study courses are all but the two Project Management study courses, on advanced level.

This implies the applicant must have profound knowledge in Mathematical Statistics, Quality Control and Management. This could be either by academic training and courses or from practical experience.

The eligibility is not fulfilled if:

1. The University or University College in the native country of the applicant does not fulfil the requirements for giving the exam
2. The exam does not give eligibility to Master studies in the applicants native country

The admission is based on the following criteria:

1. The standard of the university for the BSc or BA
2. Level of education
3. Grading and results in the exam
4. Work experience relevant for the program

**Implementation of the education**

**Structure of the education**

All the six study courses comprise each one 7.5 ECTS. The two tracks of the education are executed in parallel. The two tracks of the programme could be studied independently and it is irrelevant which track is taken first. The degree project can start when 4 out of 6 study courses are reported as completed.

**Track 1**

Project Management (15 ECTS), Leadership for Operational Development (7.5 ECTS)
Track 2
Practical Statistics (7.5 ECTS), Advanced Risk Management (7.5 ECTS), Organisation and Management System (7.5 ECTS),

Followed by Degree Project (15 ECTS)

Courses
The programme is course-based. Lists of courses are included in appendix 1.

Grading system
Courses in the first and the second cycle are graded on a scale from A to F. A-E are passing grades, A is the highest grade. The grades pass (P) and fail (F) are used for courses under certain circumstances.

Conditions for participation in the programme
When the programme starts in late August the accepted students on the program should register for the next term at the roll call. At the same time a choice of which study courses that should be taken during the term must be made.
Next study course could be started even if the earlier are not passed. The only restriction is the degree project, where at least 4 out of 6 study courses must be closed and passed.

Study course registration
Since the courses can be taken individually the registration for each course is obligatory at starting date of the study course in question.

Recognition of previous academic studies
Courses taken after the 3 year basic academic degree could, if they cover the same area or an adjacent, relevant area, be recognised as part of the master’s degree. The student will have to apply for this.

Studies abroad
The master degree has no parts that preferably can be studied at any other university in Sweden or abroad. Since using, though, a web-based communication tool, some, but not all, of the work can be performed at any location in the world with access to www.

Degree project
The degree project should be performed to show that the student has grasped the ideas of the master’s degree. This means that the scope of the project should be within the areas of the study courses in the program. Detailed list of possible areas will be presented as part of the documentation at programme start. The choice of the degree project topic should be done jointly with the programme administrator. The degree project will be graded in the same way as the courses; A – E. Failure will not exist since the degree report will be returned to the student for complementing it until it is passed.
Degree

To get the final Master Diploma, all study courses should be completed and passed. The thesis report should be passed. 
The degree title is Degree of Master (1 year) in Project Management and Operational Development.

Appendix 1 - Course list
Appendix 2 - Programme syllabus descriptions
Appendix 1: Course list

Master's Programme, Project Management and Operational Development, 60 credits (TPLVM), Programme syllabus for studies starting in autumn 2012

General courses

Year 1

Mandatory courses (60.0 Credits)

<table>
<thead>
<tr>
<th>Course code</th>
<th>Course name</th>
<th>Credits Edu. level</th>
</tr>
</thead>
<tbody>
<tr>
<td>HM2003</td>
<td>Leadership for Operational Development</td>
<td>7.5 hp  Second cycle</td>
</tr>
<tr>
<td>HM2004</td>
<td>Practical Statistics</td>
<td>7.5 hp  Second cycle</td>
</tr>
<tr>
<td>HM2005</td>
<td>The Organisation and the Management System</td>
<td>7.5 hp  Second cycle</td>
</tr>
<tr>
<td>HM2006</td>
<td>Advanced Risk Management</td>
<td>7.5 hp  Second cycle</td>
</tr>
<tr>
<td>HM200X</td>
<td>Degree Project in Project Management and Operational Development</td>
<td>15.0 hp Second cycle</td>
</tr>
<tr>
<td>ML2106</td>
<td>Project Management</td>
<td>15.0 hp Second cycle</td>
</tr>
</tbody>
</table>
Appendix 2: Specialisations

Master's Programme, Project Management and Operational Development, 60 credits (TPLVM), Programme syllabus for studies starting in autumn 2012

This programme has no specialisations.