Programme syllabus

Master's Programme, Land Management, 120 credits
Masterprogram, fastighetsvetenskap
120.0 credits

Valid for students admitted to the education from autumn 08 (HT - Autumn term; VT - Spring term).

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

Programme objectives

The programme shall give enough competence for analysis and solving of complex problems within “land management and cadastre” with special emphasis on “land tenure rights”. The students shall also learn valuation with emphasis on real property valuation for taxation purposes and its connection to cadastre systems. To reach this goal, the teaching shall give the students knowledge of fundamental property formation methods and systems with connection to juridical, economical and also to technical property register systems. Emphasis will also be put on the ability to integrate real estate planning with detail planning, environment, sustainable development and social and economical responsibilities.

Knowledge and understanding

In contemporary time, one great challenge is related to the creation of private rights to land and buildings in former socialistic countries. To facilitate the transition, UN, World Bank, Sida and others works with projects in many countries around the world. Sida has, in order to support these privatisation processes, among other things decided to finance KTH’s Land Management programme.

Skills and abilities

The idea is to educate people working at authorities within the land management and cadastre sphere in the concerned countries. Another prioritised group is teachers at universities within the surveying and land administration field.

Ability to make judgements and adopt a standpoint

The students will, after the studies at KTH, be able to introduce modern knowledge and thinking in their workplaces an in the educational programmes at their universities. Many students have also continued with PhD-studies, normally in their home countries.

Extent and content of the programme

The duration of the programme is two years; three semesters of course work (90 credits) and one semester (30 credits) of Master's project. The literature and all other course material is in English, which also is the teaching language. All courses are in principal mandatory.

Eligibility and selection

The general admission requirements are the same for all programmes: http://www.kth.se/studies/master/application?l=en The basic eligibility for Master’s programme at KTH is a completed Bachelor's degree, equivalent to a Swedish Bachelor's degree (180 credits), from a university recognised by government or accredited by a recognised organisation. Bachelor in Land Surveying, Land Administration, Jurisprudence, Economy or Computer Science or corresponding qualifications. Applicants with bachelor (or equivalent exam) in Economics or Computer Science can only be accepted if they have at least two years of work experience within the field of land management. Sida decides
from which countries we may take students and this varies a bit from year to year. At the moment, the only eligible applicants are students living in: Armenia, Bosnia-Herzegovina, Ethiopia (Amhara Region), Georgia, Kenya, Kosovo, Kyrgyz Republic, Macedonia, Moldova, Russia, Serbia, Tanzania, Tajikistan, Uganda and Ukraine. Selected students will be required to sign a three years contract with the nominating organisation, pledging themselves to work at the organisation with implementing and development of the cadastral and land management system or as teachers at their home universities in order to build up real estate and land tenure studies there. The students are selected on the bases of tests and personal interviews taking place in their respective home countries. Between mid-January and April/May, staff from KTH will visit all the countries in the programme to test and interview students who have applied for the programme. The tests are to ensure that students know English well enough. The personal interview following the test is to ensure that the student is working in the field of land management and is aware of the tenure concept. In May, the LM-Programme Management at KTH will make a final selection. Thereafter, an "Admission Letter" as well as additional practical information concerning the studies in the LM-programme will be sent out to these students. Unsuccessful applicants, who have not been selected to the programme, will also be notified of the LM-Programme Management’s decision.

**Implementation of the education**

**Structure of the education**

The duration of the programme is two years; three semesters of course work and one semester of Master's project. The course work is located to KTH and the one semester for Degree project is located to the student’s home countries. The first and third semesters starts in the very beginning of September and the second semester ends in the very end of May. The fourth semester, the Master’s thesis project, is carried out in the student’s home countries, and is therefore more flexible in time.

**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**

To be enrolled in the programme, you must be duly accepted into the programme with a valid admission letter issued by KTH Central Admissions Office. You must also pay your Student Union dues at the start of each semester in order to enrol in the programme. In addition to signing an attendance list at the beginning of a course, participation in class exercises and projects are a compulsory part of enrolling in any course.

The prerequisite for starting the Degree Project is completed courses corresponding to 60 credits. The literature and seminar-questions for the first course “Land Policy” will be sent to the students before arrival in Stockholm. Reading of the literature is mandatory and answers to the adherent seminar-questions must also be carefully prepared before arrival in Sweden. To be promoted to the second and third semester you must have completed 50% of the course-credits of the first and second semester respectively. The prerequisite for starting the Degree Project is completed courses corresponding to 60 credits.

**Recognition of previous academic studies**

Brief description of the conditions of receiving credit for previous studies according to the policy of the Royal Institute of Technology.

**Studies abroad**

There are at present not possible for Master’s students at the school of Architecture and the Build Environment to exchange semester one, two or three for studies abroad.
Degree project

The Degree project shall be written within some of the following disciplines:

- Real Estate Planning
- Land Law
- Building and Real Estate Economics
- Geoinformatics

The purpose of the Degree project is to give the students academic training in the independent production of a scientific work on some aspect of real estate and tenure studies, and in producing written material on conditions in their home countries. The Degree project should constitute an independent investigation. It has to somewhat deal with the latest in the area, which requires a considerable amount of reading, and a thorough literature review. The work has to be a direct application of the knowledge and skills assimilated by the student during the studies in the programme. The Degree project has to contain the appropriate theories, methods, the student's own analysis and systematic problem solving. The Degree project work is an individual work and is also aimed at giving the student the skills in how to independently structure, plan and carry out a big project. Apart from writing a report, the student is also expected to hold an oral presentation, which gives the student the opportunity to convey the message to the public, and practice presentation technique.

During the second semester the students will be assigned a supervisor (and examiner) at KTH, and also be expected to present a synopsis of their final project. After the third semester, the students will return to their home countries to continue to write their project report. Later on, when the Degree project is almost finished, the student will return to KTH for a month to do the final work and present the Degree project. After the third semester, the time-schedule for the Degree project work is individual and depending on the students own situation. If the project is performed parallel to a full-time employment it may, naturally, take longer time to finish it compared with if the focus is on the project only. However, to be sure to obtain the Sida-scholarship also for this final work and presentation month in Sweden, the project has to be presented within one and a half year after the end of the third semester.

Degree

Students who have successfully completed the programme will be awarded a "Teknologie masterexamen", translated into English as "Degree of Master of Science (two years)". Please note that this degree do not correspond to the Swedish degree "Civilingenjör".

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

Master's Programme, Land Management, 120 credits (TLMAM), Programme syllabus for studies starting in autumn 2008

### General courses

#### Year 1

**Mandatory courses (61.5 credits)**

<table>
<thead>
<tr>
<th>Course code</th>
<th>Course name</th>
<th>Credits</th>
<th>Edu. level</th>
</tr>
</thead>
<tbody>
<tr>
<td>AI2101</td>
<td>Real Estate Valuation</td>
<td>7.5</td>
<td>Second cycle</td>
</tr>
<tr>
<td>AI2112</td>
<td>Economics</td>
<td>4.5</td>
<td>Second cycle</td>
</tr>
<tr>
<td>AI2113</td>
<td>Real Estate Investment Analysis</td>
<td>4.5</td>
<td>Second cycle</td>
</tr>
<tr>
<td>AI2701</td>
<td>Land Policy</td>
<td>3.0</td>
<td>Second cycle</td>
</tr>
<tr>
<td>AI2702</td>
<td>Property Formation and Cadastre Mapping</td>
<td>9.0</td>
<td>Second cycle</td>
</tr>
<tr>
<td>AI2703</td>
<td>Property Transactions</td>
<td>9.0</td>
<td>Second cycle</td>
</tr>
<tr>
<td>AI2704</td>
<td>Urban Land Development</td>
<td>5.0</td>
<td>Second cycle</td>
</tr>
<tr>
<td>AI2705</td>
<td>Comparative Law</td>
<td>4.0</td>
<td>Second cycle</td>
</tr>
<tr>
<td>AI2706</td>
<td>Development of Property Rights I</td>
<td>7.5</td>
<td>Second cycle</td>
</tr>
<tr>
<td>AI2711</td>
<td>Theory of Science and Research Methodology</td>
<td>7.5</td>
<td>Second cycle</td>
</tr>
</tbody>
</table>

#### Year 2

**Mandatory courses (118.5 credits)**

<table>
<thead>
<tr>
<th>Course code</th>
<th>Course name</th>
<th>Credits</th>
<th>Edu. level</th>
</tr>
</thead>
<tbody>
<tr>
<td>AG2420</td>
<td>Mass Valuation with GIS</td>
<td>7.5</td>
<td>Second cycle</td>
</tr>
<tr>
<td>AG242X</td>
<td>Degree Project in Geoinformatics, Second Cycle</td>
<td>30.0</td>
<td>Second cycle</td>
</tr>
<tr>
<td>AI201X</td>
<td>Degree Project in Building and Real Estate Economics, Second Cycle</td>
<td>30.0</td>
<td>Second cycle</td>
</tr>
<tr>
<td>AI250X</td>
<td>Degree Project in Real Estate Planning, Second Cycle</td>
<td>30.0</td>
<td>Second cycle</td>
</tr>
<tr>
<td>AI2707</td>
<td>Compulsory Purchases</td>
<td>4.0</td>
<td>Second cycle</td>
</tr>
<tr>
<td>AI2708</td>
<td>Development of Property Rights II</td>
<td>8.0</td>
<td>Second cycle</td>
</tr>
<tr>
<td>Course code</td>
<td>Course name</td>
<td>Credits</td>
<td>Edu. level</td>
</tr>
<tr>
<td>-------------</td>
<td>------------------------------</td>
<td>---------</td>
<td>--------------</td>
</tr>
<tr>
<td>AI2709</td>
<td>Land Information Systems</td>
<td>9.0</td>
<td>Second cycle</td>
</tr>
</tbody>
</table>

Appendix 2: Specialisations

Master's Programme, Land Management, 120 credits (TLMAM), Programme syllabus for studies starting in autumn 2008

This programme has no specialisations.