Tuition fees – challenges for land surveying education in Sweden

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Reasons for introduction

• Increased number of foreign students
  – Prior to the autumn term of 2009 -120 000 applications
  – Last decade a number of foreign students tripled to 36000 in 2008/2009

• Increased costs for the government

• Competition with other universities based on quality of education

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Tuition fees in Sweden

- By the government bill (2009/10:65)
- As of the autumn term 2011
- For BSc and MSc students (PhD is free of charge)
- Exception for students from EU/EEA states and Switzerland
- 12 000-24 000 € annually depending on educational programs

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Scholarship programs

1. Countries of long-term development cooperation with Sweden:
   Bangladesh, Bolivia, Burkina Faso, Ethiopia, Cambodia, Kenya, Mali, Mozambique, Rwanda, Tanzania, Uganda and Zambia
   - Covers tuition fees and living costs

1. Other countries outside the EU/EEA
   - Covers tuition fees only

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Effects of tuition fees

- A sharp decrease of students
  - Students outside EU/EES from 16000-1200
- Risk for shortage of qualified labour for industry
  - A large retirement and aging of population
- Abolishment of range of educational programs
- Increased direct and indirect costs for managing tuition-fee students
- More engaged students

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Number of applicants
MSc programs in Sweden

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<tr>
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<tbody>
<tr>
<td>Number of applicants</td>
<td>54 200</td>
<td>78 800</td>
<td>94 400</td>
<td>17 500</td>
</tr>
<tr>
<td>Of them liable for tuition fee</td>
<td>n/a</td>
<td>n/a</td>
<td>n/a</td>
<td>8300</td>
</tr>
<tr>
<td>Women, %</td>
<td>23</td>
<td>23</td>
<td>25</td>
<td>43/35</td>
</tr>
<tr>
<td>Men, %</td>
<td>77</td>
<td>77</td>
<td>75</td>
<td>57/655</td>
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MSc programme
Real estate development and financial services

Facing challenges of tuition fees

- Recruitment and marketing
- Curricula modernisation
Recruitment and marketing

- Well-balanced national recruitment strategy
- Education agents in countries (similar size countries are preferable)
- Educational fairs
- Social media with personal experience, alumni, info in national languages
- International cooperation is a merit
- Students’ reception, accommodation, visa and financial arrangement

Curricula modernisation

Real estate development and financial services

MSc Specializations (enrollment the autumn term of 2011)

- Building and real estate economics
- Real estate development and land law
- Architectural design and construction management
- Financial services
- Real estate management
### Real estate development and land law
(2011/2013)

<table>
<thead>
<tr>
<th>Mandatory courses</th>
<th>Conditionally elective &amp; recommended courses</th>
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<tbody>
<tr>
<td>- Law of real estate formation</td>
<td>- Real estate market analysis &amp; development</td>
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<tr>
<td>- Law of planning, construction &amp; infrastructure (15 ECTS)</td>
<td>- Real estate valuation in an international context</td>
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<tr>
<td>- Compulsory purchase &amp; compensation</td>
<td>- Law &amp; economics for land use topics</td>
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<tr>
<td>- Land development (15 ECTS)</td>
<td>- Management &amp; leadership</td>
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<tr>
<td>- Theory of science and research methods</td>
<td>- Advanced issues in real estate development and financial services</td>
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### Real estate and construction: economics, law and management
2013/2015

<table>
<thead>
<tr>
<th>Common recommended courses</th>
<th>Conditionally elective courses</th>
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</thead>
<tbody>
<tr>
<td>- Project communication (CM)</td>
<td>- Real estate economy 10 courses</td>
</tr>
<tr>
<td>- Quantitative methods (E)</td>
<td>- Construction management 6 courses</td>
</tr>
<tr>
<td>- Urban land development (L)</td>
<td>- Real estate law 9 courses</td>
</tr>
<tr>
<td>- Real estate market analysis &amp; development (E)</td>
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<tr>
<td>- Theory of science and research methods</td>
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</tbody>
</table>
Students BSc background

- Civil engineering
- Real estate economics
- Construction and real estate management
- Surveying
- Geomatics
- Planning
- Architecture
- Finances
- Law

Potential problems and trends

- Increasing number of courses
- Obsession with research
  - 70000 annually vs 13757 in 1959
- Increased costs (trebled in past three decades)
- Splitting of university functions:
  publishing, mentors for exercises, on-line teaching for large audience, teachers for course design and tests