Programme syllabus

Master's Programme, Photonics, 120 credits
Masterprogram, fotonik
120.0 credits

Valid for students admitted to the education from autumn 07 (HT - Autumn term; VT - Spring term).

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

Programme objectives

Knowledge and understanding

Skills and abilities

Ability to make judgements and adopt a standpoint

Extent and content of the programme

Eligibility and selection

Implementation of the education

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.

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

Master's Programme, Photonics, 120 credits (TPHOM), Programme syllabus for studies starting in autumn 2007

### General courses

#### Year 1

**Optional courses**

<table>
<thead>
<tr>
<th>Course code</th>
<th>Course name</th>
<th>Credits</th>
<th>Edu. level</th>
</tr>
</thead>
<tbody>
<tr>
<td>IO2659</td>
<td>Laser Engineering</td>
<td>7.5 hp</td>
<td>Second cycle</td>
</tr>
</tbody>
</table>

#### Year 2

**Conditionally elective courses**

<table>
<thead>
<tr>
<th>Course code</th>
<th>Course name</th>
<th>Credits</th>
<th>Edu. level</th>
</tr>
</thead>
<tbody>
<tr>
<td>IH2653</td>
<td>Simulation of Semiconductor Devices</td>
<td>7.5 hp</td>
<td>Second cycle</td>
</tr>
<tr>
<td>IH2656</td>
<td>Advanced Semiconductor Materials</td>
<td>7.5 hp</td>
<td>Second cycle</td>
</tr>
<tr>
<td>IM2653</td>
<td>Molecular Electronics</td>
<td>7.5 hp</td>
<td>Second cycle</td>
</tr>
<tr>
<td>IO2654</td>
<td>Optical Networking</td>
<td>7.5 hp</td>
<td>Second cycle</td>
</tr>
<tr>
<td>IO2657</td>
<td>Photonics Laboratory, Photonics Extended Course</td>
<td>4.5 hp</td>
<td>Second cycle</td>
</tr>
<tr>
<td>IT2651</td>
<td>Microwave Engineering</td>
<td>7.5 hp</td>
<td>Second cycle</td>
</tr>
<tr>
<td>SK2350</td>
<td>Optical Measurement Techniques</td>
<td>6.0 hp</td>
<td>Second cycle</td>
</tr>
</tbody>
</table>
Appendix 2: Specialisations

Master's Programme, Photonics, 120 credits (TPHOM), Programme syllabus for studies starting in autumn 2007

This programme has no specialisations.