Programme syllabus

An accessible version of the syllabus can be found in the Course and programme directory.

Master's Programme, Photonics
120 credits

Masterprogram, fotonik

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 (TPHOM)

General courses

Year 1

Optional courses

<table>
<thead>
<tr>
<th>Code</th>
<th>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>Code</th>
<th>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 (TPHOM)

This programme has no specialisations.