Life Long Learning – an overview

Anders Johansson, coordinator LLL at KTH
Lina Bertling Tjernberg, coordinator LLL at EECS lla@eeecs.kth.se

Key messages:

➢ KTH overall goal of 20%
➢ LLL courses: results Autumn 21 and call Spring 22

May 6th, 2021 – EECS information meeting
Lifelong learning, mission and opportunity at KTH

• Mission assignments for KTH Schools per 2021 (VP2021)
  – 20% of educational volume should be within lifelong learning by 2023
  – Increased resources on KTH schools, lifelong learning coordinators in all schools

• Appropriation funded continuous education for professionals
  – Adaptation of offer and format from current and new courses

• Commissioned education
  – Common working methods and processes for all KTH
  – Common calculation model for pricing for all KTH (market adaptation, predictability)
  – Standardized contract templates etc for all KTH
  – Increased central support to support schools and companies (clients)
LLL/EECS – continuing professional education

Process for Continuing professional education (FoV)

• Call for proposals for courses 2 times / year - open call deadline 1/6
• Establishment of course
• Determination of course syllabus Curriculum Review Committee
• Application and approval of courses according to schedule
• Searchable at: www.kth.se/utbildning/kurser/fovkurser
• Admission notice refers to "New at KTH" at www.kth.se .
• Result reporting
• Study guidance, study breaks, etc.
LLL/EECS – contract education

Process for contract education:

• Contract education is offered due to an established agreement with a company or other authority and does not follow the annual cycle of first and second cycle education.

• A course syllabus must be established and a course offering must be approved similar to other education.

• It can be established throughout the year.

• The funding form is regulated via an agreement.
<table>
<thead>
<tr>
<th>Code</th>
<th>Name</th>
<th>Credits</th>
<th>Topic</th>
<th>No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>EG110V</td>
<td>Sustainable Electric Power Systems</td>
<td>7.5</td>
<td>EE</td>
<td>33</td>
</tr>
<tr>
<td>EG111V</td>
<td>Introduction to SEPS</td>
<td>3</td>
<td>EE</td>
<td>28</td>
</tr>
<tr>
<td>ID129V</td>
<td>Software Evolution and Maintenance</td>
<td>7.5</td>
<td>CS</td>
<td>18</td>
</tr>
<tr>
<td>DD100N</td>
<td>Programming Techniques</td>
<td>6</td>
<td>CS</td>
<td>290</td>
</tr>
<tr>
<td>EF2240</td>
<td>Space Physics</td>
<td>6</td>
<td>EE</td>
<td>14</td>
</tr>
<tr>
<td>IK2510</td>
<td>Wireless Networks</td>
<td>6</td>
<td>CS</td>
<td>31</td>
</tr>
<tr>
<td>IL2237</td>
<td>Electronic Systems Design</td>
<td>7.5</td>
<td>EE</td>
<td>35</td>
</tr>
<tr>
<td>IL1333</td>
<td>Hardware Security</td>
<td>7.5</td>
<td>EE</td>
<td>35</td>
</tr>
<tr>
<td>EP270U</td>
<td>Internet of Things</td>
<td>3</td>
<td>CS</td>
<td>60</td>
</tr>
<tr>
<td>EP274U</td>
<td>Ethical hacking I</td>
<td>3.5</td>
<td>CS</td>
<td>162</td>
</tr>
<tr>
<td>EP275U</td>
<td>Ethical hacking II</td>
<td>4</td>
<td>CS</td>
<td>110</td>
</tr>
<tr>
<td>EP279U</td>
<td>Cyber Security Analysis</td>
<td>3</td>
<td>CS</td>
<td>103</td>
</tr>
</tbody>
</table>

EECS

✓ HT21

✓ Total: 64.5
Examples of contract courses including pilots:

- Cyber security (Försvarsmakten/Gunnar Karlsson)
- Ericsson Radio school (Ericsson/Claes Beckman)
- Data Science Micro Degree Program (Ericsson/Carlo Fischione)
- Digitalisation, working environment productivity (SKL/Jan Gulliksen)
- KTH Industrial partnerships
  - Sustainable transportation system (Scania, Johanna Strömgren ITM)
- Other examples (welcome to send to lla@eecs.kthse)