Master kick-off 2018: Master Electrical Engineering

August 28th, 2018

Dr. Sonia Gomez (EE Education Policy Advisor)
Program

- Professional development in the master
- Mentor system
- Diagnostic Tests
- Skills lab
Pay attention to:

- Broad preparation for the real life work: industry, as a researcher, as an engineer, as a designer, etc.
  - Manage projects
  - Multidisciplinary teams

- Knowledge is important but also skills
  - To communicate
  - To work with teams of experts
### Professional development (5 ECTS)

<table>
<thead>
<tr>
<th>Course name &amp; code</th>
<th>ECTS/Planning (Q)</th>
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<tbody>
<tr>
<td>5CKB0 Project management</td>
<td>2.5 2-4</td>
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<tr>
<td>5CKF0 Research set-up</td>
<td>2.5 1-3/Y2</td>
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Diagnostic tests for Professional Skills

- Broad Test on Skills (SKL00)
- Teamwork Skills (SKL10)
- Presentation Skills (SKL20)
- Academic Writing Skills (SKL30)

Diagnostic tests are input for Personal Development Plan (PDP)
- Own responsibility of students
- Skillslab workshops/training

Own students’ responsibility - Compulsory!
OER Art. 3.4.
Automatically registered in OSIRIS

https://skills-assessment.tue.nl/
Dear Master's Student,

This week you have started your TU/e Master’s program. Two years from now you will move on to the next step. Today’s companies and other employers ask more and more of their future employees. Bringing your degree and knowledge to the table may not be sufficient to get the position you are dreaming of. You need to be able to present yourself and adopt an entrepreneurial attitude towards your work and your life.

Therefore, TU/e offers you TU/e SkillsLab (educationguide.tue.nl/skillslab). With TU/e SkillsLab you can take online assessments on professional skills and find content and tools to develop the skills that you need, to get the job that you want.

Every Master’s student is required to take the Broad Diagnostic Test of Professional Skills (educationguide.tue.nl/skills-assessment) in the first quartile of enrolment. This test helps you to determine your level for various professional skills. Moreover, a tool is offered that helps you create your own Personal Skills Development Plan. You will discuss this plan with your mentor.

Please go the Broad Diagnostic Test of Professional Skills (educationguide.tue.nl/skills-assessment) and login with your TU/e account.

Have a great start of the year and good luck,

On behalf of your Graduate Program Director,
The TU/e SkillsLab team
TU/e SkillsLab

Your skills, your future.
P.S. Do you have feedback on TU/e SkillsLab or the Broad Diagnostic Test of Professional Skills? Please let us know by replying to this email.
Competency Test (CT)

I take initiative to implement plans
(almost) never rarely

I take the organization’s interests and objectives into account in my work
(almost) never rarely

I meet deadlines by working in a structured and systematic manner
(almost) never rarely

I make sure that I use proper grammar and make no mistakes in my e-mails
(almost) never rarely

I show an interest in the ideas and opinions of others

The selection of these 13 competences has been based on a variety of input, from major employers for TU/e graduates, to the TU/e Academic Competencies and Quality Assurance or ACQA.
Your Presentation Skills level

Based on your Self Assessment your current level on Presentation Skills is: level 3

Your presentations are OK, and they are probably very typical of average presenters. The impression you leave is not good or bad. The message you want to convey is clear and structured. You probably use some examples in your presentation that relate to your audience and you rarely demonstrate your nervousness during the presentation. However, there is still room for improvement. Below you can read your score per criterion and what you can do to become a better presenter.

Your level for each sub-skill

Based on your Self Assessment your current level on

- 1. Introduction Presentation Skills is:

- 2. Preparation is: level 4

You prepare your presentation very well. Preparation is the key to a successful presentation, so keep up the good work! Preparation is the key to a successful presentation and you seem to understand that. Curious how to prepare even better, for example what presentation method to use?
7 Summary

Below you can summarize your plans, using the answers you gave above.

In the next two years, I will focus on developing

I will do this by focusing on

need:

I will arrange this in the following way:

I will work on this at the following times:

And I will review the situation and demonstrate that I have developed by

In order to remain motivated, I will:

For this, I will ask to help me, by
Mentors’ role & tasks

- Mentors:
  - Supervises the student in: (MSc. OER 3.5. lid 2)
    - Making choices of specialized elective study components & gives advice
    - Developing rest of study program/Personal Development Plan (PDP)
    - Discussing results of Professional Skills diagnostic test(s) (Article 3.4.4) and PDP he/she has developed advice to follow PDP training
Mentors in EE Research groups

<table>
<thead>
<tr>
<th>Group</th>
<th>Mentor</th>
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<tbody>
<tr>
<td>SPS</td>
<td>Chiara Rabotti</td>
</tr>
<tr>
<td>ECO</td>
<td>Oded Raz</td>
</tr>
<tr>
<td>ES</td>
<td>Marc Geilen</td>
</tr>
<tr>
<td>CS</td>
<td>Siep Weiland</td>
</tr>
<tr>
<td>MsM</td>
<td>Marion Matters</td>
</tr>
<tr>
<td>PHI</td>
<td>Erwin Bente</td>
</tr>
<tr>
<td>EPE</td>
<td>Nailia Nasibulina</td>
</tr>
<tr>
<td>EES</td>
<td>Nikolaos Paterakis</td>
</tr>
<tr>
<td>EM</td>
<td>Bas de Hon</td>
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Timeline

6 weeks from start (Deadline Registration courses Q2 – October 15th, 2018)

Selection specialization & electives courses

First meeting(s) organized by student

Link mentor-student

Students’ responsibility

Study program

Form + mentor advice

Before meeting with student ask for Diagnostic tests

PDP

Bring Form Scientific code to sign

Mentor-student

Students plan further meetings (if needed)
SkillsLab – online platform for skills development

Students' own self-development responsibility

https://studiegids.tue.nl/opleidingen/graduate-school/coaching-and-professional-skills/tue-diagnostic-test-of-professional-skills/
Students are in charge of own professional skills development during the master!!!

Discuss results with your mentor but development and improvement is up to you:
* Follow Skillslab & PDP workshops/training
* Consult Skillslab platform
* Ask for peers for feedback/support
* Etc…