



## Course analysis template

After the course has ended, the course leader fills in this template. This is an important part of the quality assurance of the programme. The programme director decides whether the template should be supplemented with further information/questions.

<b>Course code</b> 5HI019	<b>Course title</b> User Needs, Requirements Engineering and Evaluation	<b>Credits</b> 10 HP
<b>Semester</b> VT2021	<b>Period</b> 2022-01-17- 2022-03-20	

<b>Course leader</b> Nadia Davoody	<b>Examiner</b> Sabine Koch
<b>Other participating teachers</b> Vasilis Hervatis, Sabine Koch, Aboozar Eghdam, Anders Thelemyr, Richard Whitehand	<b>Other participating teachers</b>

<b>Number of registered students</b> 41	<b>Number passed after regular session</b> 19	<b>Response rate for course survey (%)</b> 46.34%
<b>Methods for student influence other than course survey</b> The course consists of three moments/blocks. Throughout the whole course the students were asked to provide feedback about the seminars and different parts of the course.		

### Note that...

This analysis shall (together with a summary of the quantitative results of the students' course survey) be submitted to the LIME educational committee.

This analysis has been submitted to the LIME educational committee on this date:

## 1. Description of any implemented changes since the previous course based on previous students' comments

Based on the previous students' comments we helped the groups more in handling the conflicts in the groups. Several meetings were arranged with the groups that had problems with some of the other members. In addition, the course leader was clearer regarding e.g., deadlines as some of the comments were regarding the course leader being too open to the deadlines or the length of assignments. The materials and course literature were updated. Collaboration with a new company was established. This year the students could even work with a real prototype.



## 2. A brief summary of the students' evaluations of the course

(Based on the students' quantitative answers to the course evaluation and comments. Quantitative compilation and possible graphs attached.)

Unfortunately, less than 50% of the students filled the survey. However, the students appeared overall satisfied with the course. Majority of the students who filled the survey expressed that they have gained valuable expertise/skills during the course and achieved all the intended learning outcomes *to some or large extent*. Most of the students agreed that there has been a common theme running throughout the course (*to some extent* 8 (42,1%) and *to a large extent* 8 (42,1%), *to a very large extent* 3 (15,8%)). In addition, most of the students experienced that the course has promoted a scientific way of thinking and reasoning (*to some extent* 9 (47,4%) and *to a large extent* 8 (42,1%)). Majority of the students who filled the survey experienced that the teachers were open to ideas and opinion about the course's structure and content (*to some extent* 6 (31,6%) and *to a large extent* 11(57%)). They were even satisfied with the way the teaching was based on real examples to develop students' professional knowledge (*to some extent* 7 (36,8%), *to a large extent* 8 (42,1%), and *to a very large extent* 4 (21,1%)). The course was challenging *to some extent* for some students 8 (42,1%) and *to a large extent* 7 (36,8%).

The students liked the way the course was organized. They were satisfied with the group works and brainstorming with different students of various backgrounds. They felt that it has been useful as they study the problem from different perspectives. The guest lecturers and experts from different companies were appreciated by the students. They believed that lectures from the experts were interesting and brought valuable insights. The students appreciated the discussions and real-life examples. They were satisfied with the course structure, the literature and the teachers' attitude throughout the whole course.

Some of the students, however, were not satisfied with their groups and wished that the course leader assigned the groups as some students tend to work with each other in different courses. Some of the students were not satisfied with some of the literature in the course. They indicated that some materials were old.

This year alike previous year, more clarification about the assignments and more practical workshops were needed. Some of the students suggest the use of multi-language app including English for the assignments. Unfortunately, the application that we worked with this year was only developed in Swedish. The company was not done with the translation of different parts of the application. This made it difficult for non-Swedish speaking students to work with application.

Some of the students complained about online fatigue as the course was given distance due to the restrictions and resulted in several hours online teaching. Some of the students felt that there are a lot of literature mentioned in the course page and that time for the exam was not enough as they need to provide references for their answers. Conflicts in groups were also mentioned of some students.



### **3. The course-responsible reflection on the course implementation and results**

This was the second time that the course was given online. Giving the course completely online was challenging as the course consists of some practical sessions.

#### ***Course strengths:***

- Overall course organisation and feedback from the teachers
- Guest (external) lectures and experts from different companies
- Group works and learning from each other

#### ***Course weaknesses:***

- The use of Swedish application
- Some challenges in the groups
- More clarification about the assignment and the exam

### **3. Other comments**

This year alike last year, we had to run the course totally online due to the Covid-19 pandemic. This made the collaboration within the groups difficult. In addition, it was difficult to make the sessions as interactive as before. Some students suffered from Zoom fatigue as we had several hours of online teaching every day.

### **4. The course-responsible conclusions and any proposals for changes**

(If any changes are proposed, please specify who is responsible for implementing these and a time schedule.)

Based on the feedback from the students, we will update/remove some of the materials in the course. The course leader will give more clear instruction about working in groups and will help the students even more in handling the conflicts within the groups. We will have applications that are in English or have multi-language options so all students can use the application without any problems.