Course analysis HT23-5HI000

After the course has ended, the course leader fills in this template.

Course code 5HI000	Course title **Health informatics – needs, objectives and limitations**	Credits **5**
Semester **1**	Period	

Course leader **Sabine Koch**	Examiner **Sabine Koch**
Other participating teachers **Stefano Bonacina, Chen Hsi Tsai**	Other participating teachers ***Several guest lecturers and alumni***

Number of registered students 44	Number passed after regular session **37**	Response rate for course survey (%) **70.45%**
Methods for student influence other than course survey Oral feedback and discussions with the students		
How will the results from the course analysis be communicated to students Distributed through Canvas and published on the open course pages as well as in the Canvas pages for this and upcoming instances of the course.		

1. Description of any implemented changes since the previous course

Due to long-term sickness of the regular course leader, the course leader was changed for this course instance.

Major changes were introduced to the course. Such as:

- Renewal of the course material
- Restructuring of the course so that week 1 introduces Health Informatics as a subject, week 2 gives an overview of Health Informatics at National Level and week 3 is focused on applications of Health Informatics.
- Addition of guest lecturers from the Swedish eHealth Agency, the National Board of Health and Welfare, Karolinska University Hospital and a Digital Health company.
- Addition of alumni in different HI work roles presenting their journey and current work tasks.
- Addition of a mingle with both classes (year 1 and year 2), alumni & teachers/researchers.

Changes were made to the assignments. The group assignment was changed completely, the individual assignment was mainly rephrased and grading criteria were revised.

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. Enclose results from the course evaluation)

31 out of 44 students (70.45%) have completed the course evaluation survey which should give a reliable insight into students' perception of the course. 25 students had a clinical background and 6 a technical background. Overall students were happy with the course. Results of the quantitative answers are 3.89 on average. Most questions were rated 4 or above. The statement "Course was challenging enough" got the lowest rating (3.5) with a high variation coefficient (29.8). This reflects the diversity in the group and also relates to some of the comments below.

Course strengths:

- Alumni presentations gave a good overview of different work roles in health informatics and different workplaces.
- Guest lectures
- Group workshops
- Interaction with the other students
- Teaching environment

Course weaknesses/improvement suggestions:

- Instructions for the individual assignment need improvement.
- Add study visits.
- Simplify the IT side for clinical students/many unknown concepts for some students.
- Workload too high

The course evaluation is attached.

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

43 out of 44 students participated in the examination by the end of the regular course. Results are shown in figure 1. Three students will do a re-examination, two students will do a completion of their individual assignments and one student will need to complete some mandatory parts.

The course results are as follows:

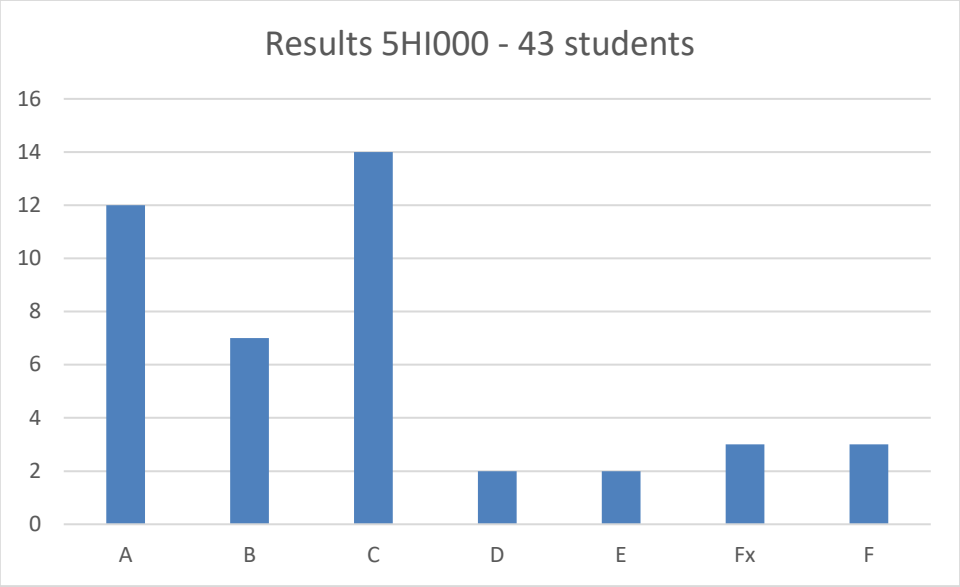

Figure 1: Course results

4. Other comments

This was an engaged and knowledgeable student group to work with and I enjoyed giving the course despite I came in as course leader on short notice.

5. 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.)

The revised course works well, and the new structure should be kept and conveyed to the next course leader. The course plan should be checked and be updated if required. The following improvements are proposed:

- Update the instructions for the individual assignment.
- Add some more, small interactive discussions using Padlet (or polls) during the lectures.
- One such discussion could be used to elicit terms/concepts that are unknown for some students who perhaps do not dare to ask otherwise. However, a better solution – that was proposed to the students already, but rejected, would be if students set up a wiki with unknown/unclear terms and faculty can provide definitions and discuss them together with students.