Mats Ericson   COURSE ANALYSIS

Dept of Ergonomics   2020-05-25

MTH/CBH/KTH

Course analysis for HN2013 & HN2025, Autumn 2019

These two courses HN2013 and HN2025 have the same course name, "Ergonomics, Human Factors & Patient Safety" but are simultaneously given to students in two different study programs (Medical Engineering HN2013 and Work and Health, HN2025).

1. **Summary of the course structure and students results**

Grades:

INL1 – Assignments – written report, 2.0 credits, grade scale: P, F

SEM1 – Seminars - active participation, 2.0 credits, grade scale: P, F

TEN1 – Written home exam, 2.0 credits, grade scale: A, B, C, D, E, FX, F (HN2013)

TEN1 – Written home exam, 3.5 credits, grade scale: A, B, C, D, E, FX, F (HN2025)

Number of students registered on course:

HN2013 – 64 students

HN2025 – 12 students

Number of students examined:

	INL1	SEM1	TEN1	Course finished
HN2013	62	58	53	51
HN2025	12	12	12	12

Course curricula

In the course 13 different lectures (2 hours each) was given on different topics. In addition to that, four seminars (4 hours each) and one Q&A seminar was given. An assignment (2 credits) of "Medical alarms" are also included in the course.

Teachers

Anna Dahlgren (AD), Doctor of Philosophy, KI
Mats Ericson (ME), Professor in Industrial Work Science, KTH
Andrea Eriksson (AE), Associate Professor in Industrial Ergonomics, KTH
Björn-Erik Erlandsson (BEE), Senior professor, KTH

Examiner

Mats Ericson (ME), Professor in Industrial Work Science, KTH

2. Summary of course evaluation

A course evaluation using KTH:s LEQ was given with six different items. For the HN2013 the response rate was 29% and for the HN2025 the response rate was 42%. The student graded their answers on a scale between 1-7:

1 = No, I strongly disagree with the statement

4 = I am neutral to the statement

7 = Yes, I strongly agree with the statement

The following questions were asked:

1. I worked with interesting issues
2. The course was challenging in a stimulating way
3. I could practice and receive feedback without being graded
4. The assessment on the course was fair and honest
5. I was able to learn by collaborating and discussing with others
6. I was able to get support if I needed it

The student grading on a scale between 1-7 were for the 6 different items:

Question no:	HN2013	HN2025
1	6,1	6,6
2	5,3	6,4
3	5,6	5,8
4	5,8	5,8
5	6,2	6,8
6	5,9	6,8

Students free text comments i very brief summary:

- The lectures were good and interesting.
- Many students liked that most of the lectures were recorded on video and possible to watch afterwards.
- The seminars (INL1) were very well liked. Mostly the fact that the students met other students perspectives in the group discussions.

- Some students thought that the volume of the literature to be read before each seminar were too big.
- Some students thought that the total volume of course literature (in the form of scientific papers) were too big.
- Some students thought that they had to put in to many hours in writing their home exam (TEN1).

3. Course analysis

The HN2013 course was given for the 9:th year, with me (ME) as course responsible, examiner and main teacher. I think that in general the course are well liked by the students but it can still be further developed to the next time.

I will consider the main findings in the course evaluation and plan for the course (both HN2013 and HN2025) that starts in august 2020 to focus on:

1. Reducing the volume of the course literatur in general, and more specifically the literature that has to be read before each seminar (SEM1).
2. Give an enhanced information about how to write an essay, both for the assignment (INL1) and for the home exam (TEN1).