

## Evaluation report Hydrogen Technology

The evaluation committee has evaluated the course Hydrogen Technology by sending an online questionnaire to 38 students. 18 students filled in the questionnaire, which gives a response of 47%.

***The overall appreciation for the course Hydrogen Technology is marked with a 5,4, which is insufficient. The learning outcome of the course was not seen as very relevant (6.0) and the students did not regard the contents of the course as interesting enough (6.7). The respondents complained about the study material (coverage of subject: 4.5, quality: 4.5) and the clearness of the requirements for the exam (4.4). The course needs special attention since only one aspect was seen as sufficient and all other aspects were valuated below 7.***

These are the main conclusions of the evaluation. The interpretation is based on the remarks of the respondents. For an overview of the results, see the graph at the end of this report.

### Recommendations by the committee:

The quality of the course should be improved. Recommendations are therefore given by the evaluation committee. The most important recommendations are:

- Give the students study material that covers the subjects of the course. Respondents complained about the lack of proper study material, since only powerpoint slides with global information were provided while detailed information was demanded at the exam. It could be an idea to deliver a reader or prescribe a book to the students.
- Provide the right information about the requirements for the exam. Students complained that the lecturer told them they could expect a multiple choice exam. It appeared that the exam consisted mainly of open questions where many details were demanded, according to the remarks of the students. In this way the students did not prepare for the exam in the right way.
- Provide more exercises to the students. Respondents complained about the availability of exercises for practicing for the exam. The classes and powerpoint slides consisted mainly of global theory.
- Adjust the contents of the course to the knowledge of the students. Several students complained that the course was containing a lot of chemistry / chemical reactor engineering. Since students with diverse backgrounds were participating, it would be an idea to provide additional information to the students with a lack of knowledge on specific areas.

### Remarkable Facts:

- One aspect of the course (the availability of the teacher for questions) was valuated as sufficient (7.1). Other aspects were all valuated as insufficient (marks below 7).
- Some students told that there was sometimes overlap between the lectures, because 8(?) lecturers were teaching during 13(?) lectures.

● **Overview:**

- Most marks are given on a scale from 1-5 and converted to a scale from 2-10 by multiplying with a factor 2. For master courses, a mark of 7.0 or higher is sufficient.
- The height of the bars in the graph represents the mark. The thin line at the top of the bars gives the standard deviation.

Orange	General
Yellow	Lectures
Blue	Study material
Purple	Examination / Final Assignment

<b>Marks</b>	
Total appreciation	5.4
Ability to study	5.0
Relevancy	6.0
Quality of education	5.8
Coordination / planning	6.4
Examination / Assignments	5.1

