

Evaluation report: Integrative Design of Biomedical Products – 2010/2011

The evaluation committee has evaluated the course Integrative Design of Biomedical Products by sending an online questionnaire to 31 students. Nine students filled in the questionnaire, which gives a response of 29%.

SUMMARY

The overall appreciation of the course has been marked with a 6.1, which is below the required 7.0 that is required for a Master course. This is the lowest given grade, along with how interesting the content of the course has been (6.2). The two best graded parts of the course were the availability of the teacher for questions and the requirements for the exam. Both were graded with a 9.8. When you look closer at the lower graded parts of this study, you can see a lot of variance. We suspect this has to do with the fact that two of the nine respondents are doing an Industrial Design Engineering course and did a bachelor course in Industrieel Ontwerp before that. IO students have a project very similar to this course in their first year, so they found this course less interesting.

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 can be improved. Based on the results of the questionnaire, some recommendations for improvement are provided. The most important recommendations are:

- Don't make this course obligated for Industrial Design Engineering students doing an Emerging Technology Design track in Biomedical engineering. These respondents following this course all felt that they had a similar course during their first Bachelor year.

Remarkable Facts:

- Every grade that could be influenced by prior knowledge (IDE-students) has a lot of variance.
- From the respondents only three students were following a Mechanical Engineering Master, four Biomedical Engineering students and 2 Industrial Design Engineering.

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 |

| Marks | |
|---------------------------|-----|
| Total appreciation | 6.1 |
| Ability to study | 7.6 |
| Relevancy | 6.8 |
| Quality of education | 8.5 |
| Coordination / planning | 8.9 |
| Examination / Assignments | 8.7 |

Explanation of marks:

- Total appreciation is the mark given to the question: Overall appreciation.
- Ability to study is the average point of the marks given to the part of study material.
- Relevancy is the mark given to the question: Relevancy of the course.
- Quality of education is the average point of the marks given to the parts "lectures" and "practices".
- Coordination / Planning is the average point of the marks of "Adequate Information on Blackboard" and "Teacher available for questions".
- Examination / Assignments is the average point of the marks given to the Examination /Final Assignment part.

