

Evaluation report Laser Material Processing

191137400

dr. ir. G.R.B.E. Römer

The evaluation committee has evaluated the course Laser Material Processing by handing out a paper questionnaire to 7 students.

The course Laser Material Processing scores an average mark of 4.4 which is good for a master course. Except for the suitability for self-study (3.7), the course scores well to excellent on every single aspect. There are little remarks given by the students, nearly all of them are very positive.

It is always hard to really make conclusions when only a small amount of students follow the course and fill in the questionnaire, however with so little remarks it is not hard to conclude that this course was taught well to excellent in general. It is nice to see that after a few years the course still scores as good as it did back then.

Furthermore, the teacher asked three extra open questions to the student, their responses will be summarized below.

- *Why did you choose to attend the course "Laster Material Processing"?*
Main reasons given: personal interest, lack of knowledge regarding lasers, quality of lectures, interest in additive manufacturing, combines well with surface engineering.
- *Would you consider taking laser related Master courses like "Optics for Mechanical Engineers" and "Psychics of Lasers" if they'd be available?*
Three students answered 'yes' and think it is useful to get more in-depth knowledge of the process itself. They think it is relevant for Mechanical Engineering, but seem more interested in the Psychics course than the Optics course. Three other students answered no. One thinks it is too far from Mechanical Engineering, one does not need any more in depth knowledge, and one Industrial Design Engineer does see it little at use for his master. The last student answered maybe.
- *Would you consider a Master assignment in the field of Laser Material Processing based on the content of this course?*
Nearly all students answered yes to this question, a lot of them would like to combine Laser Material Processing with their field of interest. Examples for this are Bio Mechanical Engineering, Surface Engineering, Automotive sector, Mechanical Automation – Flexible Body Dynamics. One students chose the course to gain more knowledge after a proposed Master Assignment.

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 of previous evaluation

The last evaluation was in 2009/2010

- As this course is well appreciated by the students and no structural complaints were given, the committee can only recommend to proceed the course in this way.

Recommendations by the committee

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

- Keep it up! Based on these questionnaires the committee cannot give any recommendations on how to improve the course.

Overview

- All marks are given on a Likert-scale from 1-5. For master courses, a mark of 3.5 or higher is sufficient.
- The height of the bars in the graph represents the mark. The thin line at the top of the bars

