

## DT4030 (CAD for Mechatronics, VT 2025, Halmstad, V3766)

Number of possible respondents: 18

Answers: 7

Response rate: 38,89 %

Study pace: 50 %

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### Examiner's course analysis

#### Based on the course evaluation result - which are the strengths of the course?

Satisfaction with the course is high, and feedback suggests that the course is well designed to meet the learning objectives. The social study environment was good. From the free text answers, it appears that learning the practical usage of a CAD system is appreciated. The change of moving the writing assignment to later in the course was appreciated by the students.

#### Based on the course evaluation result - which are the weaknesses of the course?

From the free text answers it was again noted by the students that the R3145 teaching room is not well suited to teaching (i.e. there is a pillar in the way of the screen and the room is "like a bunker"). There is an issue where not all students attend the vital tutorials, but this was better than last year (approx. 80% of the students attended almost all the tutorials).

#### Comments about the collaboration with the course ambassadors

As with many previous courses, there were no volunteers for the course ambassador role when asked at the beginning of the course. Instead, the agreed alternative was to have an open and clear dialogue with all students in each teaching session so that any issues could be highlighted as/if they occurred.

#### Conclusion and suggestions for course development or already made decisions

It is good that the course changes over the years seem to be improving satisfaction and better meeting the learning objectives. There is still the perennial issue that there is low rates of survey completion for the course (39% response rate this time). It is very important that all students on a course complete the course feedback so that we can be confident in the responses. As changes, it will be made more clear during lectures how the content relates to the course and the assignments, as this was suggested as something that needed clarifying. We will also try and use alternative teaching locations to avoid R3145.

#### Other comments

An additional input to the course will be on trying to help students work creatively as well as efficiently, as I think it is often missed when there is an opportunity to be creative in your role as an engineer, and there is scope to help with that education in the DT4030 course.

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## I am overall satisfied with the course.

|                               | Number of responses | Distribution (%) | Index (%) I am overall satisfied with the course | 94 |
|-------------------------------|---------------------|------------------|--------------------------------------------------|----|
| 0 = I definitely do not agree | 0                   | 0%               |                                                  |    |
| 1                             | 0                   | 0%               |                                                  |    |
| 2                             | 0                   | 0%               |                                                  |    |
| 3                             | 1                   | 14%              |                                                  |    |
| 4                             | 0                   | 0%               |                                                  |    |
| 5 = I definitely agree        | 6                   | 86%              |                                                  |    |
| No opinion                    | 0                   | 0%               |                                                  |    |
| <b>Total</b>                  | <b>7</b>            | <b>100%</b>      |                                                  |    |

## How much time have you spent on the course in relation to the course's study pace?

|                                        | Number of responses | Distribution (%) |
|----------------------------------------|---------------------|------------------|
| Less time than the course study pace   | 3                   | 43%              |
| Corresponding to the course study pace | 4                   | 57%              |
| More time than the course study pace   | 0                   | 0%               |
| <b>Total</b>                           | <b>7</b>            | <b>100%</b>      |

**The design of the course (teaching methods, literature, pedagogy, etc.) has been well adjusted to help me achieve the learning outcomes in the syllabus.**

|                               | Number of responses | Distribution (%) |
|-------------------------------|---------------------|------------------|
| 0 = I definitely do not agree | 0                   | 0%               |
| 1                             | 0                   | 0%               |
| 2                             | 0                   | 0%               |
| 3                             | 1                   | 14%              |
| 4                             | 0                   | 0%               |
| 5 = I definitely agree        | 6                   | 86%              |
| No opinion                    | 0                   | 0%               |
| <b>Total</b>                  | <b>7</b>            | <b>100%</b>      |

Index (%) The design of the course (teaching methods, literature, pedagogy, etc.) has been well adjusted to help me achieve the learning outcomes in the syllabus.

94

**During the course examinations, I have had the opportunity to show that I have achieved the learning outcomes in the syllabus.**

|                               | Number of responses | Distribution (%) |
|-------------------------------|---------------------|------------------|
| 0 = I definitely do not agree | 0                   | 0%               |
| 1                             | 0                   | 0%               |
| 2                             | 0                   | 0%               |
| 3                             | 0                   | 0%               |
| 4                             | 5                   | 71%              |
| 5 = I definitely agree        | 2                   | 29%              |
| No opinion                    | 0                   | 0%               |
| <b>Total</b>                  | <b>7</b>            | <b>100%</b>      |

Index (%) During the course examinations, I have had the opportunity to show that I have achieved the learning outcomes in the syllabus.

86

## I have experienced the social study environment as good during the course.

|                               | Number of responses | Distribution (%) | Index (%) I have experienced the social study environment as good during the course. |  |
|-------------------------------|---------------------|------------------|--------------------------------------------------------------------------------------|--|
| 0 = I definitely do not agree | 0                   | 0%               | 93                                                                                   |  |
| 1                             | 0                   | 0%               |                                                                                      |  |
| 2                             | 0                   | 0%               |                                                                                      |  |
| 3                             | 0                   | 0%               |                                                                                      |  |
| 4                             | 2                   | 29%              |                                                                                      |  |
| 5 = I definitely agree        | 4                   | 57%              |                                                                                      |  |
| No opinion                    | 1                   | 14%              |                                                                                      |  |
| <b>Total</b>                  | <b>7</b>            | <b>100%</b>      |                                                                                      |  |

## Course satisfaction index

|                                                  |    |
|--------------------------------------------------|----|
| Satisfaction index % (summary of all statements) | 92 |
|--------------------------------------------------|----|

**The writing assignment was moved from the beginning of the course to the end for this year. This was to allow the lecture content to take place before the written assignment. Do you think this change is good?**

| <b>The writing assignment was moved from the beginning of the course to the end for this year. This was to allow the lecture content to take place before the written assignment. Do you think this change is good?</b> | <b>Number of responses</b> | <b>Distribution (%)</b> |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|-------------------------|
| Yes                                                                                                                                                                                                                     | 6                          | 86%                     |
| No                                                                                                                                                                                                                      | 1                          | 14%                     |
| <b>Total</b>                                                                                                                                                                                                            | <b>7</b>                   | <b>100%</b>             |

**What did you find the hardest part of the course?**

**What did you find the easiest part of the course?**

**Did you find the CAD assignments useful for achieving the course learning objectives?**

| <b>Did you find the CAD assignments useful for achieving the course learning objectives?</b> | <b>Number of responses</b> | <b>Distribution (%)</b> |
|----------------------------------------------------------------------------------------------|----------------------------|-------------------------|
| Yes                                                                                          | 7                          | 100%                    |
| No                                                                                           | 0                          | 0%                      |
| <b>Total</b>                                                                                 | <b>7</b>                   | <b>100%</b>             |



**Do you have any suggestions for improving the course assignments?**