

## **DT4015 (Data Communication, HT 2023, Halmstad, H3403, X3405)**

Number of possible respondents: 65

Answers: 34

Response rate: 52,31 %

Study pace: 50 %

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### **Examiner's course analysis**

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

According to the students, and the plan agreed by the teaching staff, the face-to-face attention (i.e., lectures, supervision, lab sessions) are conducted so that the learning process occurs with students and instructors working together towards a common goal. This was done by following theories on social construction of knowledge, and we adapted the role of the instructor to be a more-knowledgeable peer, helping develop critical thinking, rather than a simple source of information and an evaluator on how well that information was memorized.

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

The structure of the lab assignments requires one more iteration to allow independent work from students that cannot attend certain lab sessions. It is one step ahead from previous structures, in which now we use software for network simulations, but it is still needed to help students see the bigger picture. There are fewer complaints on labs not being about networking, but the structure and final purpose of the labs shall be clearer. This year, these clarifications took place during lab sessions, but if one chose to work independently, this information is not readily available somewhere else.

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

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

We will make lab assignments clearer and highlight during the lab sessions and lectures that certain activities like gathering and analyzing statistics and draw conclusions from them is what is expected from their education level. Labs do not only give us a chance to implement a protocol, but also provide us with opportunities to look at results, draw conclusions, and design improvements. On the lecture side, we will keep updating the material so that the relation between lectures and labs is clearer. This year, this connection was stronger than in previous iterations, and that is shown on how well students managed concepts, e.g., regarding re-transmission protocols, in the examination.

#### **Other comments**

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## Gender

|                       | Number of responses | Distribution (%) |
|-----------------------|---------------------|------------------|
| Female                | 5                   | 15%              |
| Male                  | 28                  | 82%              |
| Do not want to define | 1                   | 3%               |
| <b>Total</b>          | <b>34</b>           | <b>100%</b>      |

## I am overall satisfied with the course.

|                               | Number of responses | Distribution (%) | Index (%) I am overall satisfied with the course | 84 |
|-------------------------------|---------------------|------------------|--------------------------------------------------|----|
| 0 = I definitely do not agree | 0                   | 0%               |                                                  |    |
| 1                             | 1                   | 3%               |                                                  |    |
| 2                             | 3                   | 9%               |                                                  |    |
| 3                             | 3                   | 9%               |                                                  |    |
| 4                             | 9                   | 26%              |                                                  |    |
| 5 = I definitely agree        | 18                  | 53%              |                                                  |    |
| No opinion                    | 0                   | 0%               |                                                  |    |
| <b>Total</b>                  | <b>34</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                   | 9%               |
| Corresponding to the course study pace | 18                  | 53%              |
| More time than the course study pace   | 13                  | 38%              |
| <b>Total</b>                           | <b>34</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 (%) | 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. | 78 |
|-------------------------------|---------------------|------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|
| 0 = I definitely do not agree | 0                   | 0%               |                                                                                                                                                                    |    |
| 1                             | 1                   | 3%               |                                                                                                                                                                    |    |
| 2                             | 3                   | 9%               |                                                                                                                                                                    |    |
| 3                             | 4                   | 12%              |                                                                                                                                                                    |    |
| 4                             | 16                  | 47%              |                                                                                                                                                                    |    |
| 5 = I definitely agree        | 9                   | 26%              |                                                                                                                                                                    |    |
| No opinion                    | 1                   | 3%               |                                                                                                                                                                    |    |
| <b>Total</b>                  | <b>34</b>           | <b>100%</b>      |                                                                                                                                                                    |    |

**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 (%) | Index (%) During the course examinations, I have had the opportunity to show that I have achieved the learning outcomes in the syllabus. |           |
|-------------------------------|---------------------|------------------|------------------------------------------------------------------------------------------------------------------------------------------|-----------|
| 0 = I definitely do not agree | 1                   | 3%               |                                                                                                                                          |           |
| 1                             | 4                   | 12%              |                                                                                                                                          |           |
| 2                             | 0                   | 0%               |                                                                                                                                          |           |
| 3                             | 5                   | 15%              |                                                                                                                                          |           |
| 4                             | 7                   | 21%              |                                                                                                                                          |           |
| 5 = I definitely agree        | 14                  | 41%              |                                                                                                                                          |           |
| No opinion                    | 3                   | 9%               |                                                                                                                                          |           |
| <b>Total</b>                  | <b>34</b>           | <b>100%</b>      |                                                                                                                                          | <b>75</b> |

**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%               |                                                                                      |           |
| 1                             | 1                   | 3%               |                                                                                      |           |
| 2                             | 1                   | 3%               |                                                                                      |           |
| 3                             | 1                   | 3%               |                                                                                      |           |
| 4                             | 5                   | 15%              |                                                                                      |           |
| 5 = I definitely agree        | 23                  | 68%              |                                                                                      |           |
| No opinion                    | 3                   | 9%               |                                                                                      |           |
| <b>Total</b>                  | <b>34</b>           | <b>100%</b>      |                                                                                      | <b>91</b> |

## Course satisfaction index

|                                                  |    |
|--------------------------------------------------|----|
| Satisfaction index % (summary of all statements) | 82 |
|--------------------------------------------------|----|