INSTITUT FOR ENERGITEKNIK
AALBORG UNIVERSITET

SEMESTER EVALUATION

AUTUMN SEMESTER 2020

The Study Secretariat, Department of Energy Technology

June 2021

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1. Introduction

1.1 Contents of the report

This report contains the quantitative data from the semester evaluation of the autumn semester 2020. The Study Board for Energy has processed the qualitative data internally and in confidentiality. The quantitative data concerning the evaluation of all the courses, the data regarding the Corona epidemic and the questions regarding harassment and abusive behaviour have been processed in confidentiality and will not be reproduced in this report.

1.2 Follow-up on the results

In general, the students' evaluation of this semester is characterised by the effects of the Corona epidemic on their study life. Considering the multitude of challenges brought on by this crisis, the students evaluate the semester, the projects and the courses very favourably. Many students note in the comments that it has been a good semester even though the video teaching is not optimal. Especially on DS 5th semester the students explain that they have experienced difficulties regarding the video teaching that they were given. This video teaching was an emergency solution, however, with very little time to prepare for the teachers, and from the coming autumn semester, there will not be any video teaching from Aalborg based teachers.

As mentioned before, the students evaluate the projects favourably but many describe their frustration concerning the lack of access to the labs. Several students on the 1st semester of the bachelor programmes express a wish to schedule the PBL course earlier in the semester before the project work starts. The study board assesses that it is not feasible to run the PBL course this quickly because it contains a great deal of fundamental material for the 1st semester.

The students also evaluated the courses very positively. Especially the recorded videos got a great deal of positive feedback, which the study board has forwarded to the teachers. The study board has processed the criticisms in confidentiality with the relevant teachers.

Despite the challenges connected to the Corona epidemic, a large majority of the students feel comfortable in their study programmes. However, the study board has identified various issues in the students' comments:

- The social and academic sense of community is challenged greatly because of the restrictions.
- Several international students feel disconnected to the Danish students.
- Some international students feel lonely.
- The lack of events and RUS-periods to help the students establish a healthy social study life has been a big miss for many.

The study board takes these points very seriously and they have been discussed at faculty level. The rector of AAU is involved in trying to help students reestablish the social part of their study life when the restrictions are lifted so it is a top priority for AAU. Extra events will be planned for the students who did not experience RUS for example.
The division between the international and the Danish students is also a focus point for the study board as well as the loneliness experienced by international students. The study board will attempt to hold physical project exams and a physical graduation and some classrooms will be changed to group rooms to help facilitate a reestablishment of a healthy social study environment.
The response rate ended up at 57 %, which is a marked improvement, compared to the previous semester evaluation. Thank you to the students for all your valuable feedback.

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2. Response rate E20

Study programmes	Responses	Students	Response rate
DS5 - Esbjerg	11	11	100%
EE5 - Aalborg	0	11	0%
EN3 - Aalborg	19	53	36%
EN3 - Esbjerg	3	13	23%
EN1 - Aalborg	51	57	89%
EN1 - Esbjerg	10	11	91%
AIE1 - Esbjerg	6	15	40%
AIE3 - Esbjerg	6	15	40%
AIE5 - Esbjerg	4	7	57%
ED5 - Esbjerg	0	2	0%
ME5, MED5	17	19	89%
TE5, TED5	1	9	11%
ESPH1	6	6	100%
PED1	6	7	86%
WPS1	5	6	83%
EPSH3	9	13	69%
MCE1	12	19	63%
MCE3	11	25	44%
OES7	4	4	100%
OES9	1	4	25%
PECT7	2	3	67%
PECT9	0	2	0%
APEL7	1	3	33%
IRS9	0	1	0%
PED3	7	18	39%
TEPE1	10	12	83%
TEPE3	10	25	40%
HYTEC1	1	4	25%
HYTEC3	0	0	0%
WPS3	2	3	67%
Sum	**215**	**378**	**57%**
Esbjerg	48	91	53%
Aalborg	167	287	58%

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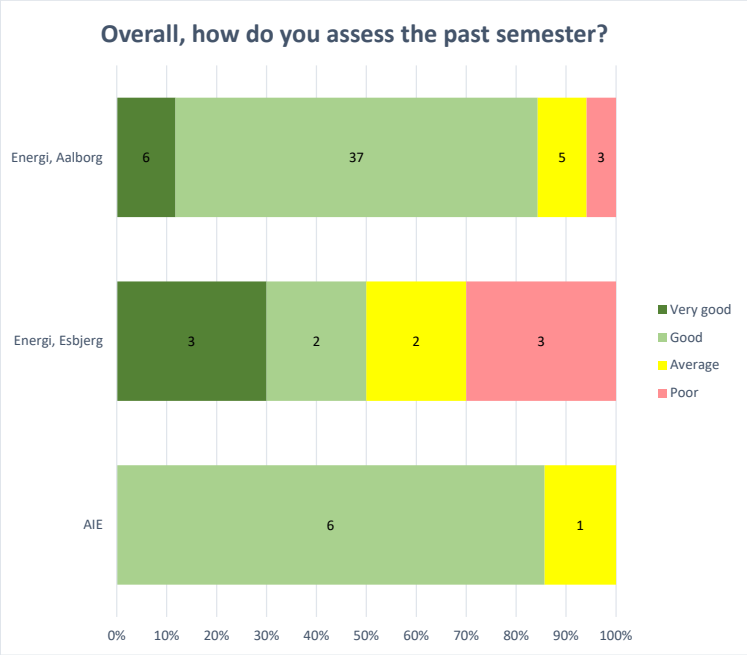
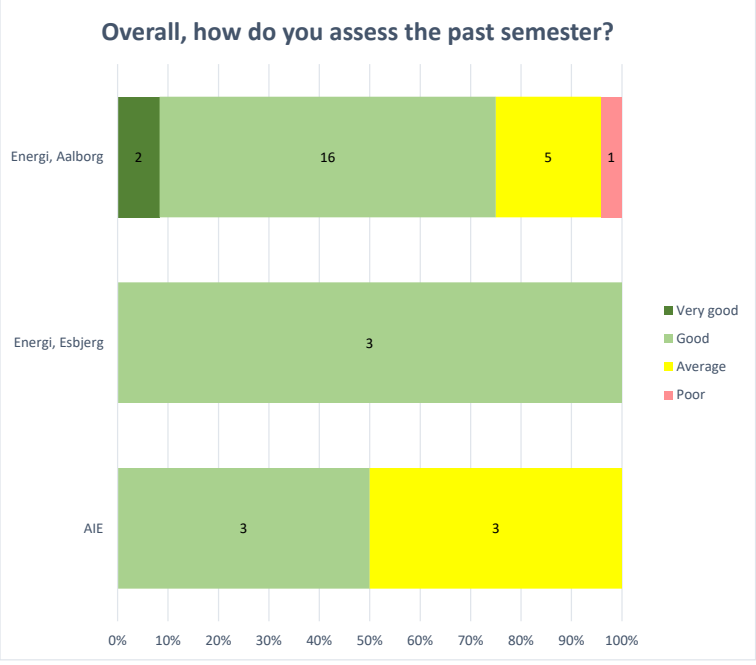
3. Semester evaluation

3.1: 1st semester



3.2: 3rd semester



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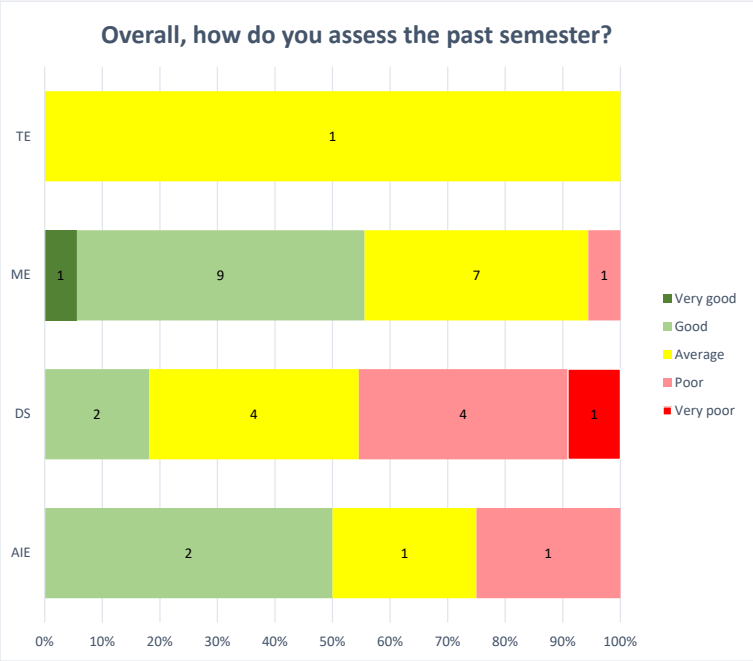
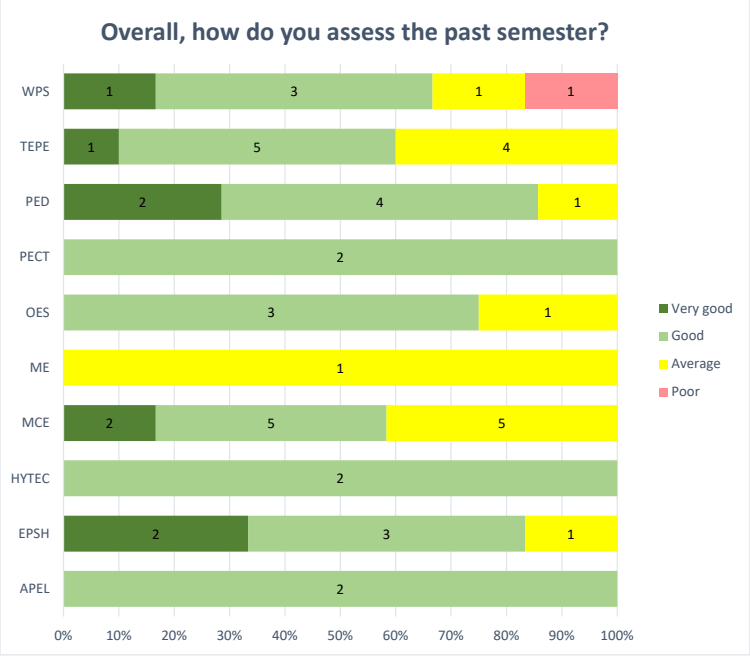
3.3: 5th semester



3.4: 7th semester



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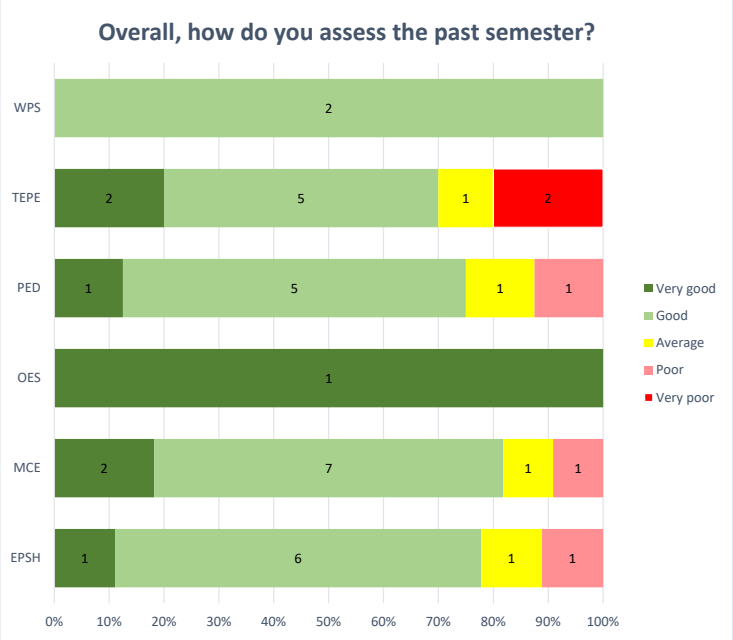
3.5: 9th semester



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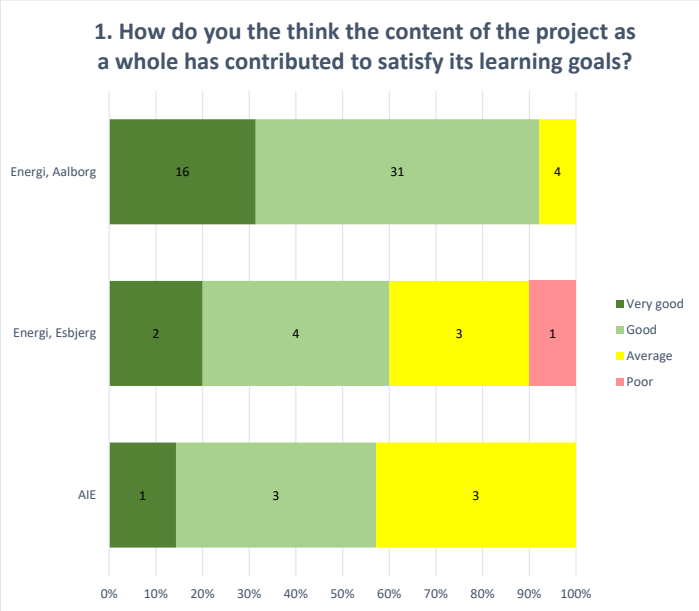
4. Project Evaluation

4.1 How do you think the content of the project as a whole has contributed to satisfy its learning goals?

4.1.1: 1st semester



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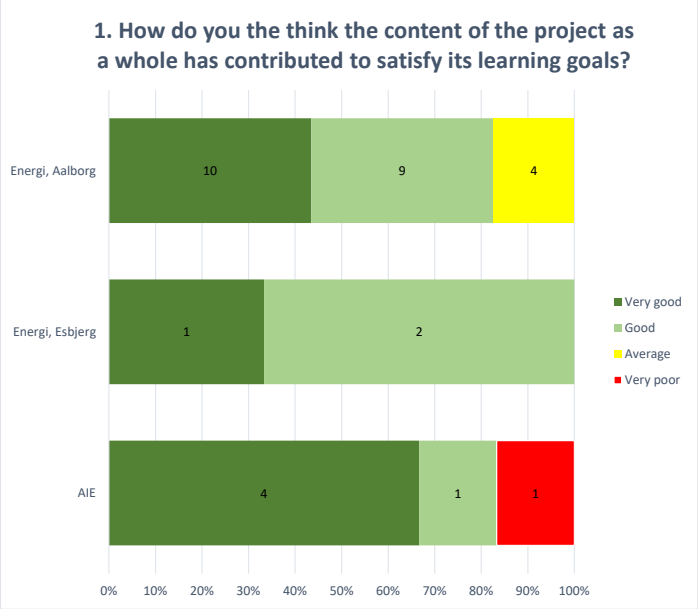

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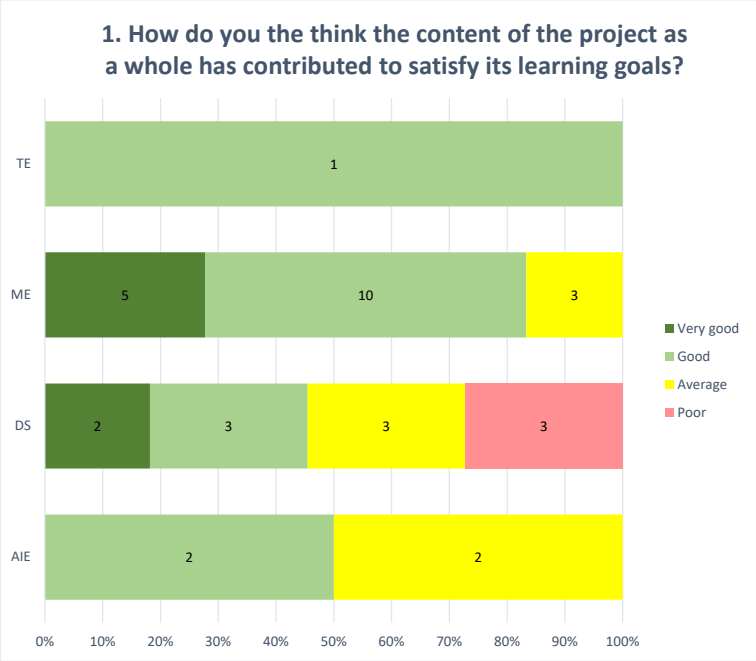
4.1.3: 5th semester



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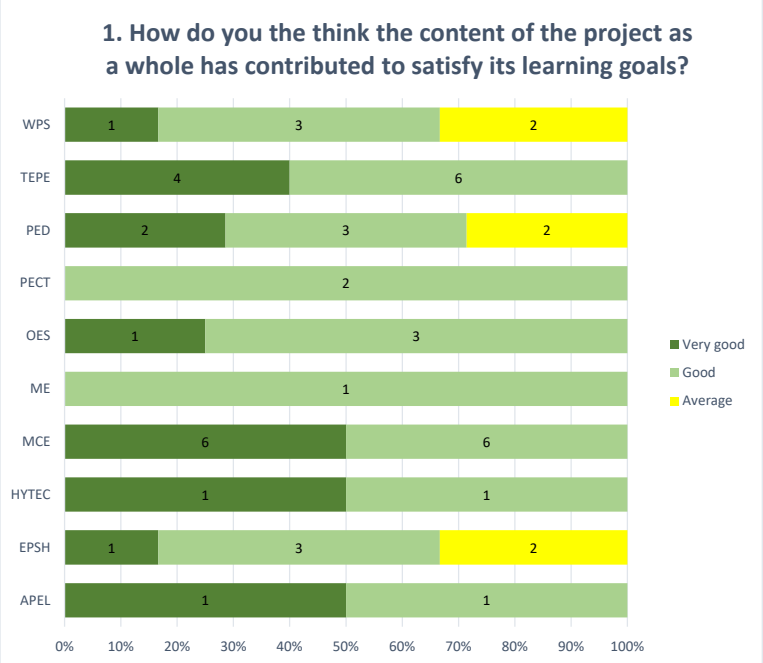

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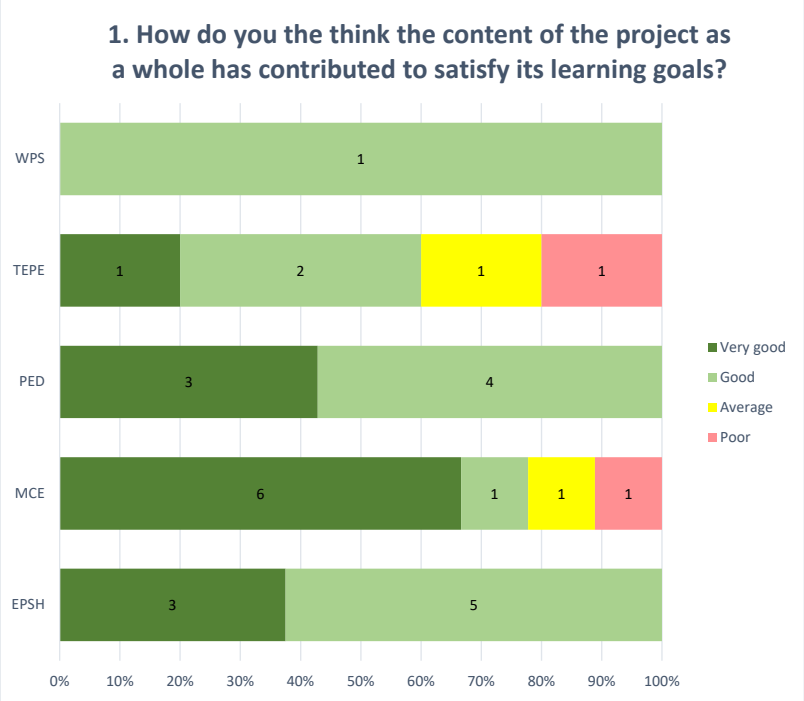
4.1.5: 9th semester



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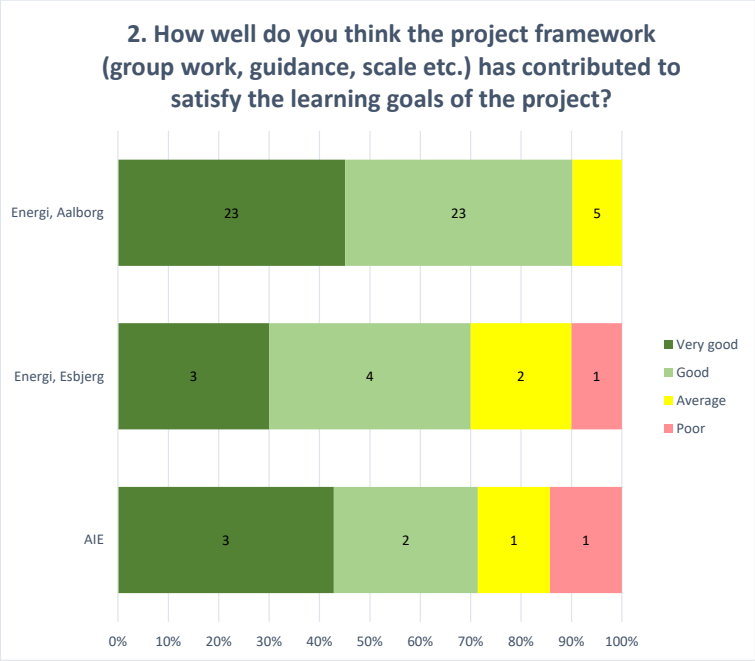
4.2 How well do you think the project framework (group work, guidance, scale etc.) has contributed to satisfy the learning goals of the project?

4.2.1: 1st semester



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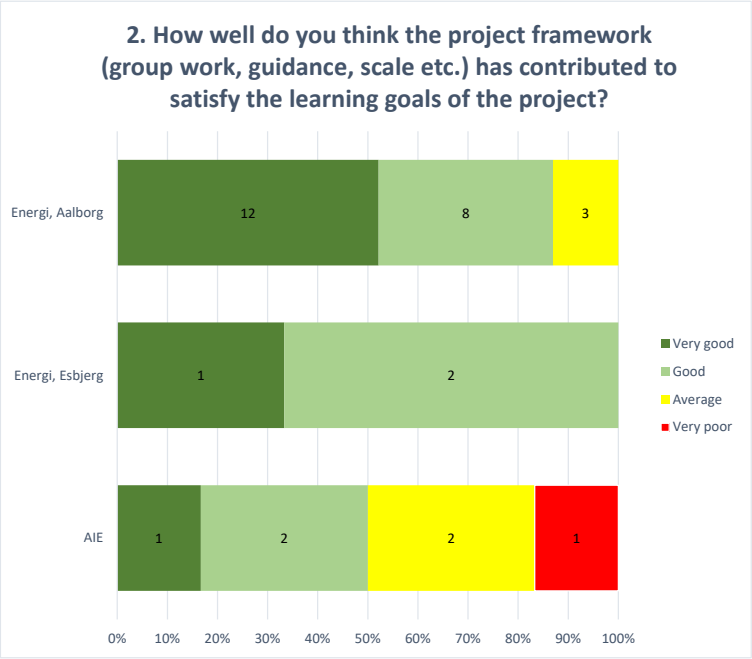

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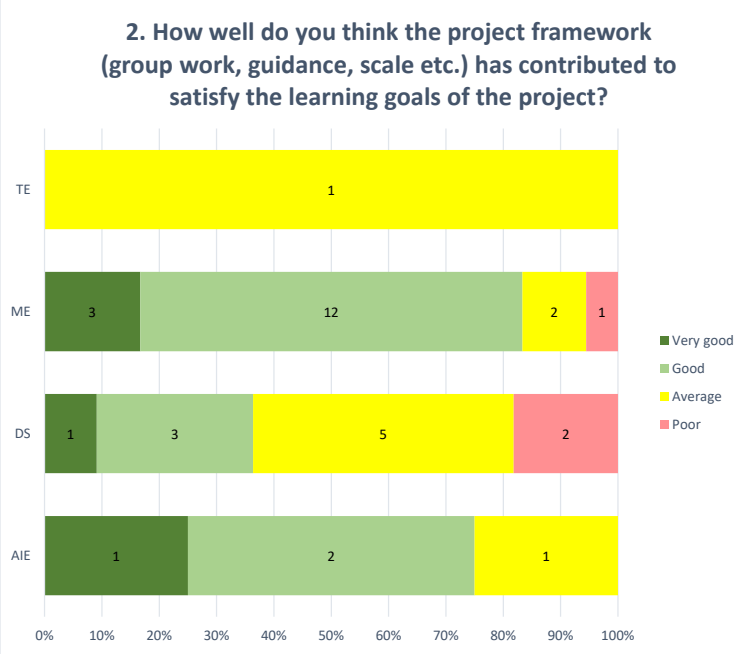
4.2.3: 5th semester



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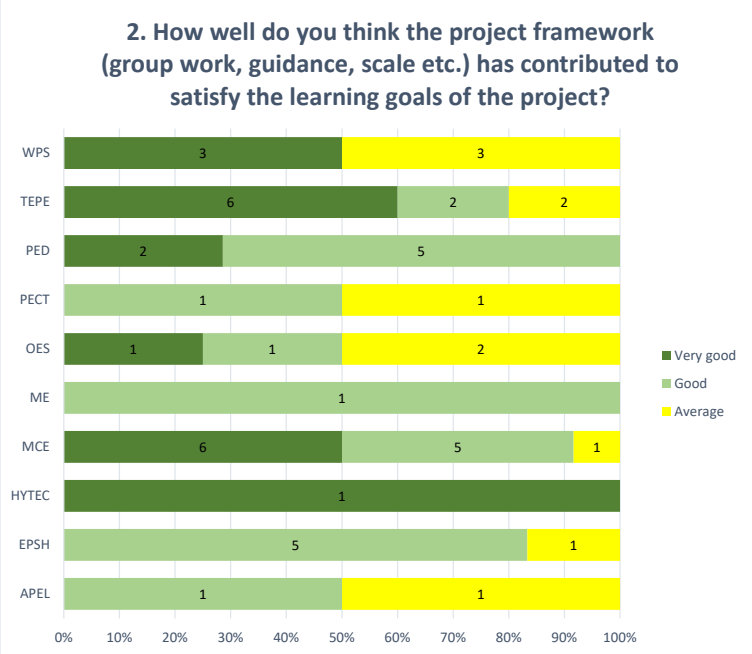

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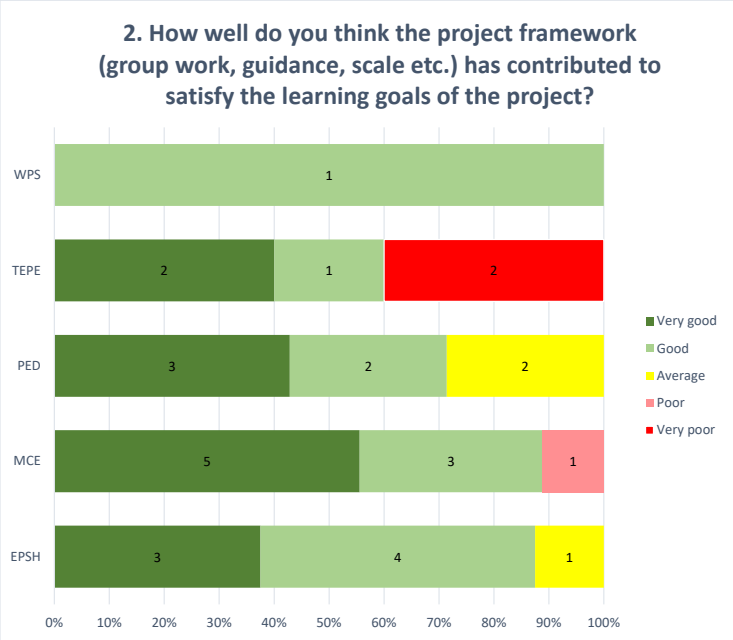
4.2.5: 9th semester



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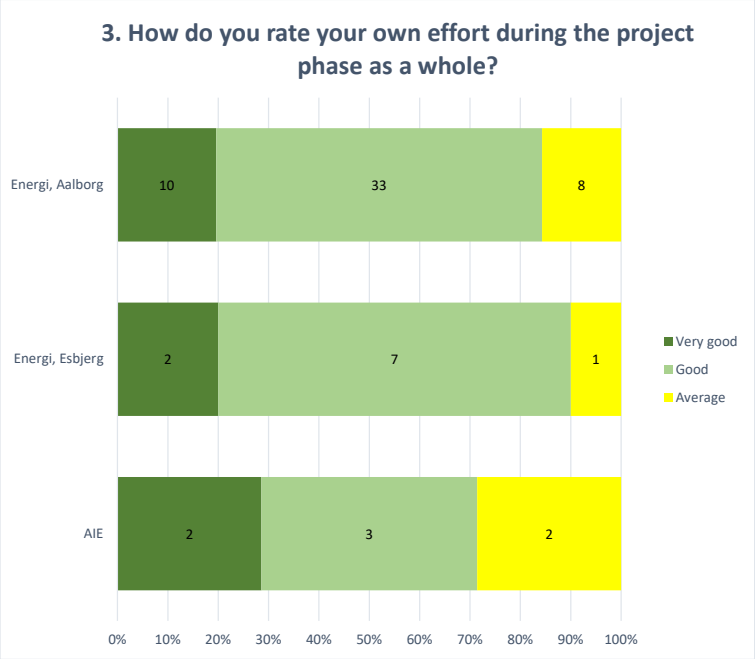
4.3 How do you rate your own effort during the project phase as a whole?

4.3.1: 1st semester



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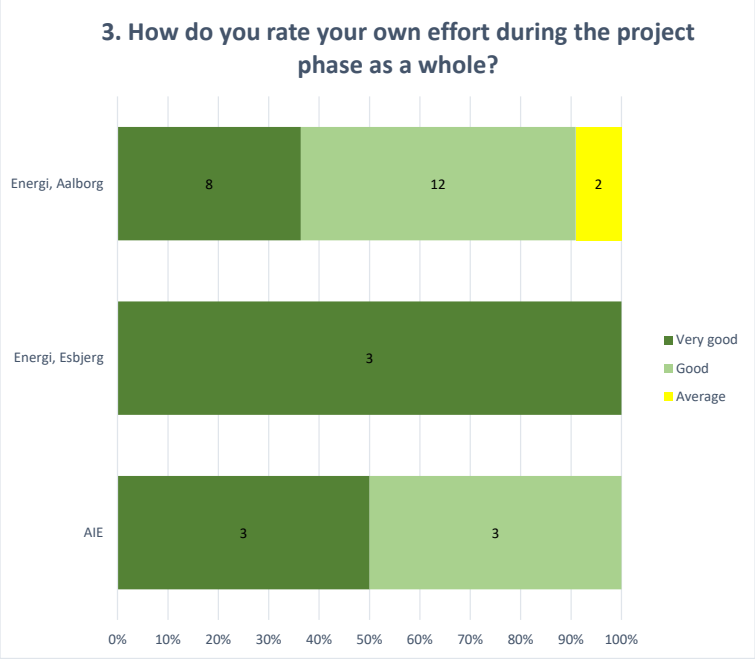

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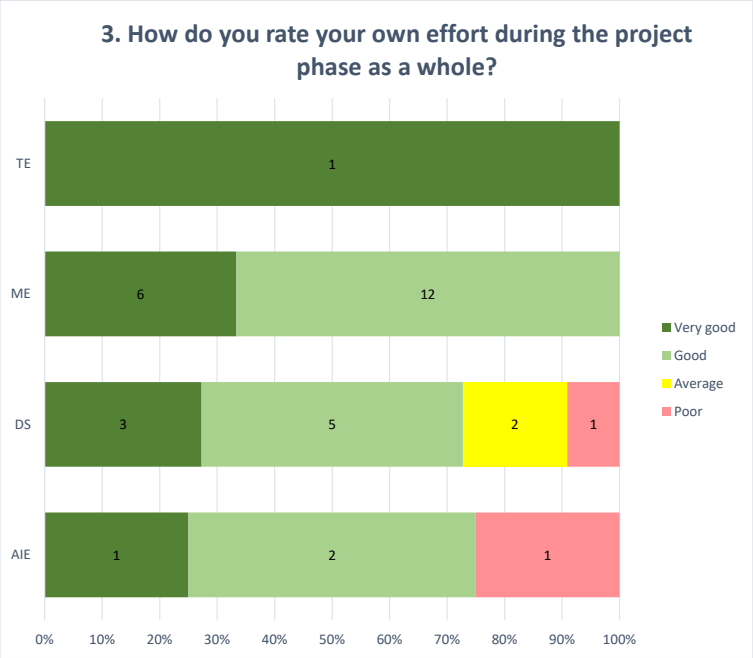
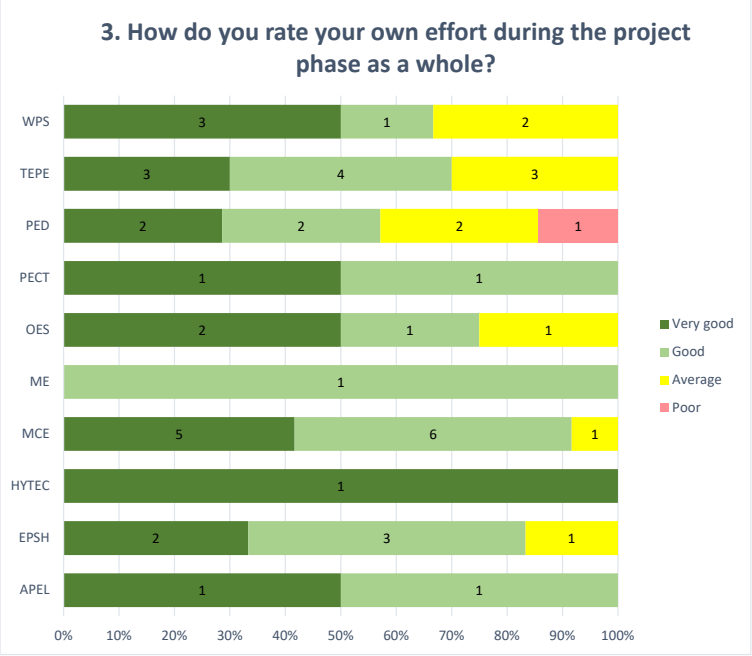
4.3.3: 5th semester



4.3.4: 7th semester



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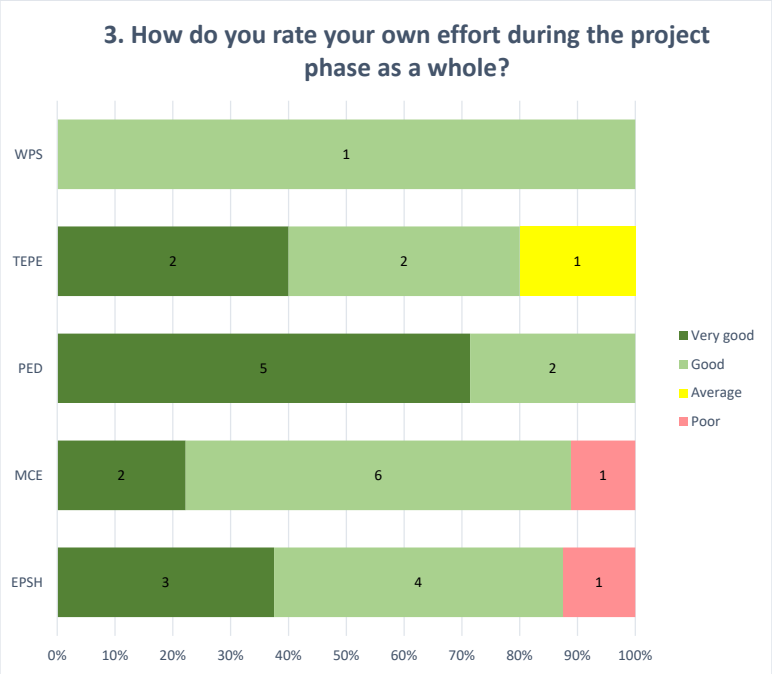
4.3.5: 9th semester



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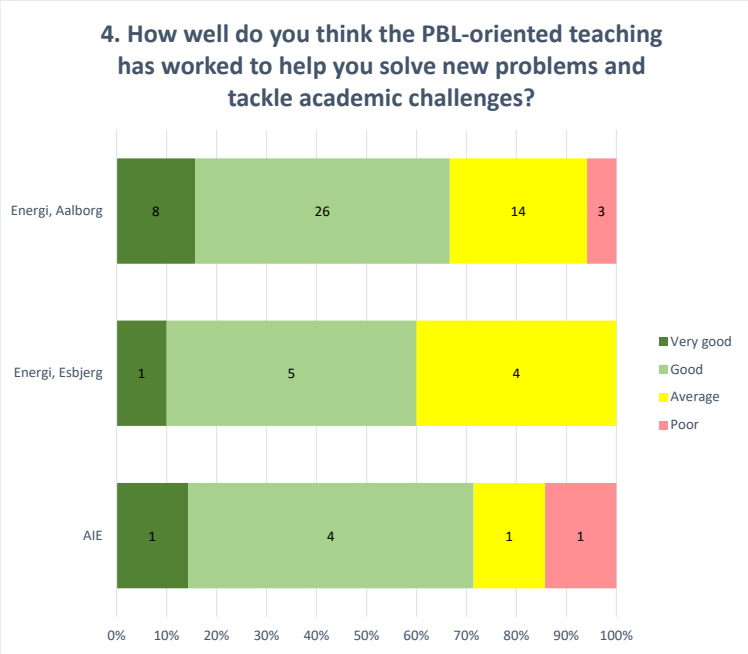
4.4: How well do you think the PBL-oriented teaching has worked to help you solve new problems and tackle academic challenges?

4.4.1: 1st semester



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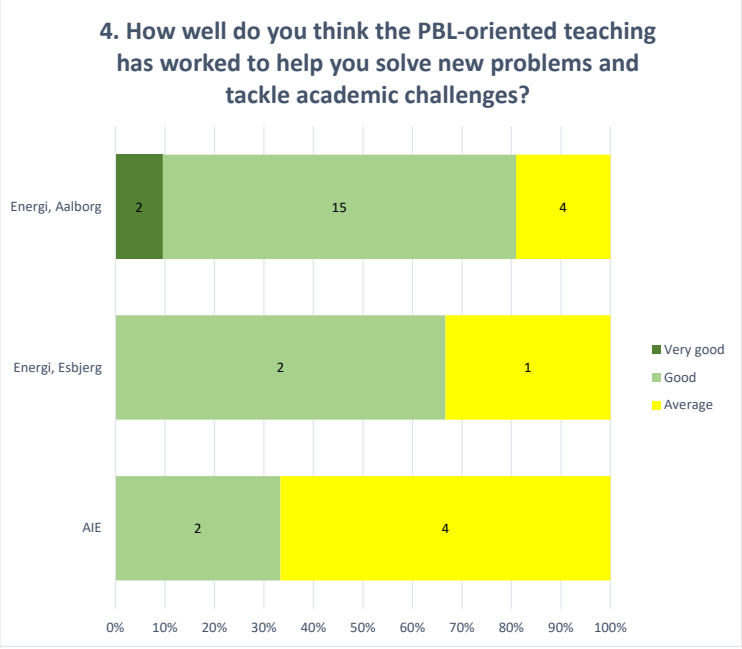

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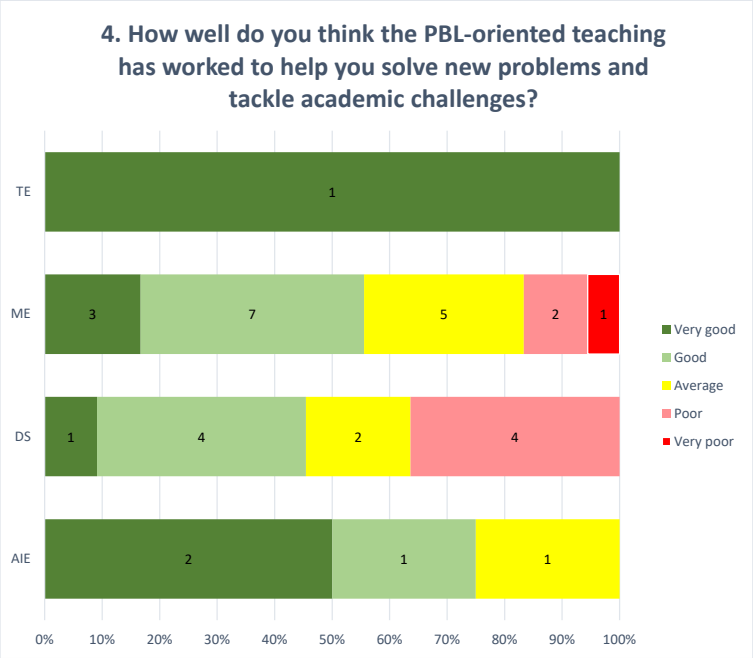
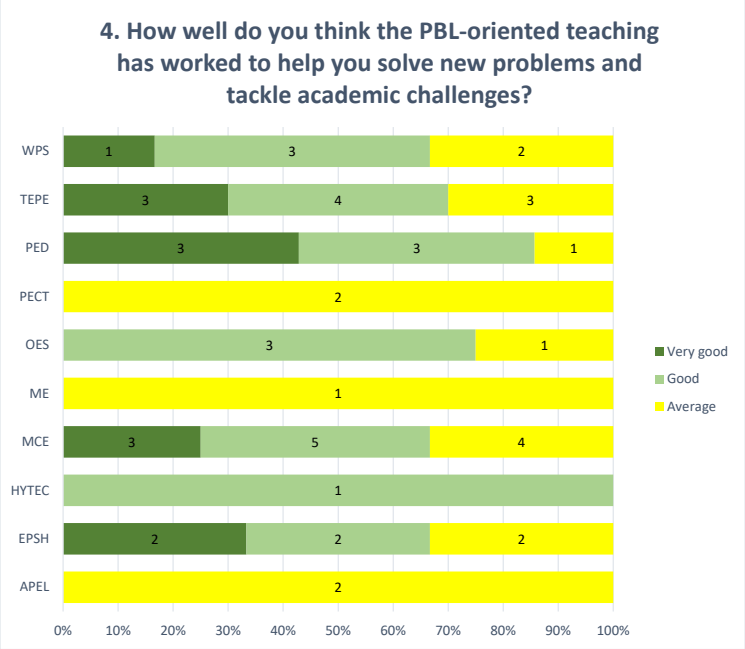
4.4.3: 5th semester



4.4.4: 7th semester



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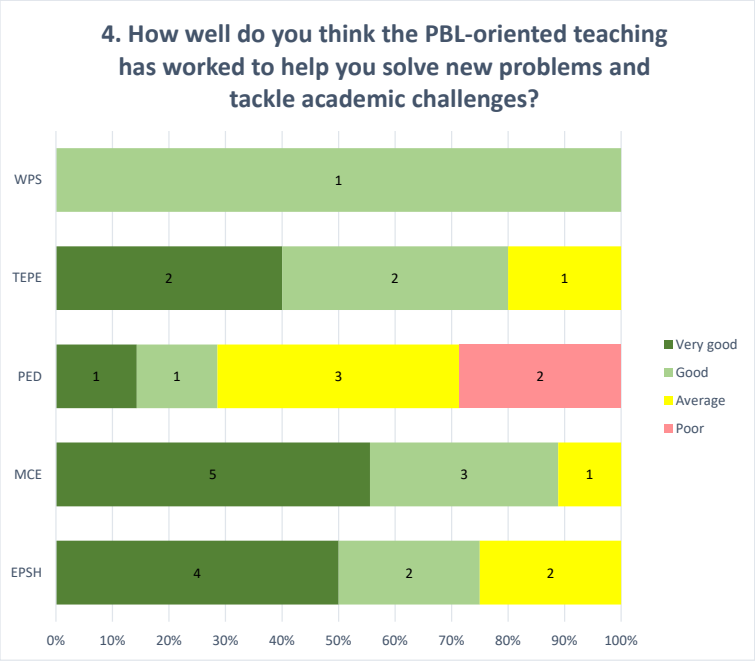
4.4.5: 9th semester



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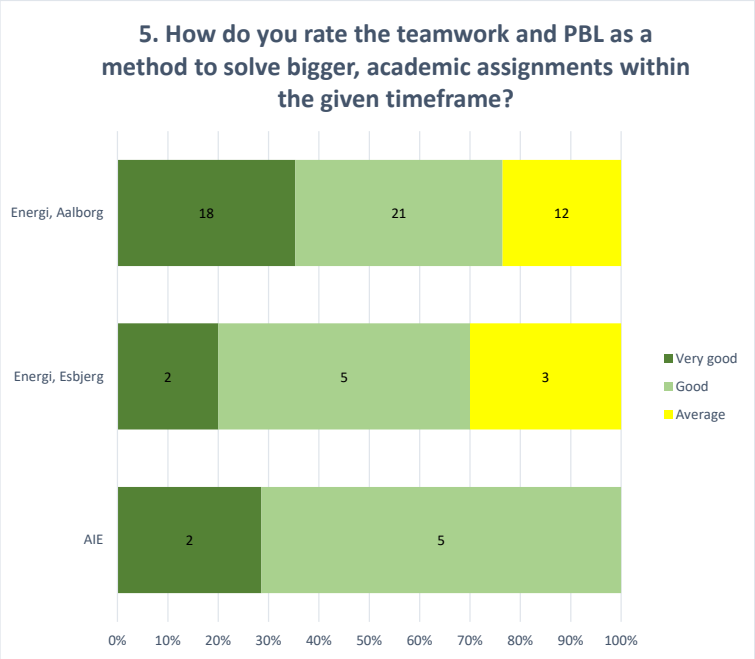
4.5.1: 1st semester



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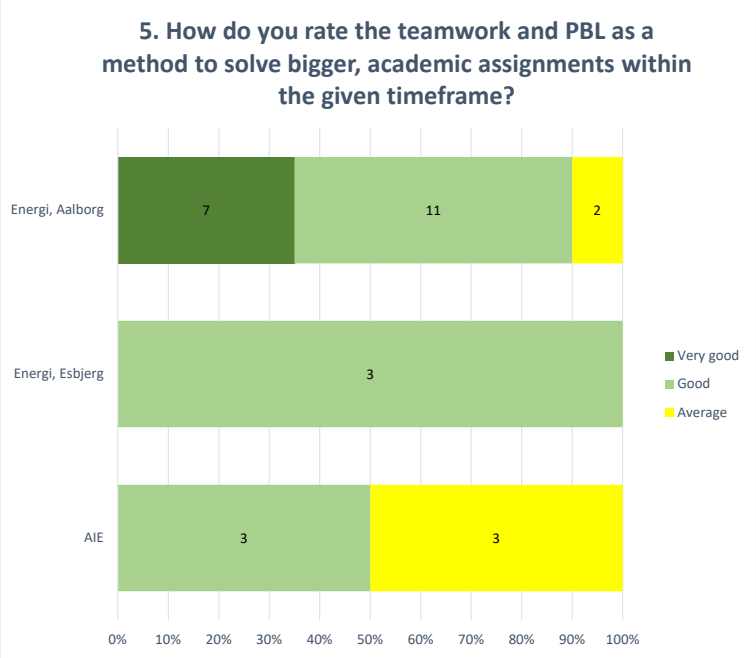

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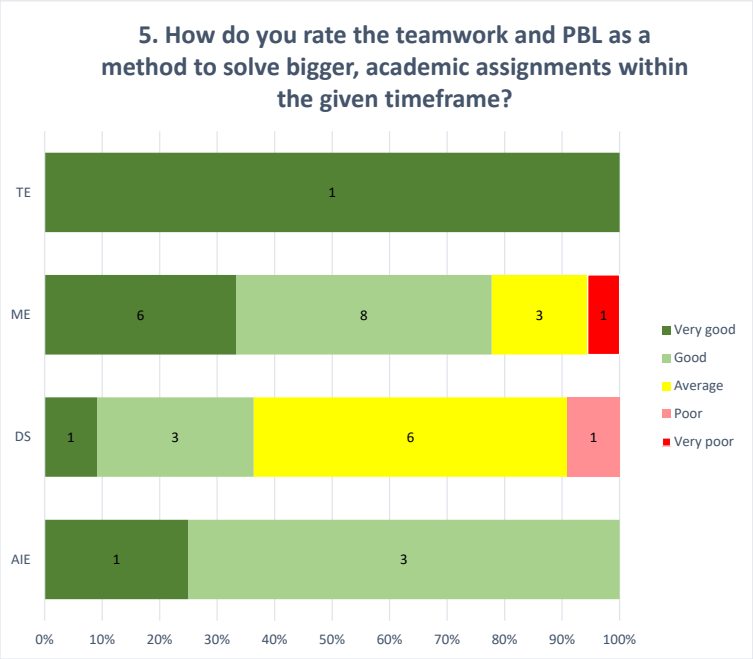
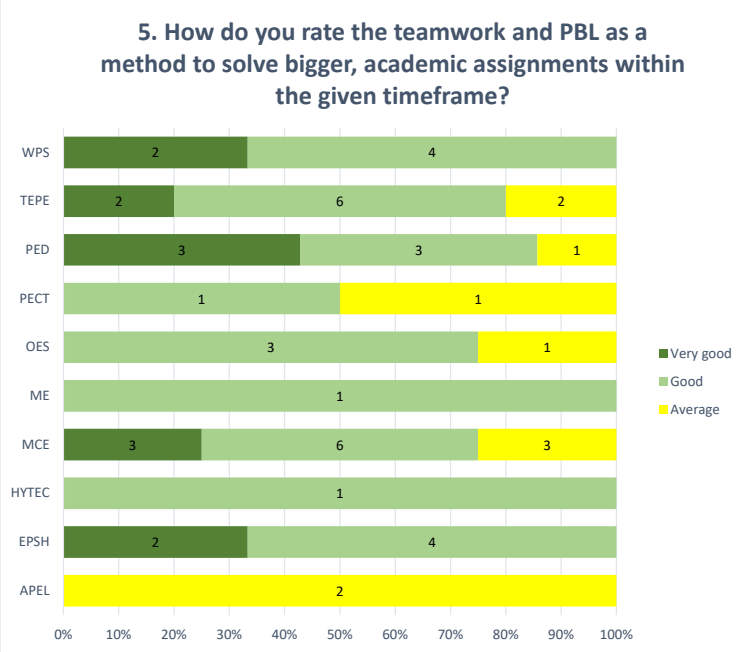
4.5.3: 5th semester



4.5.4: 7th semester



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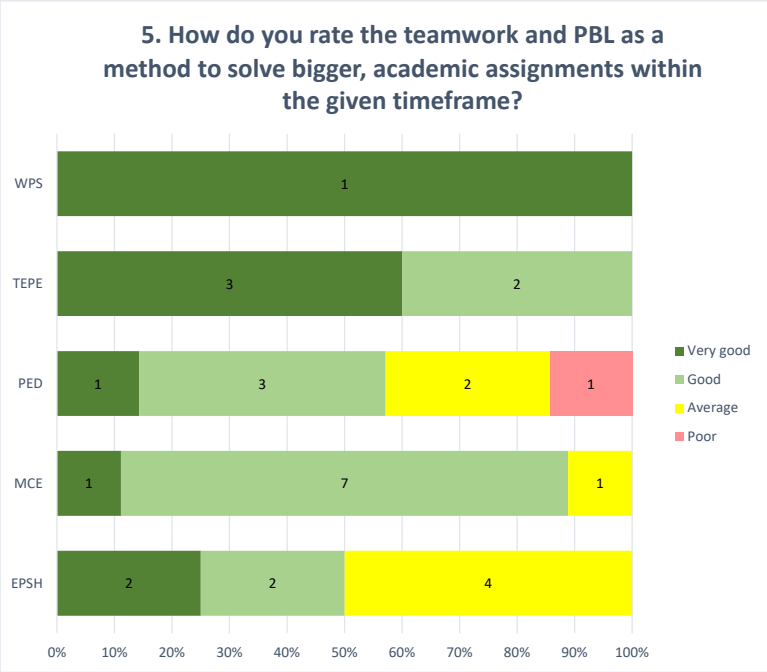
4.5.5: 9th semester



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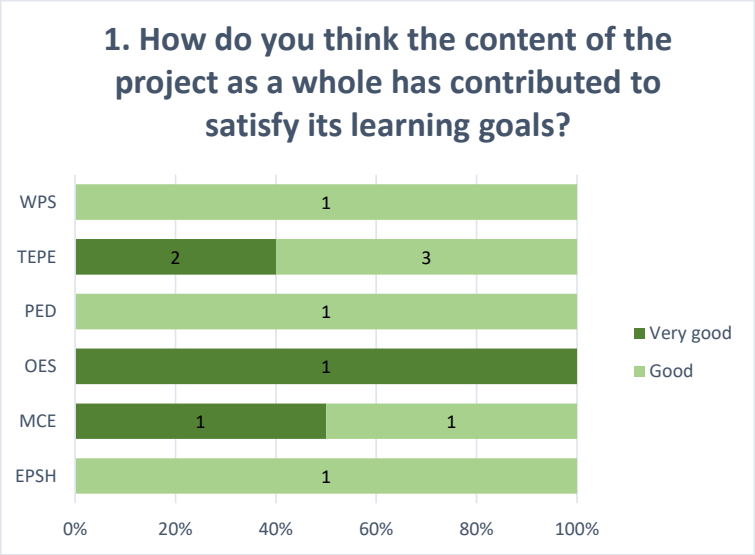
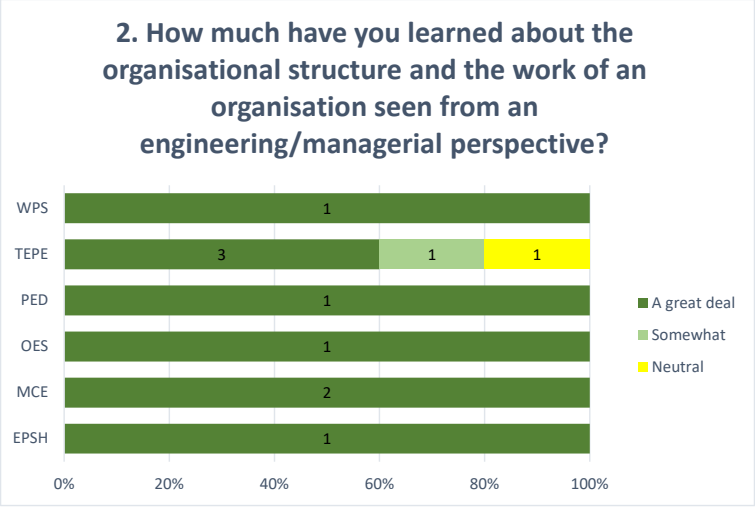
5. Project-Oriented Study in an External Organisation

5.1 How do you think the content of the project as a whole has contributed to satisfy its learning goals?



5.2 How much have you learned about the organisational structure and the work of an organisation seen from an engineering/managerial perspective?



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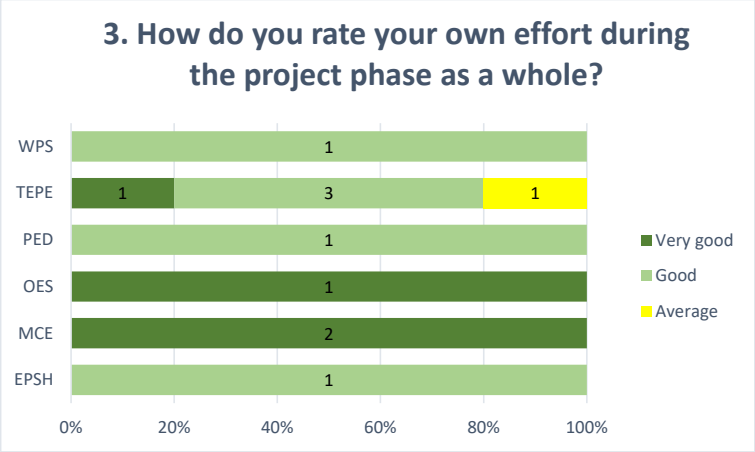
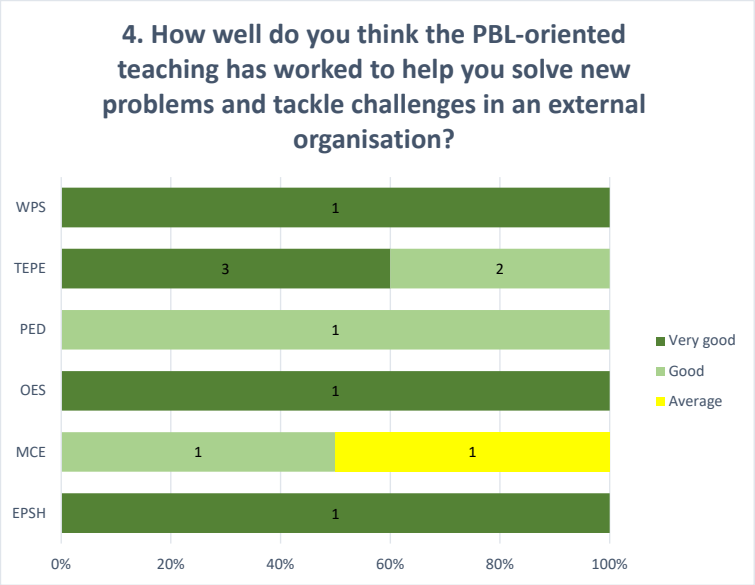
5.3 How do you rate your own effort during the project phase as a whole?



5.4 How well do you think the PBL-oriented teaching has worked to help you solve new problems and tackle challenges in an external organisation?



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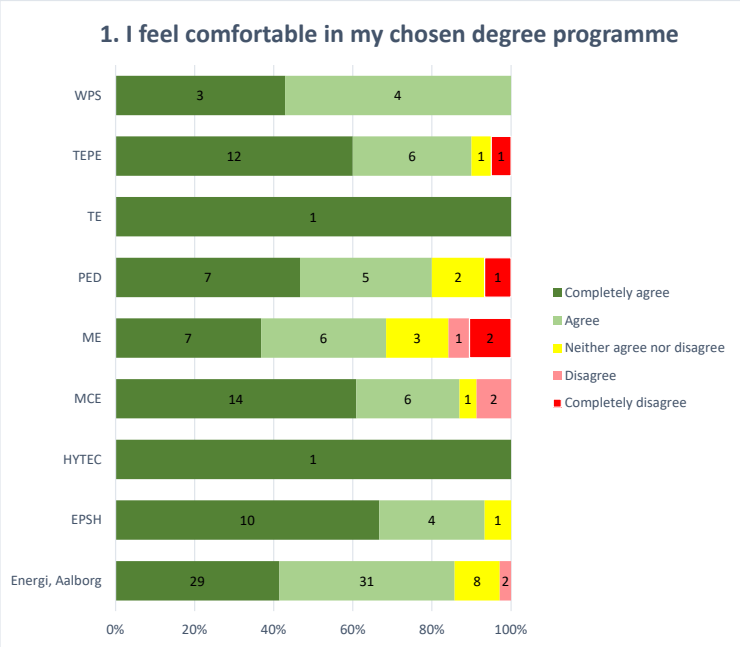
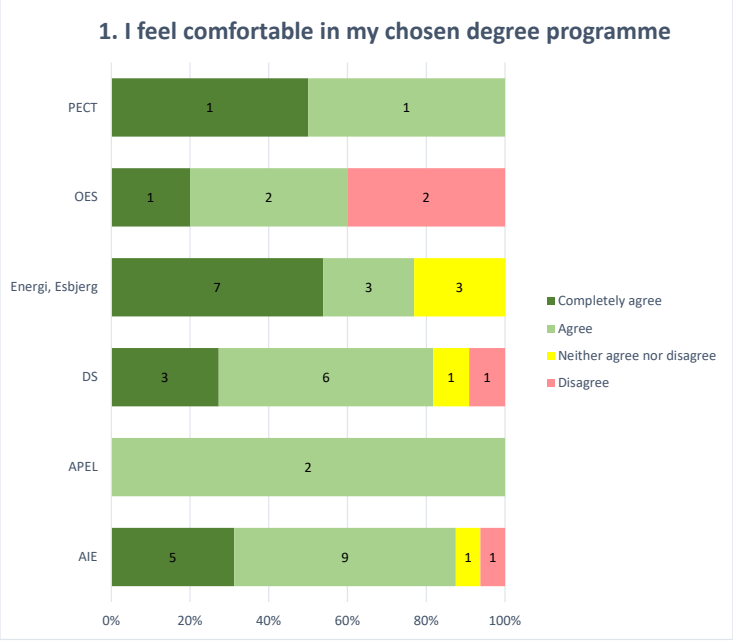
6. Study Environment

6.1 I feel comfortable in my chosen degree programme

6.1.1 Campus Aalborg 1st-9th semester



6.1.2 Campus Esbjerg 1st-9th semester



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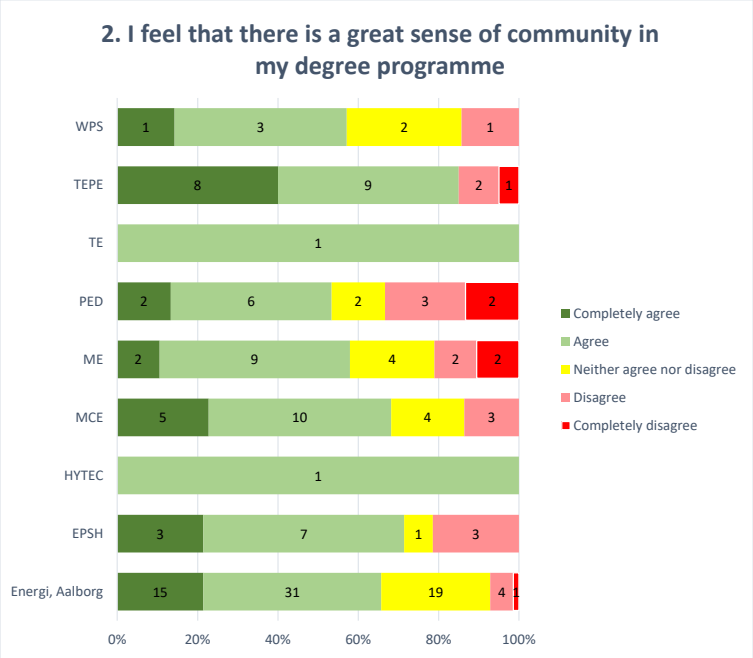
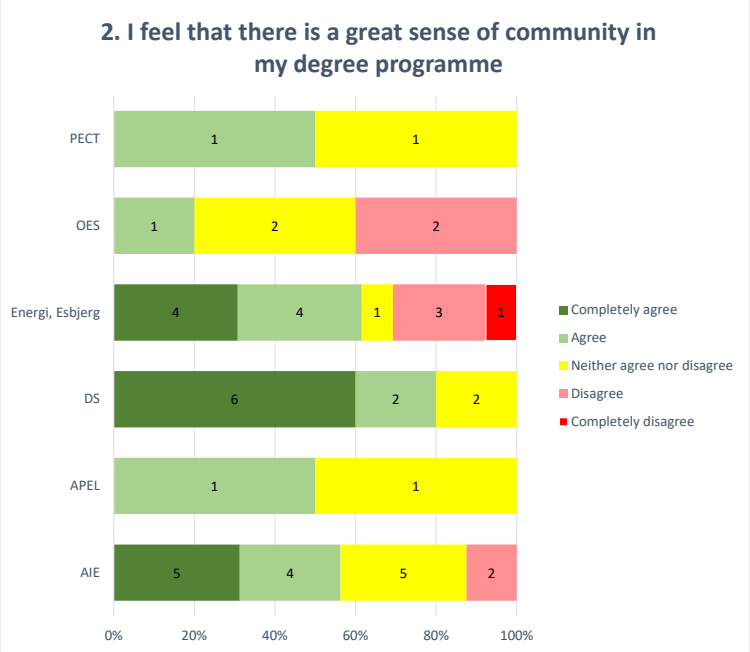
6.2 I feel that there is a great sense of community in my degree programme

6.2.1 Campus Aalborg 1st-9th semester



6.2.2 Campus Esbjerg 1st-9th semester



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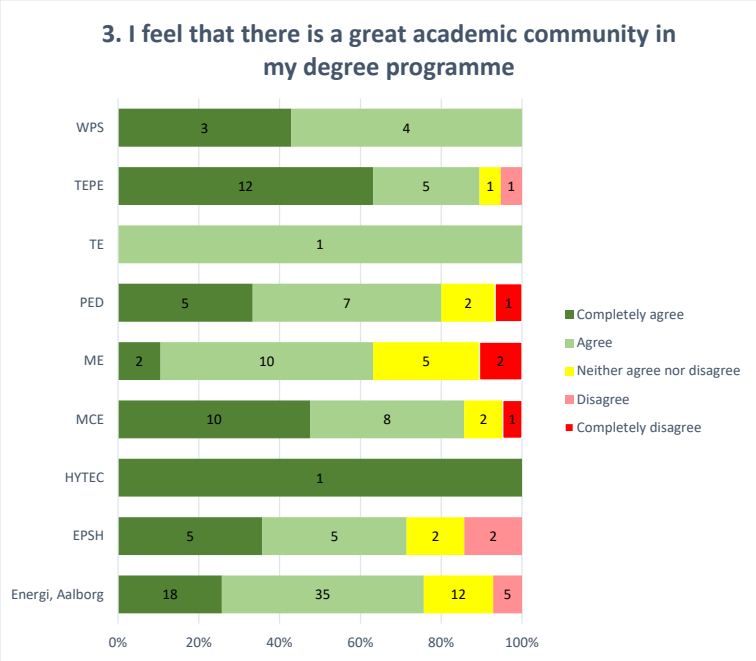
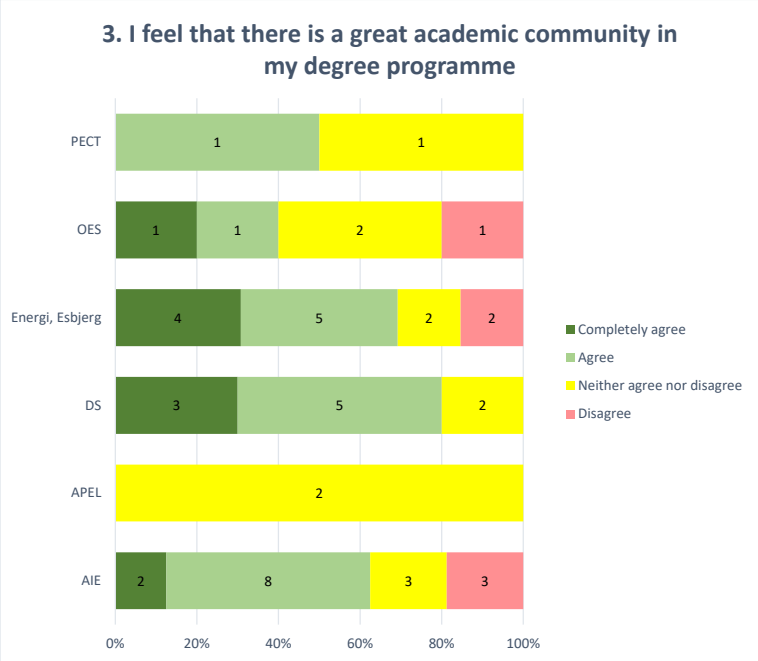
6.3 I feel that there is a great academic community in my degree programme

6.3.1 Campus Aalborg 1st-9th semester



6.3.2 Campus Esbjerg 1st-9th semester



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Abbreviations

- AIE: Applied Industrial Electronics
- APEL: Advanced Power Electronics
- DS: Dynamic Systems
- ED: Electronics and Computer Engineering
- EE: Electrical Energy
- EN: Energy
- EPSH: Electric Power Systems and High Voltage Engineering
- HYTEC: Fuel Cells and Hydrogen Technology
- IRS: Intelligent Reliable Systems
- MCE: Mechatronic Control Engineering
- ME: Mechatronics
- OES: Offshore Energy Systems
- PECT: Proces Engineering and Combustion Technology
- PED: Power Electronics and Drives
- TE: Thermal Energy
- TEPE: Thermal Energy and Process Engineering
- WPS: Wind Power Systems