



LUNDS
UNIVERSITET

Matematikcentrum

Matematik NF

Kursbokslut, Course review MATM19, Integration Theory, spring term 2020

Course responsible: Marcus Carlsson

Number of students: 31.

Grades: 7 VG, 6 G, 0 U.

Evaluation

3 students did the evaluation. Comments are overall very positive. To small sample to draw any conclusions.

Sammanfattning av kursvärderingen, student evaluation:

Students are overall happy with all parts of the course. One student points out that the course is very difficult and maybe more prerequisites would be better. He did not feel prepared enough. As a teacher I agree, this course is very demanding and students who have not reached sufficient maturity should be warned.

Lärarnas kommentarer, teachers comments:

None.

Evaluation of changes:

No changes

Suggestion for changes:

Either demand more credits before this course, or make it clear to students upon enrollment that the course is very demanding.

Evaluator: Marcus Carlsson.

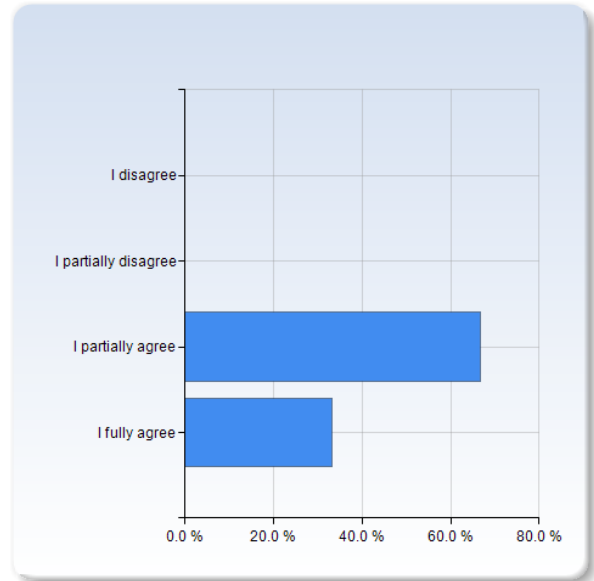
Integration theory VT 2020

Answer Count: 3

The course in general

The content of the course matched my expectations.

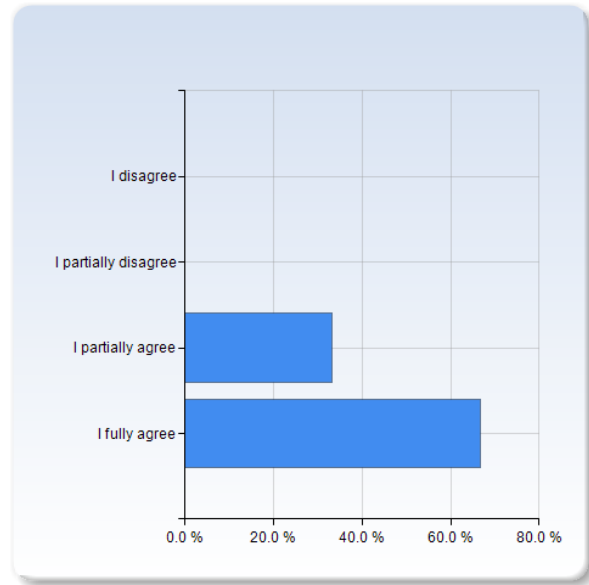
The content of the course matched my expectations.	Number of Responses
I disagree	0 (0.0%)
I partially disagree	0 (0.0%)
I partially agree	2 (66.7%)
I fully agree	1 (33.3%)
Total	3 (100.0%)



	Mean	Standard Deviation
The content of the course matched my expectations.	3.3	0.6

The information about the course (schedule, exam etc.) via Internet has been satisfactory.

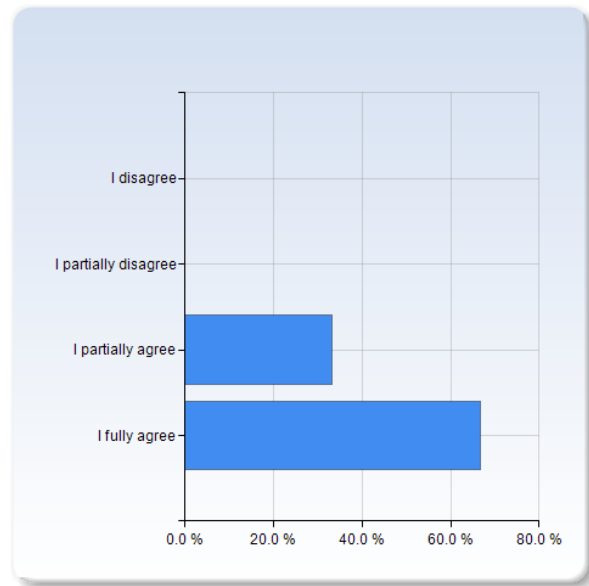
The information about the course (schedule, exam etc.) via Internet has been satisfactory.	Number of Responses
I disagree	0 (0.0%)
I partially disagree	0 (0.0%)
I partially agree	1 (33.3%)
I fully agree	2 (66.7%)
Total	3 (100.0%)



	Mean	Standard Deviation
The information about the course (schedule, exam etc.) via Internet has been satisfactory.	3.7	0.6

The information about the course (schedules, exam etc.) via lectures/and seminars has been satisfactory.

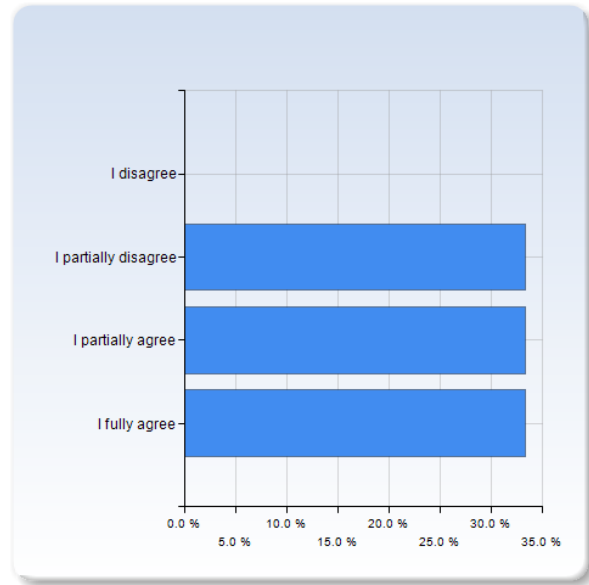
The information about the course (schedules, exam etc.) via lectures/and seminars has been satisfactory.	Number of Responses
I disagree	0 (0.0%)
I partially disagree	0 (0.0%)
I partially agree	1 (33.3%)
I fully agree	2 (66.7%)
Total	3 (100.0%)



	Mean	Standard Deviation
The information about the course (schedules, exam etc.) via lectures/and seminars has been satisfactory.	3.7	0.6

The course was organized in a satisfactory manner.

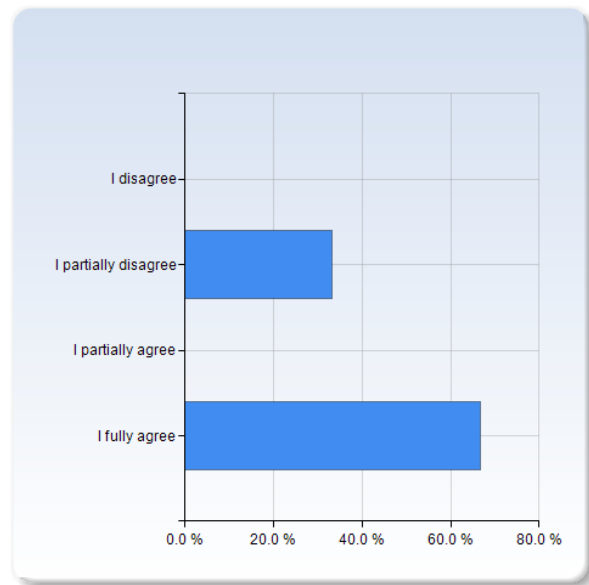
The course was organized in a satisfactory manner.	Number of Responses
I disagree	0 (0.0%)
I partially disagree	1 (33.3%)
I partially agree	1 (33.3%)
I fully agree	1 (33.3%)
Total	3 (100.0%)



	Mean	Standard Deviation
The course was organized in a satisfactory manner.	3.0	1.0

The course material has been comprehensible.

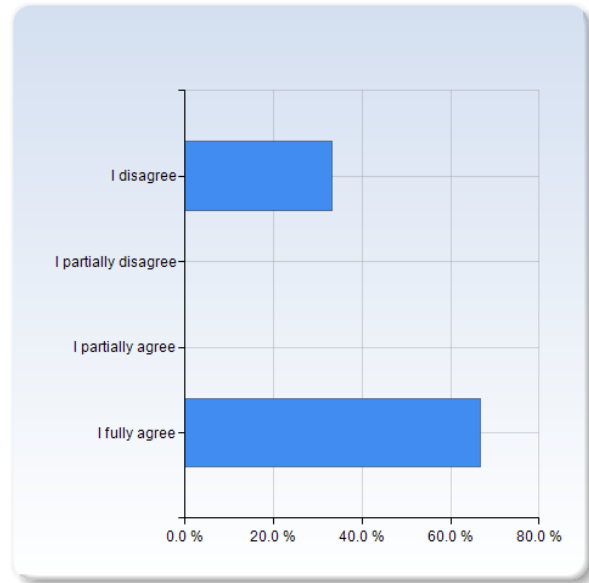
The course material has been comprehensible.	Number of Responses
I disagree	0 (0.0%)
I partially disagree	1 (33.3%)
I partially agree	0 (0.0%)
I fully agree	2 (66.7%)
Total	3 (100.0%)



	Mean	Standard Deviation
The course material has been comprehensible.	3.3	1.2

My prior knowledge has been sufficient in order to be able to assimilate the contents of the course.

My prior knowledge has been sufficient in order to be able to assimilate the contents of the course.	Number of Responses
I disagree	1 (33.3%)
I partially disagree	0 (0.0%)
I partially agree	0 (0.0%)
I fully agree	2 (66.7%)
Total	3 (100.0%)

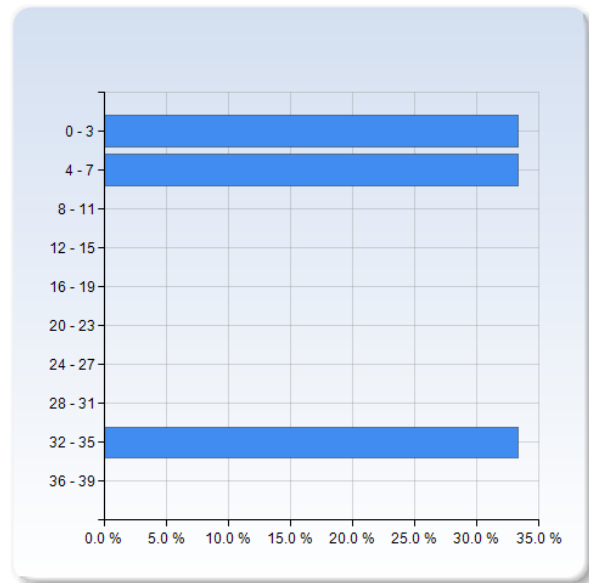


My prior knowledge has been sufficient in order to be able to assimilate the contents of the course.	Mean	Standard Deviation
My prior knowledge has been sufficient in order to be able to assimilate the contents of the course.	3.0	1.7

How many hours per week have you spent on studying for this course, including scheduled hours?

How many hours per week have you spent on studying for this course, including scheduled hours? - From

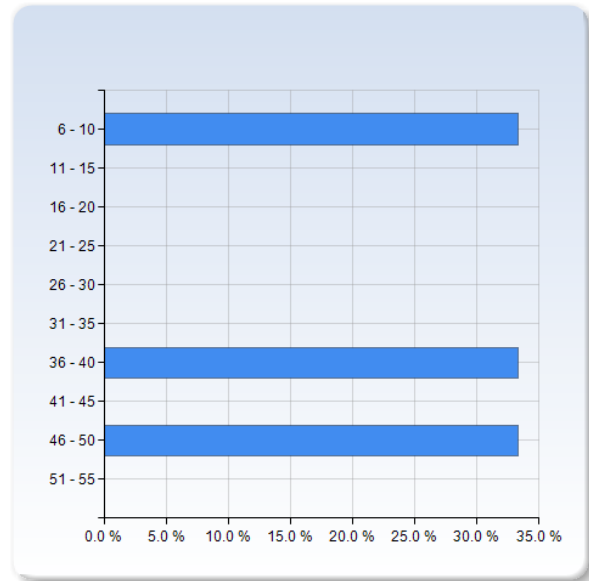
How many hours per week have you spent on studying for this course, including scheduled hours? - From	Number of Responses
0 - 3	1 (33.3%)
4 - 7	1 (33.3%)
8 - 11	0 (0.0%)
12 - 15	0 (0.0%)
16 - 19	0 (0.0%)
20 - 23	0 (0.0%)
24 - 27	0 (0.0%)
28 - 31	0 (0.0%)
32 - 35	1 (33.3%)
36 - 39	0 (0.0%)
Total	3 (100.0%)



How many hours per week have you spent on studying for this course, including scheduled hours? - From	Mean	Standard Deviation
How many hours per week have you spent on studying for this course, including scheduled hours? - From	14.3	18.0

How many hours per week have you spent on studying for this course, including scheduled hours? - To

How many hours per week have you spent on studying for this course, including scheduled hours? - To	Number of Responses
6 - 10	1 (33.3%)
11 - 15	0 (0.0%)
16 - 20	0 (0.0%)
21 - 25	0 (0.0%)
26 - 30	0 (0.0%)
31 - 35	0 (0.0%)
36 - 40	1 (33.3%)
41 - 45	0 (0.0%)
46 - 50	1 (33.3%)
51 - 55	0 (0.0%)
Total	3 (100.0%)

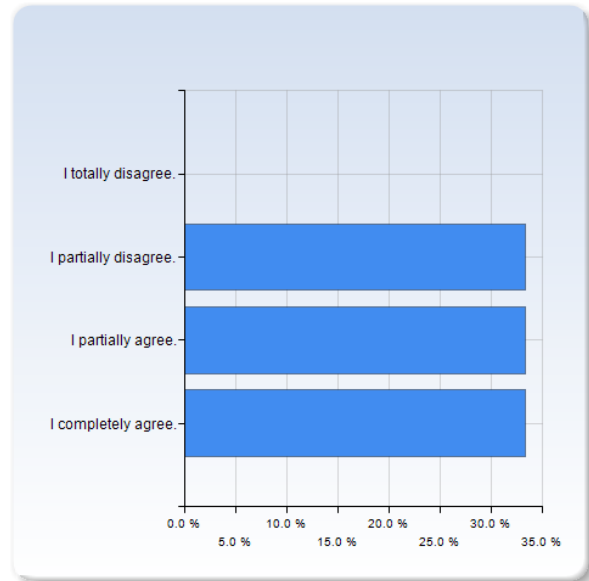


	Mean	Standard Deviation
How many hours per week have you spent on studying for this course, including scheduled hours? - To	33.3	20.8

Course literature, course material

The course literature has been informative and relevant.

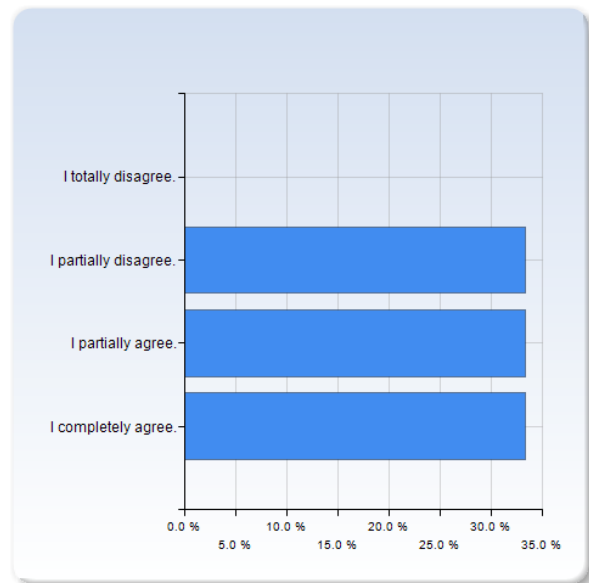
The course literature has been informative and relevant.	Number of Responses
I totally disagree.	0 (0.0%)
I partially disagree.	1 (33.3%)
I partially agree.	1 (33.3%)
I completely agree.	1 (33.3%)
Total	3 (100.0%)



	Mean	Standard Deviation
The course literature has been informative and relevant.	3.0	1.0

I have used the course literature and material extensively.

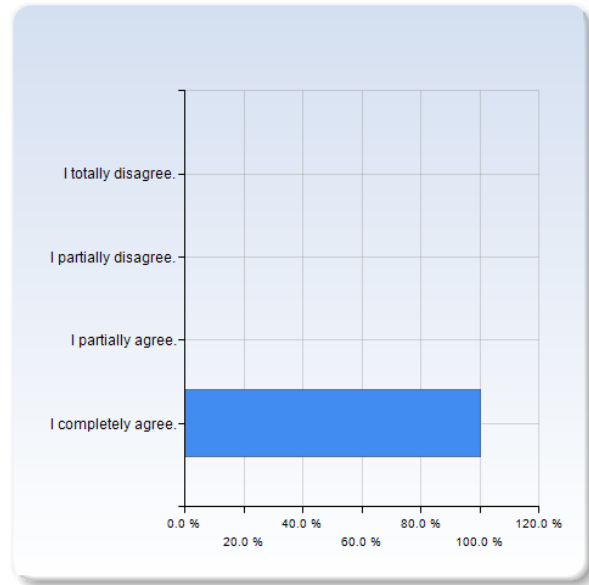
I have used the course literature and material extensively.	Number of Responses
I totally disagree.	0 (0.0%)
I partially disagree.	1 (33.3%)
I partially agree.	1 (33.3%)
I completely agree.	1 (33.3%)
Total	3 (100.0%)



	Mean	Standard Deviation
I have used the course literature and material extensively.	3.0	1.0

The complementary course material has been satisfactory.

The complementary course material has been satisfactory.	Number of Responses
I totally disagree.	0 (0.0%)
I partially disagree.	0 (0.0%)
I partially agree.	0 (0.0%)
I completely agree.	2 (100.0%)
Total	2 (100.0%)

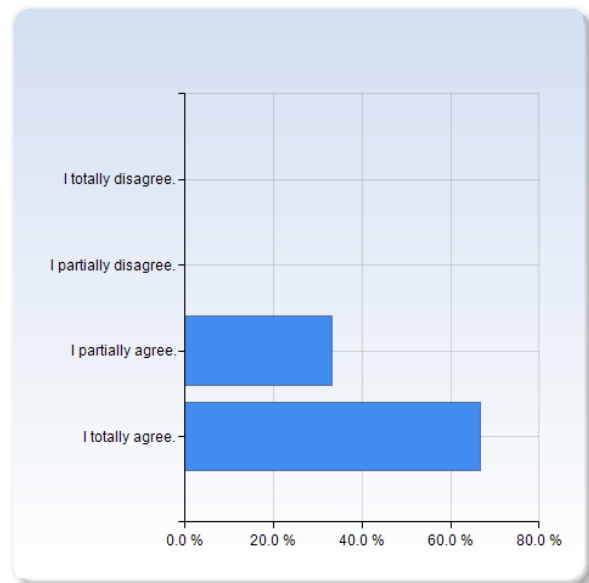


	Mean	Standard Deviation
The complementary course material has been satisfactory.	4.0	0.0

The course website

The course website was easy to reach and navigate.

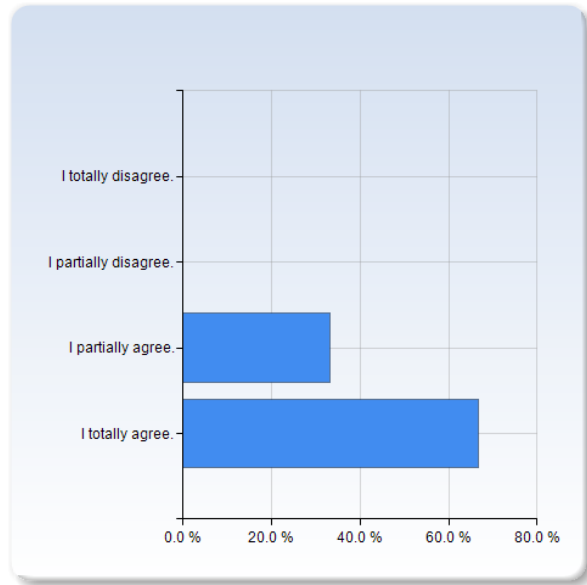
The course website was easy to reach and navigate.	Number of Responses
I totally disagree.	0 (0.0%)
I partially disagree.	0 (0.0%)
I partially agree.	1 (33.3%)
I totally agree.	2 (66.7%)
Total	3 (100.0%)



	Mean	Standard Deviation
The course website was easy to reach and navigate.	3.7	0.6

I have used the course website extensively during the course.

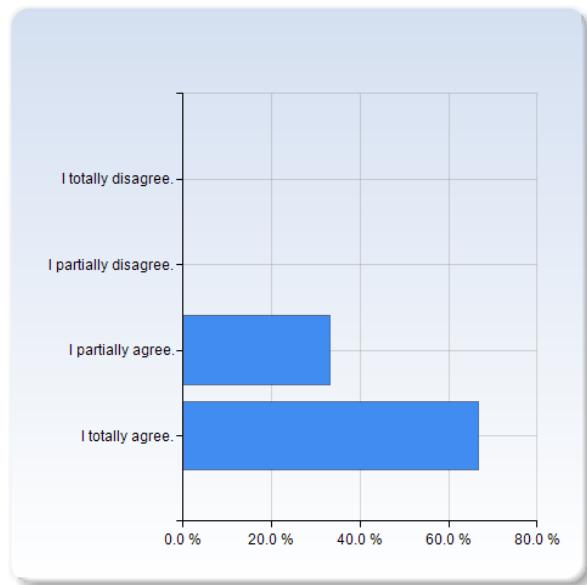
I have used the course website extensively during the course.	Number of Responses
I totally disagree.	0 (0.0%)
I partially disagree.	0 (0.0%)
I partially agree.	1 (33.3%)
I totally agree.	2 (66.7%)
Total	3 (100.0%)



	Mean	Standard Deviation
I have used the course website extensively during the course.	3.7	0.6

The information posted on the course website has been satisfactory.

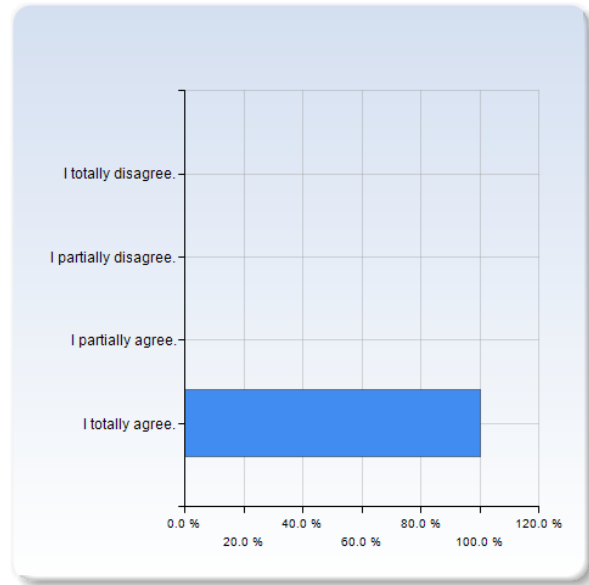
The information posted on the course website has been satisfactory.	Number of Responses
I totally disagree.	0 (0.0%)
I partially disagree.	0 (0.0%)
I partially agree.	1 (33.3%)
I totally agree.	2 (66.7%)
Total	3 (100.0%)



	Mean	Standard Deviation
The information posted on the course website has been satisfactory.	3.7	0.6

The material posted on the course website has been relevant.

The material posted on the course website has been relevant.	Number of Responses
I totally disagree.	0 (0.0%)
I partially disagree.	0 (0.0%)
I partially agree.	0 (0.0%)
I totally agree.	2 (100.0%)
Total	2 (100.0%)



	Mean	Standard Deviation
The material posted on the course website has been relevant.	4.0	0.0

Other comments about the course in general:

What did you like the most about the course?

What did you like the most about the course?

The theorems were presented well, much better than in the book. The teacher seems passionate about the subject.

What features of the course need improvement?

What features of the course need improvement?

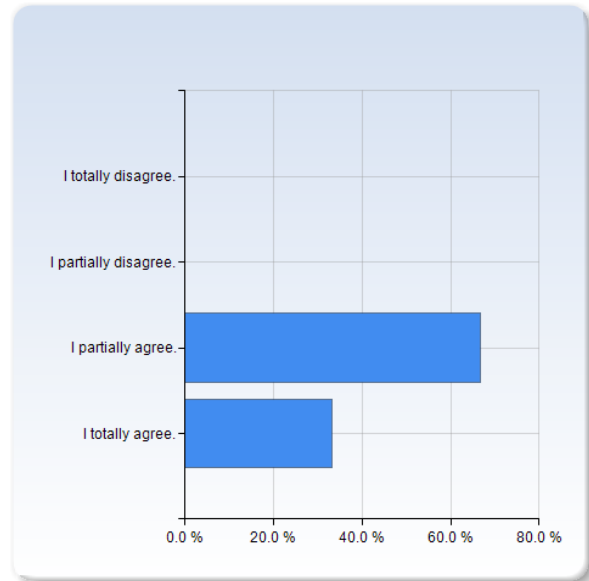
Almost no answers to exercises or a seminar that talks about them (aside from a few lunch things). It is very important for students to not only actively work with the new concepts, but also to get feedback on that work in one way or another: maybe an answer that you think is correct is actually wrong, or it is an alternative solution that might also work or not, maybe there is an unclear part, etc. That is usually the part of a course where I and many others learn the most. Due to this I was actually more worried about the written exam than the oral.

The entry requirements and/or recommendations need to be more strict. 60 HP in maths is not nearly enough. I have more HP and still did not have enough background knowledge at the start of the course and should have at least been discouraged to pick this course given my background. To start this course I would say you need more experience/maturity with maths in general (like 90 or 120 HP), but also specifically with algebraic systems of sets (maybe Topology?) and Hilbert and Banach spaces, esp. related to functions (maybe Linear Functional Analysis?). Also I would recommend taking Linear Analysis before taking this course.

Lectures

The planning of the lectures has been satisfactory.

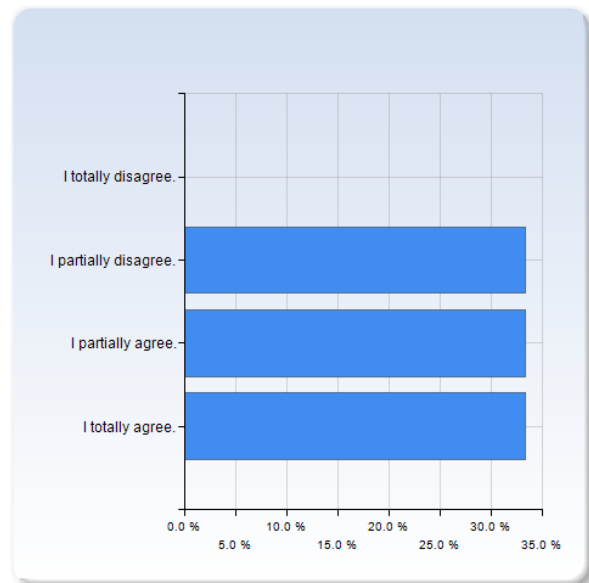
The planning of the lectures has been satisfactory.	Number of Responses
I totally disagree.	0 (0.0%)
I partially disagree.	0 (0.0%)
I partially agree.	2 (66.7%)
I totally agree.	1 (33.3%)
Total	3 (100.0%)



	Mean	Standard Deviation
The planning of the lectures has been satisfactory.	3.3	0.6

The number of lectures has been satisfactory.

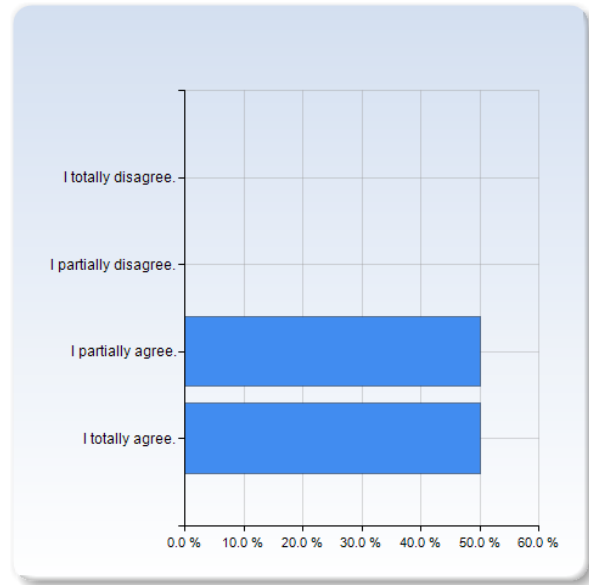
The number of lectures has been satisfactory.	Number of Responses
I totally disagree.	0 (0.0%)
I partially disagree.	1 (33.3%)
I partially agree.	1 (33.3%)
I totally agree.	1 (33.3%)
Total	3 (100.0%)



	Mean	Standard Deviation
The number of lectures has been satisfactory.	3.0	1.0

The pace of the lectures matched the content of the course.

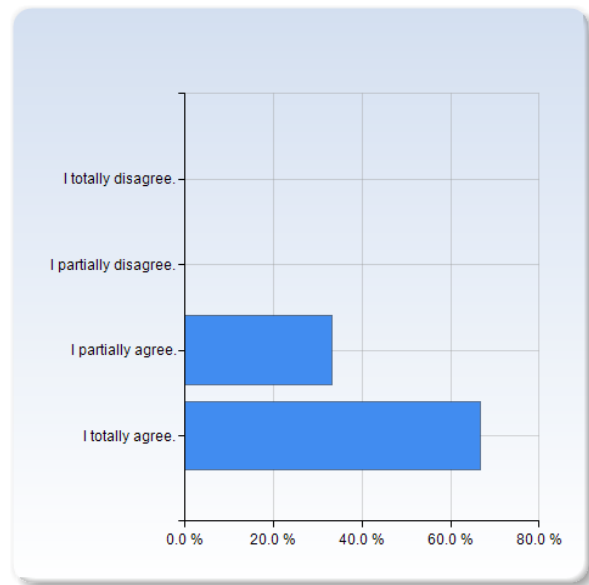
The pace of the lectures matched the content of the course.	Number of Responses
I totally disagree.	0 (0.0%)
I partially disagree.	0 (0.0%)
I partially agree.	1 (50.0%)
I totally agree.	1 (50.0%)
Total	2 (100.0%)



	Mean	Standard Deviation
The pace of the lectures matched the content of the course.	3.5	0.7

The lecturer presented the material in a pedagogical manner.

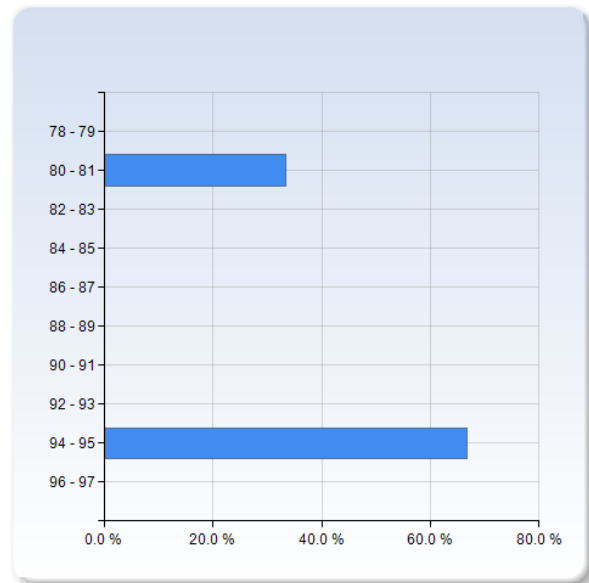
The lecturer presented the material in a pedagogical manner.	Number of Responses
I totally disagree.	0 (0.0%)
I partially disagree.	0 (0.0%)
I partially agree.	1 (33.3%)
I totally agree.	2 (66.7%)
Total	3 (100.0%)



	Mean	Standard Deviation
The lecturer presented the material in a pedagogical manner.	3.7	0.6

To which extent did you attend the lectures? (percentage)

To which extent did you attend the lectures? (percentage)	Number of Responses
78 - 79	0 (0.0%)
80 - 81	1 (33.3%)
82 - 83	0 (0.0%)
84 - 85	0 (0.0%)
86 - 87	0 (0.0%)
88 - 89	0 (0.0%)
90 - 91	0 (0.0%)
92 - 93	0 (0.0%)
94 - 95	2 (66.7%)
96 - 97	0 (0.0%)
Total	3 (100.0%)



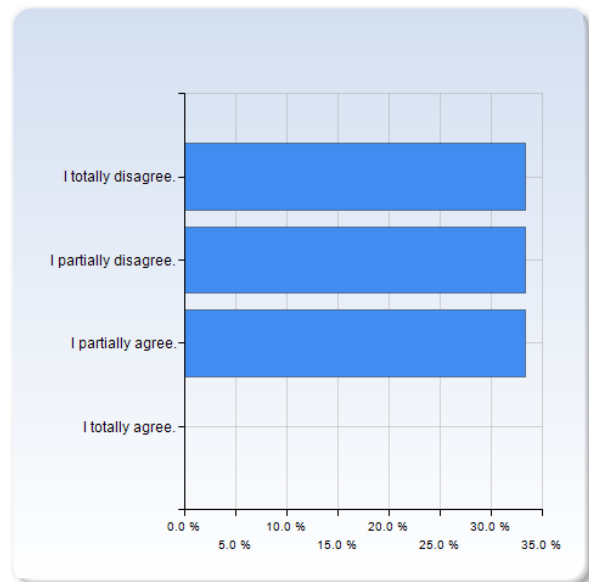
To which extent did you attend the lectures? (percentage)	Mean	Standard Deviation
	90.0	8.7

Other comments regarding the lectures:

Seminars

The number of seminars has been satisfactory.

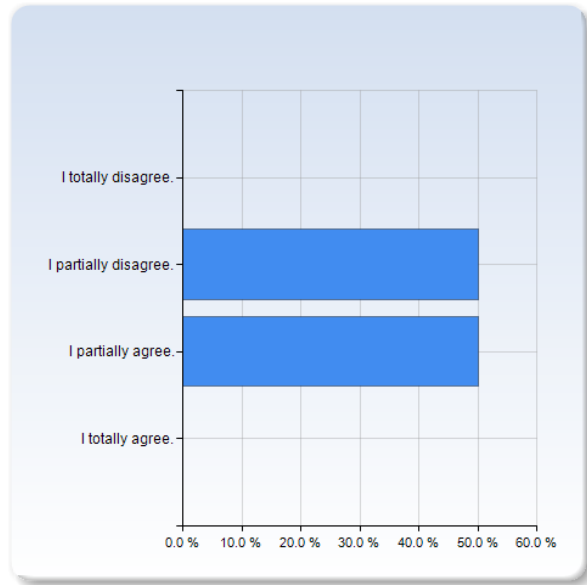
The number of seminars has been satisfactory.	Number of Responses
I totally disagree.	1 (33.3%)
I partially disagree.	1 (33.3%)
I partially agree.	1 (33.3%)
I totally agree.	0 (0.0%)
Total	3 (100.0%)



The number of seminars has been satisfactory.	Mean	Standard Deviation
	2.0	1.0

The teaching form and planning of the seminars has been satisfactory.

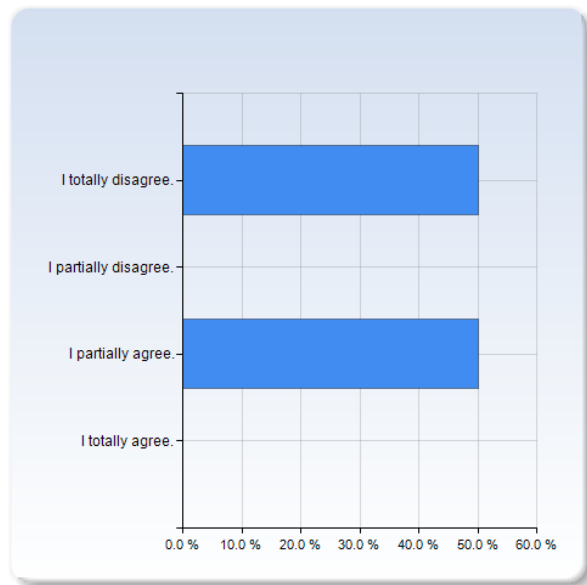
The teaching form and planning of the seminars has been satisfactory.	Number of Responses
I totally disagree.	0 (0.0%)
I partially disagree.	1 (50.0%)
I partially agree.	1 (50.0%)
I totally agree.	0 (0.0%)
Total	2 (100.0%)



The teaching form and planning of the seminars has been satisfactory.	Mean	Standard Deviation
	2.5	0.7

The seminars contributed to increase my understanding of the subject.

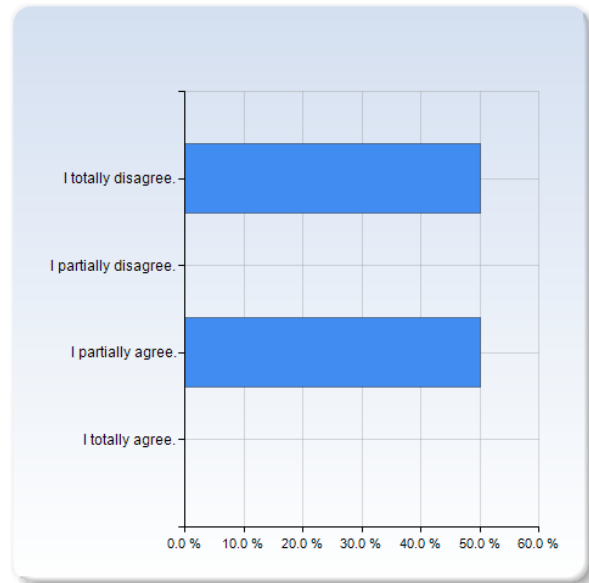
The seminars contributed to increase my understanding of the subject.	Number of Responses
I totally disagree.	1 (50.0%)
I partially disagree.	0 (0.0%)
I partially agree.	1 (50.0%)
I totally agree.	0 (0.0%)
Total	2 (100.0%)



	Mean	Standard Deviation
The seminars contributed to increase my understanding of the subject.	2.0	1.4

I have actively participated in the seminars.

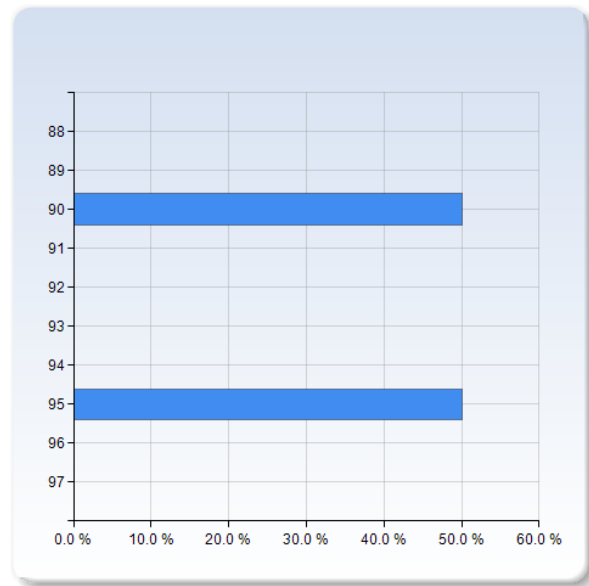
I have actively participated in the seminars.	Number of Responses
I totally disagree.	1 (50.0%)
I partially disagree.	0 (0.0%)
I partially agree.	1 (50.0%)
I totally agree.	0 (0.0%)
Total	2 (100.0%)



	Mean	Standard Deviation
I have actively participated in the seminars.	2.0	1.4

To which extent did you attend the seminars? (percentage)

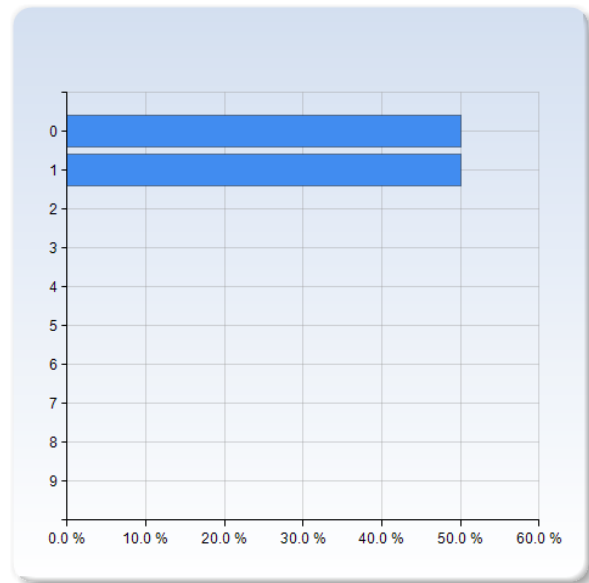
To which extent did you attend the seminars? (percentage)	Number of Responses
88	0 (0.0%)
89	0 (0.0%)
90	1 (50.0%)
91	0 (0.0%)
92	0 (0.0%)
93	0 (0.0%)
94	0 (0.0%)
95	1 (50.0%)
96	0 (0.0%)
97	0 (0.0%)
Total	2 (100.0%)



To which extent did you attend the seminars? (percentage)	Mean	Standard Deviation
	92.5	3.5

How many hours did you spend to prepare for the seminars?

How many hours did you spend to prepare for the seminars?	Number of Responses
0	1 (50.0%)
1	1 (50.0%)
2	0 (0.0%)
3	0 (0.0%)
4	0 (0.0%)
5	0 (0.0%)
6	0 (0.0%)
7	0 (0.0%)
8	0 (0.0%)
9	0 (0.0%)
Total	2 (100.0%)



How many hours did you spend to prepare for the seminars?	Mean	Standard Deviation
	0.5	0.7

Other comments regarding the seminars.

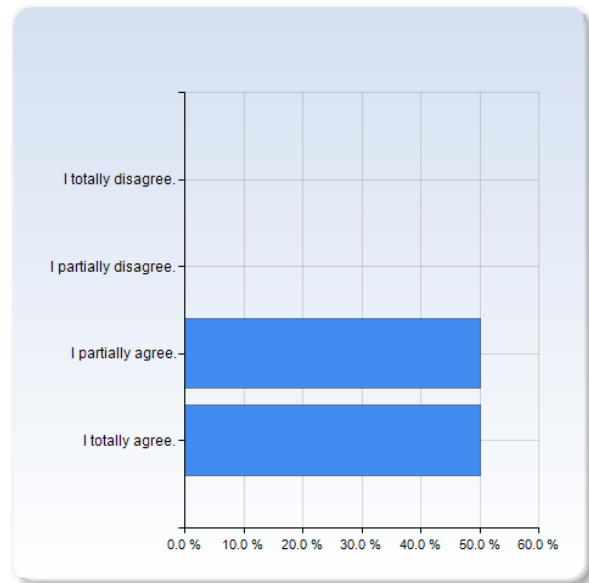
Other comments regarding the seminars.

There was no opportunity for students to present their solutions to exercises, which was a bit boring.

Projects, assignments

The degree of difficulty of the assignments matched the content of the course.

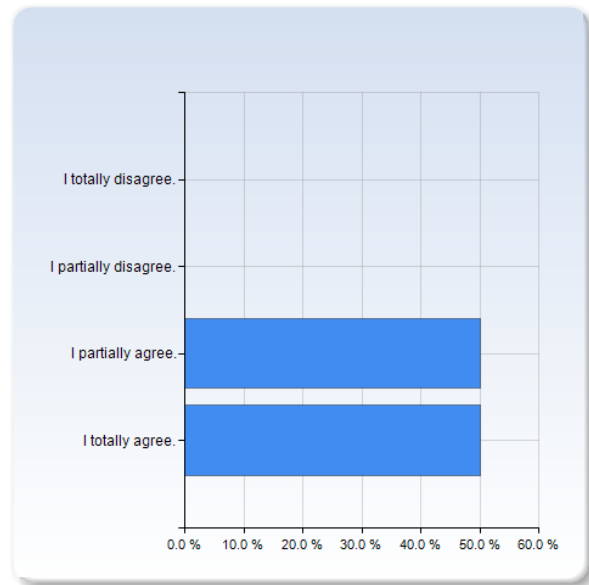
The degree of difficulty of the assignments matched the content of the course.	Number of Responses
I totally disagree.	0 (0.0%)
I partially disagree.	0 (0.0%)
I partially agree.	1 (50.0%)
I totally agree.	1 (50.0%)
Total	2 (100.0%)



	Mean	Standard Deviation
The degree of difficulty of the assignments matched the content of the course.	3.5	0.7

The assignments contributed to increase my understanding of the subject.

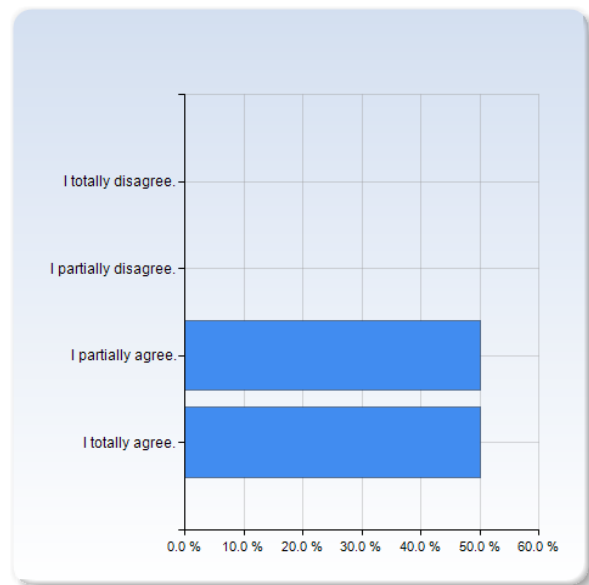
The assignments contributed to increase my understanding of the subject.	Number of Responses
I totally disagree.	0 (0.0%)
I partially disagree.	0 (0.0%)
I partially agree.	1 (50.0%)
I totally agree.	1 (50.0%)
Total	2 (100.0%)



	Mean	Standard Deviation
The assignments contributed to increase my understanding of the subject.	3.5	0.7

The assignments contributed to increase my ability to communicate my mathematical knowledge.

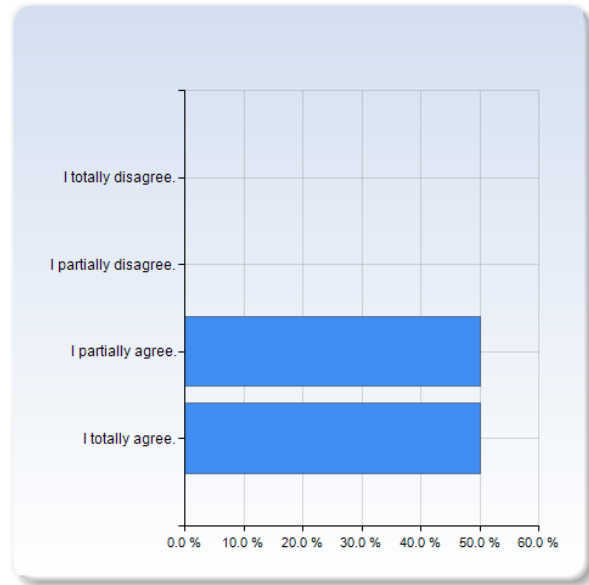
The assignments contributed to increase my ability to communicate my mathematical knowledge.	Number of Responses
I totally disagree.	0 (0.0%)
I partially disagree.	0 (0.0%)
I partially agree.	1 (50.0%)
I totally agree.	1 (50.0%)
Total	2 (100.0%)



	Mean	Standard Deviation
The assignments contributed to increase my ability to communicate my mathematical knowledge.	3.5	0.7

The planning and implementation of the assignments has been satisfactory.

The planning and implementation of the assignments has been satisfactory.	Number of Responses
I totally disagree.	0 (0.0%)
I partially disagree.	0 (0.0%)
I partially agree.	1 (50.0%)
I totally agree.	1 (50.0%)
Total	2 (100.0%)



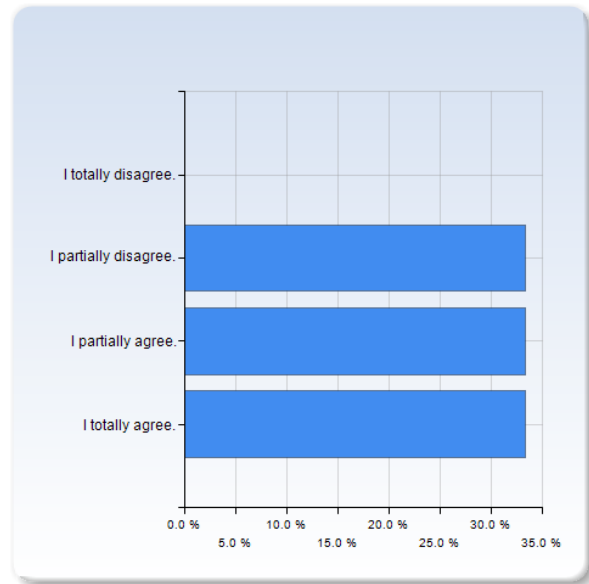
The planning and implementation of the assignments has been satisfactory.	Mean	Standard Deviation
	3.5	0.7

Other comments about the assignments:

Examination

The examination form has been satisfactory.

The examination form has been satisfactory.	Number of Responses
I totally disagree.	0 (0.0%)
I partially disagree.	1 (33.3%)
I partially agree.	1 (33.3%)
I totally agree.	1 (33.3%)
Total	3 (100.0%)



The examination form has been satisfactory.	Mean	Standard Deviation
	3.0	1.0

The degree of difficulty of the examination matched the content of the course.

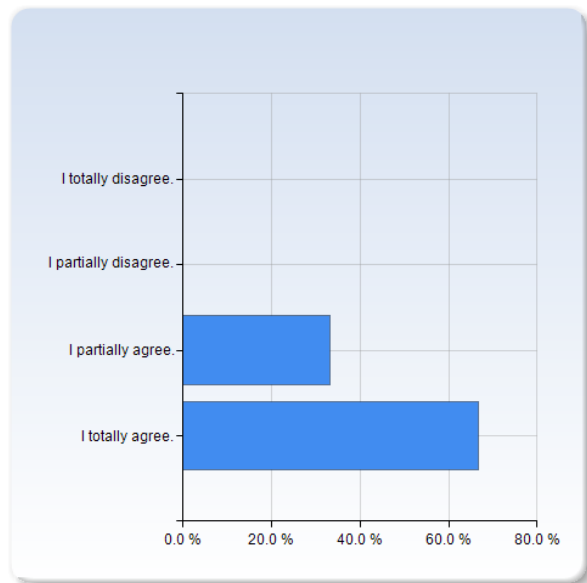
The degree of difficulty of the examination matched the content of the course.	Number of Responses
I totally disagree.	0 (0.0%)
I partially disagree.	1 (33.3%)
I partially agree.	0 (0.0%)
I totally agree.	2 (66.7%)
Total	3 (100.0%)



	Mean	Standard Deviation
The degree of difficulty of the examination matched the content of the course.	3.3	1.2

The exam questions reflected the content of the course and matched the learning objectives.

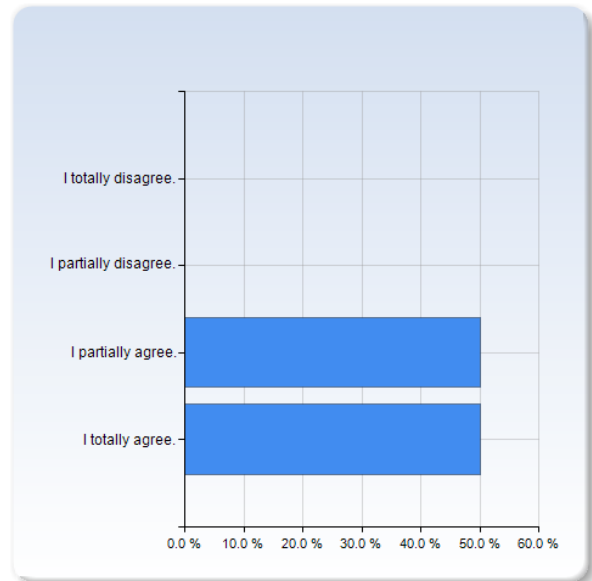
The exam questions reflected the content of the course and matched the learning objectives.	Number of Responses
I totally disagree.	0 (0.0%)
I partially disagree.	0 (0.0%)
I partially agree.	1 (33.3%)
I totally agree.	2 (66.7%)
Total	3 (100.0%)



	Mean	Standard Deviation
The exam questions reflected the content of the course and matched the learning objectives.	3.7	0.6

The grade that I received on the exam reflects my work during the course.

The grade that I received on the exam reflects my work during the course.	Number of Responses
I totally disagree.	0 (0.0%)
I partially disagree.	0 (0.0%)
I partially agree.	1 (50.0%)
I totally agree.	1 (50.0%)
Total	2 (100.0%)



	Mean	Standard Deviation
The grade that I received on the exam reflects my work during the course.	3.5	0.7

Other comments regarding the examination:

Other comments regarding the examination:

There were a lot of small mistakes in the exam and overall I think it was quite a bit harder than the old exams

What is your opinion about this course evaluation form?

What is your opinion about this course evaluation form?

Confusing