Sammanställning för MATM33 Differentialgeometri, ht 2021

Kursansvarig: Sigmundur Gudmundsson
Övriga lärare: Inga
Antal studenter: 28
Betyg vid ordinarie tentamen: 11 V, 6 G, 6 U
Betyg vid omtentamen: 3 V, 2 G, 6 U

Utvärdering

Sammanfattning av kursvärderingen:
Se Bilaga 1.

Lärarens kommentarer:
Kursen gick bra och studenterna verkade vara nöjda. På grund av Covid-19 delades studentgruppen upp i två delgrupper. Vid varje tillfälle var hälften välkomna i klassrummet och resten kunne följa föreläsningarna/seminarierna via Zoom. Detta fungerade rätt så bra.

Utvärdering av förändringar sedan förra kurstillfället:
Föreläsningsnoterna samt övningar ligger öppet på internet. Dessa uppdateras regelbundet efter föreläsningarna/seminarierna. Tidigare kursvärderingar har inte föranlett några förändringar.

Förslag till förändringar inför nästa kurstillfälle:
Inga

Sammanställare och datum för sammanställningen:

Sigmundur Gudmundsson, 3 december 2021.

I have studied this course as part of

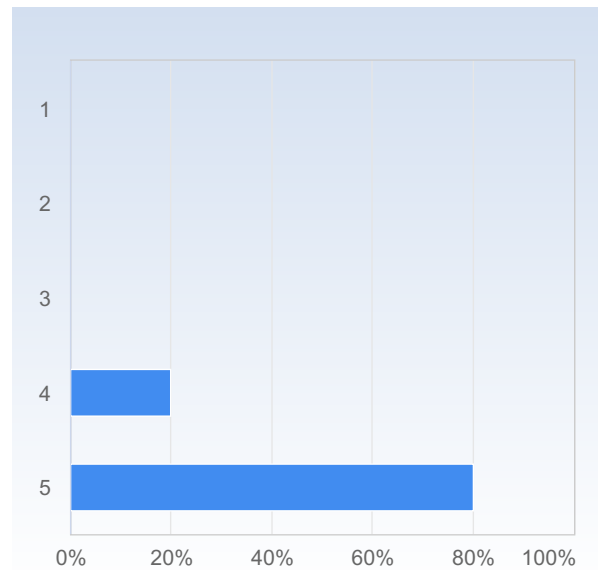| I have studied this course as part of	Number of responses
Bachelor´s Programme in Mathematics	5 (50,0%)
Bachelor´s Programme in Physics, Theoretical Physics, Astronomy	0 (0,0%)
Bachelor´s Programme, other specialization	0 (0,0%)
Master's Programme in Mathematics	2 (20,0%)
Master´s Programme in Mathematical Statistics	0 (0,0%)
Master´s Programme, other specialization	0 (0,0%)
Teacher Education	0 (0,0%)
other programme or as stand alone course	3 (30,0%)
Total	10 (100,0%)
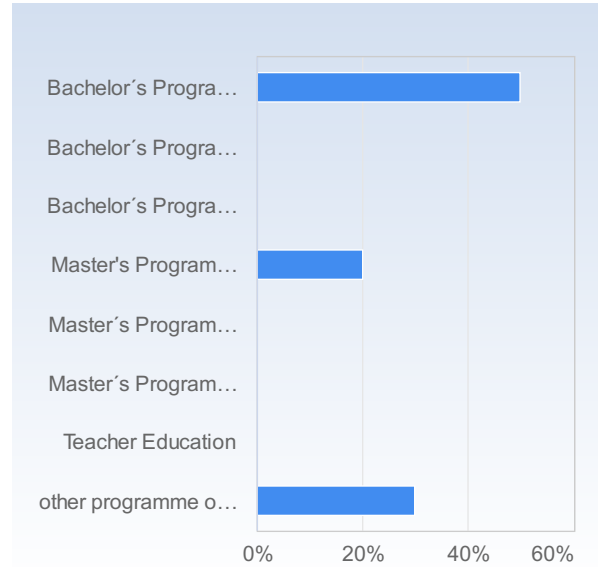
	Mean	Standard Deviation
I have studied this course as part of	3,7	3,2

On the scale 1-5 select the option that best matches your opinion: 1= disagree completely → 3= partly agree → 5= agree completely

## 2. My prior knowledge has been sufficient to assimilate the contents of this course.

2. My prior knowledge has been sufficient to assimilate the contents of this course.	Number of responses
1	0 (0,0%)
2	0 (0,0%)
3	0 (0,0%)
4	2 (20,0%)
5	8 (80,0%)
Total	10 (100,0%)

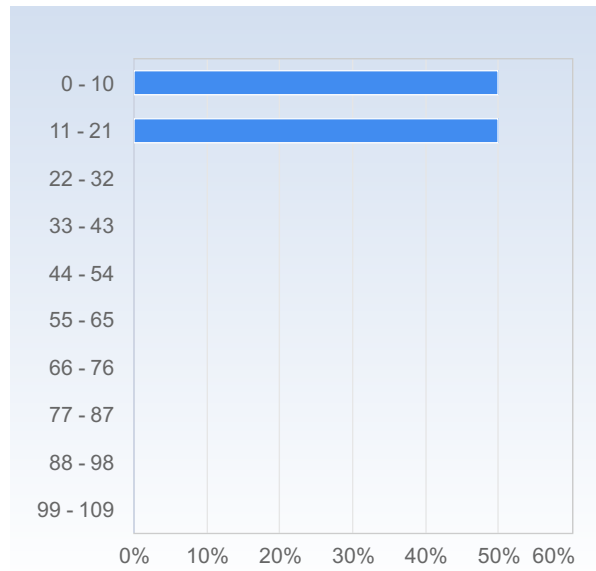|	Mean	Standard Deviation
2. My prior knowledge has been sufficient to assimilate the contents of this course.	4,8	0,4

3. I have participated actively in the course.

3. I have participated actively in the course.	Number of responses
1	0 (0,0%)
2	0 (0,0%)
3	4 (40,0%)
4	0 (0,0%)
5	6 (60,0%)
Total	10 (100,0%)
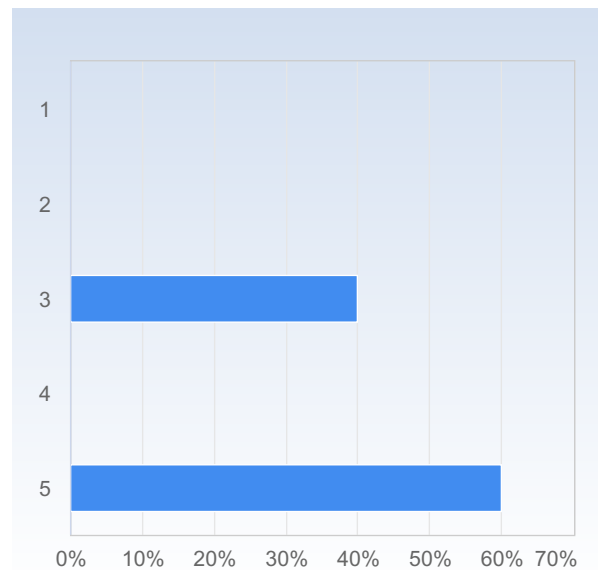
	Mean	Standard Deviation
3. I have participated actively in the course.	4,2	1,0

Average number of hours spent in total on the course per week (including scheduled activities):

| Average number of hours spent in total on the course per week (including scheduled activities):	Number of responses
0 - 10	5 (50,0%)
11 - 21	5 (50,0%)
22 - 32	0 (0,0%)
33 - 43	0 (0,0%)
44 - 54	0 (0,0%)
55 - 65	0 (0,0%)
66 - 76	0 (0,0%)
77 - 87	0 (0,0%)
88 - 98	0 (0,0%)
99 - 109	0 (0,0%)
Total	10 (100,0%)

	Mean	Standard Deviation
Average number of hours spent in total on the course per week (including scheduled activities):	12,0	5,2

The course in general

On the scale 1-5 select the option that best matches your opinion: 1= disagree completely → 3= partly agree → 5= agree completely

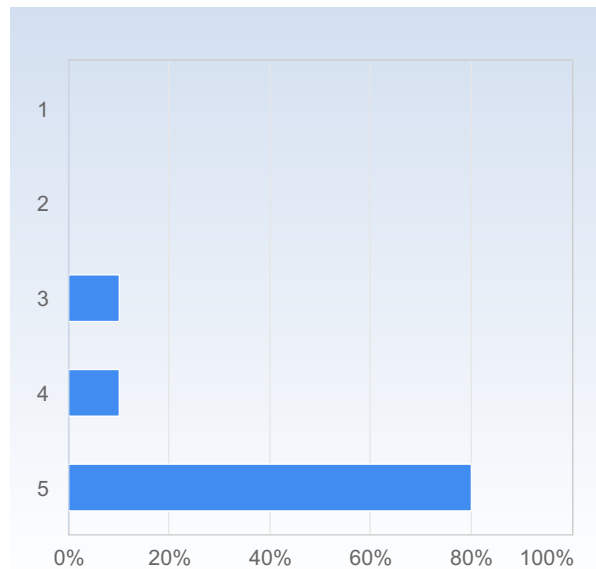### The way the course was taught and organised suited me.

The way the course was taught and organised suited me.	Number of responses
1	0 (0,0%)
2	0 (0,0%)
3	1 (10,0%)
4	3 (30,0%)
5	6 (60,0%)
Total	10 (100,0%)
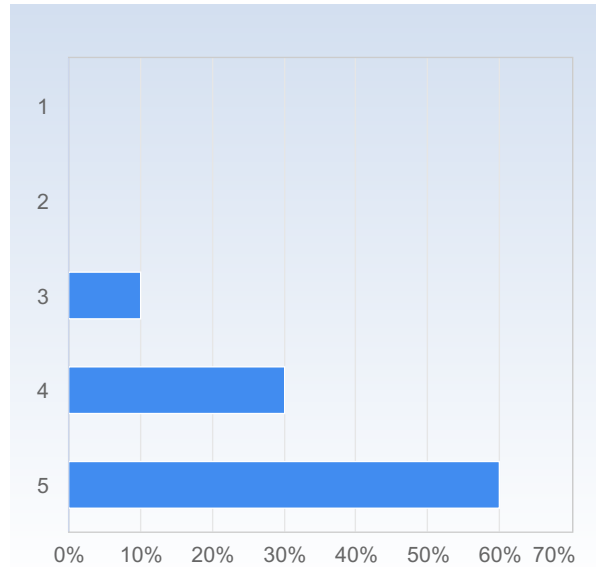
	Mean	Standard Deviation
The way the course was taught and organised suited me.	4,5	0,7

The number of teacher lead activities (lectures, seminars etc.) has been satisfactory.

The number of teacher lead activities (lectures, seminars etc.) has been satisfactory.	Number of responses
1	0 (0,0%)
2	0 (0,0%)
3	1 (10,0%)
4	1 (10,0%)
5	8 (80,0%)
Total	10 (100,0%)

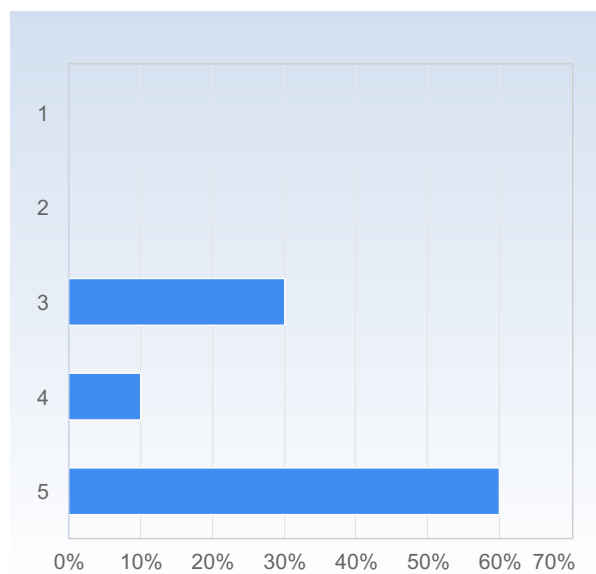|	Mean	Standard Deviation
The number of teacher lead activities (lectures, seminars etc.) has been satisfactory.	4,7	0,7

The lectures were valuable for my learning.

The lectures were valuable for my learning.	Number of responses
1	0 (0,0%)
2	0 (0,0%)
3	0 (0,0%)
4	3 (30,0%)
5	7 (70,0%)
Total	10 (100,0%)
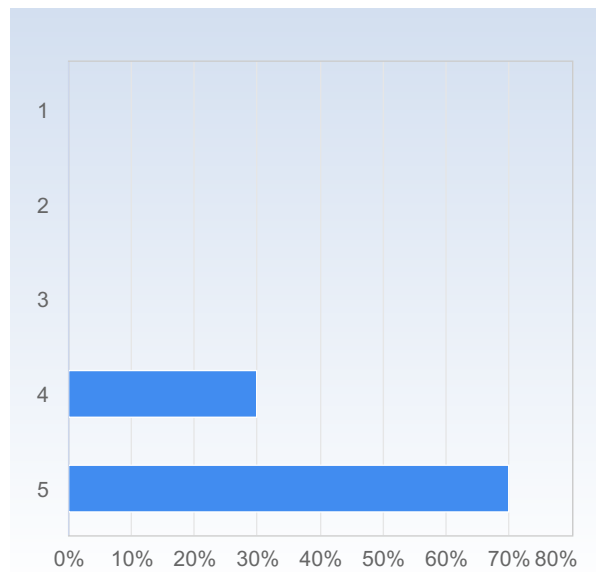
	Mean	Standard Deviation
The lectures were valuable for my learning.	4,7	0,5

The seminars were valuable for my learning.

The seminars were valuable for my learning.	Number of responses
1	0 (0,0%)
2	0 (0,0%)
3	3 (30,0%)
4	1 (10,0%)
5	6 (60,0%)
Total	10 (100,0%)

	Mean	Standard Deviation
The seminars were valuable for my learning.	4,3	0,9

Studying on my own was valuable for my learning.

Studying on my own was valuable for my learning.	Number of responses
1	0 (0,0%)
2	0 (0,0%)
3	0 (0,0%)
4	3 (30,0%)
5	7 (70,0%)
Total	10 (100,0%)
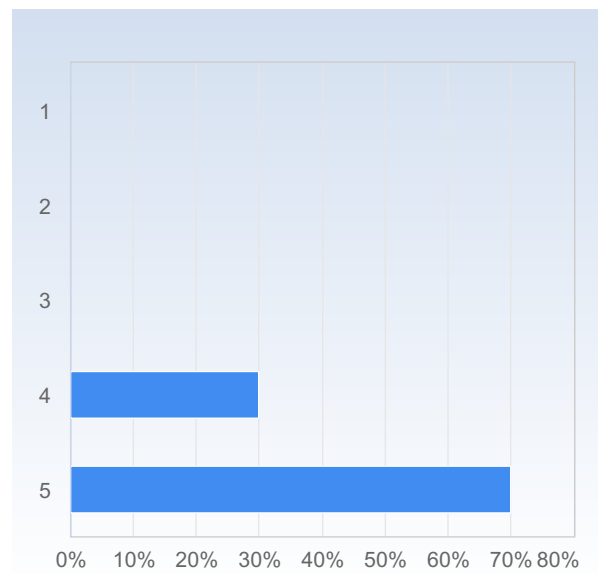
	Mean	Standard Deviation
Studying on my own was valuable for my learning.	4,7	0,5

The course literature/material was a valuable learning resource.

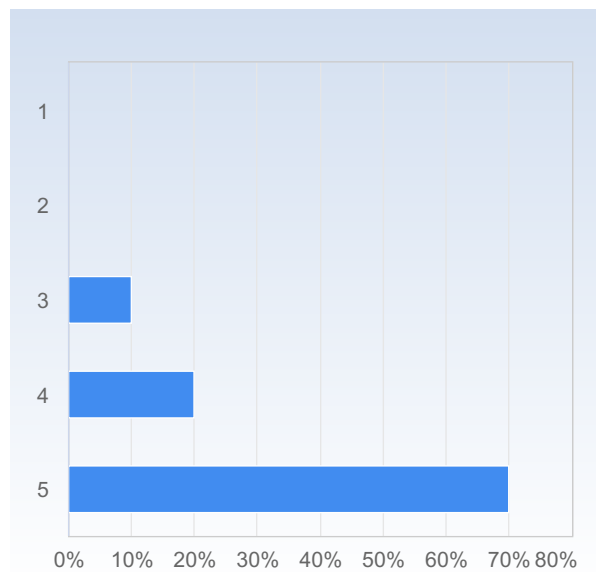| The course literature/material was a valuable learning resource.	Number of responses
1	0 (0,0%)
2	0 (0,0%)
3	0 (0,0%)
4	2 (20,0%)
5	8 (80,0%)
Total	10 (100,0%)
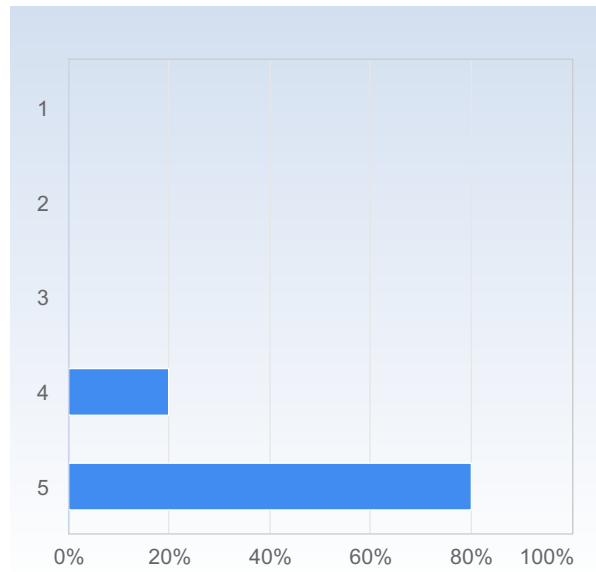
	Mean	Standard Deviation
The course literature/material was a valuable learning resource.	4,8	0,4

The information I received before the course start was satisfactory.

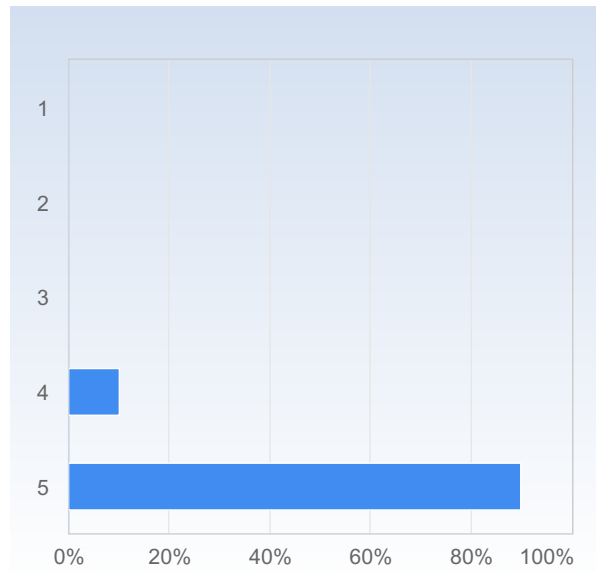| The information I received before the course start was satisfactory.	Number of responses
1	0 (0,0%)
2	0 (0,0%)
3	1 (10,0%)
4	2 (20,0%)
5	7 (70,0%)
Total	10 (100,0%)

	Mean	Standard Deviation
The information I received before the course start was satisfactory.	4,6	0,7

## The communication with the teaching staff during the course was good.

The communication with the teaching staff during the course was good.	Number of responses
1	0 (0,0%)
2	0 (0,0%)
3	0 (0,0%)
4	1 (10,0%)
5	9 (90,0%)
Total	10 (100,0%)

	Mean	Standard Deviation
The communication with the teaching staff during the course was good.	4,9	0,3

It was clear throughout the course what was expected of me.

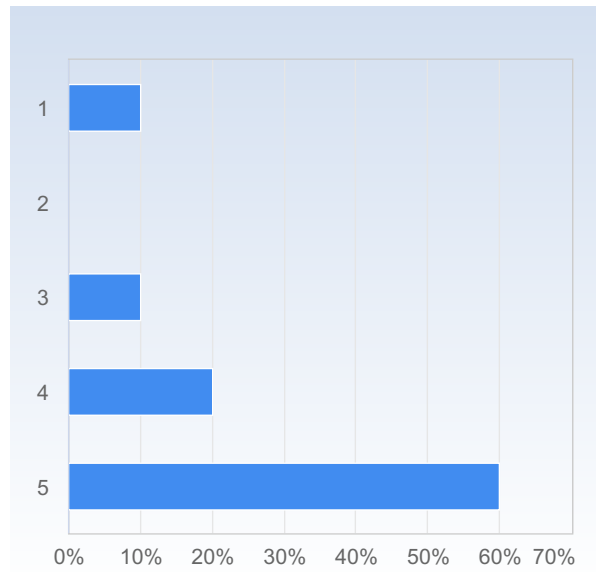| It was clear throughout the course what was expected of me.	Number of responses
1	0 (0,0%)
2	0 (0,0%)
3	1 (10,0%)
4	2 (20,0%)
5	7 (70,0%)
Total	10 (100,0%)
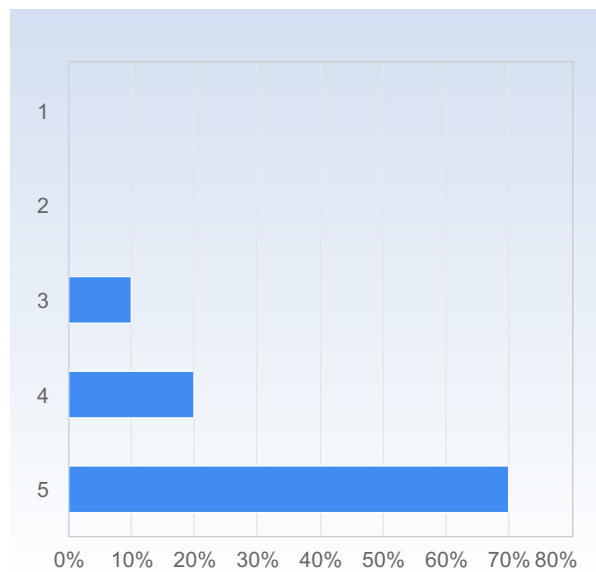
	Mean	Standard Deviation
It was clear throughout the course what was expected of me.	4,6	0,7

## I have received valuable feedback from my teacher/teachers during the course.

I have received valuable feedback from my teacher /teachers during the course.	Number of responses
1	1 (10,0%)
2	0 (0,0%)
3	1 (10,0%)
4	2 (20,0%)
5	6 (60,0%)
Total	10 (100,0%)

	Mean	Standard Deviation
I have received valuable feedback from my teacher/teachers during the course.	4,2	1,3

The course had a reasonable workload.

The course had a reasonable workload.	Number of responses
1	0 (0,0%)
2	0 (0,0%)
3	2 (20,0%)
4	1 (10,0%)
5	7 (70,0%)
Total	10 (100,0%)
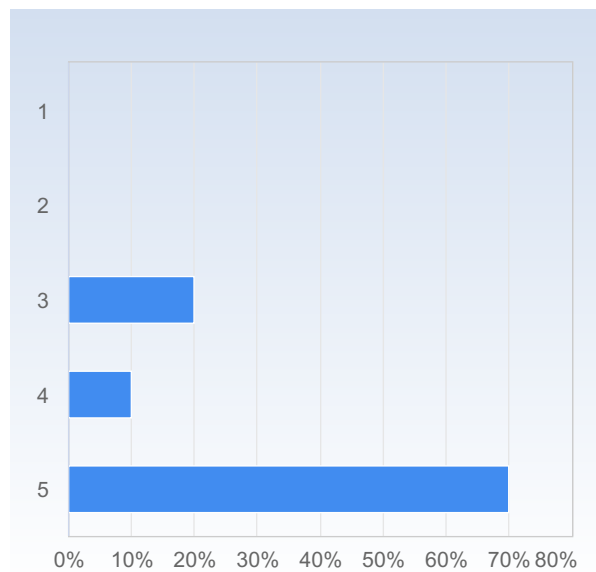
	Mean	Standard Deviation
The course had a reasonable workload.	4,5	0,8

The workload was evenly distributed throughout the course.

The workload was evenly distributed throughout the course.	Number of responses
1	1 (10,0%)
2	0 (0,0%)
3	1 (10,0%)
4	1 (10,0%)
5	7 (70,0%)
Total	10 (100,0%)
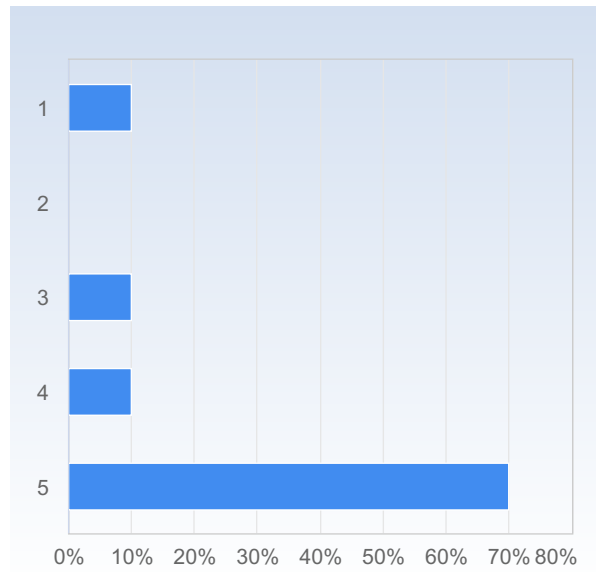
	Mean	Standard Deviation
The workload was evenly distributed throughout the course.	4,3	1,3

The examination matched the contents and level of the course.

The examination matched the contents and level of the course.	Number of responses
1	0 (0,0%)
2	1 (10,0%)
3	2 (20,0%)
4	1 (10,0%)
5	6 (60,0%)
Total	10 (100,0%)
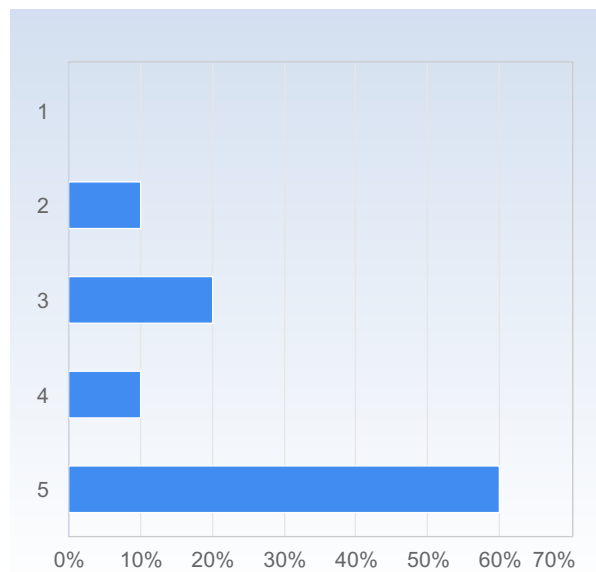
	Mean	Standard Deviation
The examination matched the contents and level of the course.	4,2	1,1

Overall, I am satisfied with the course.

| Overall, I am satisfied with the course.	Number of responses
1	0 (0,0%)
2	0 (0,0%)
3	0 (0,0%)
4	5 (50,0%)
5	5 (50,0%)
Total	10 (100,0%)
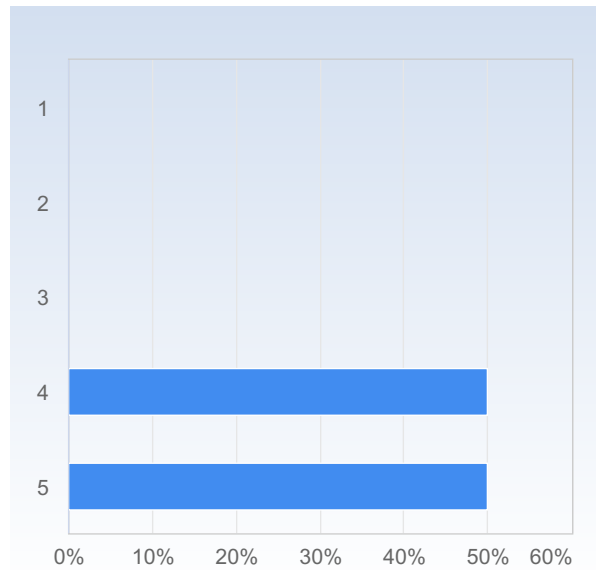
	Mean	Standard Deviation
Overall, I am satisfied with the course.	4,5	0,5

On the development of generic skills

On a scale 1-5 select the option that best matches your opinion: 1= disagree completely → 3= partly agree → 5= agree completely
The course has increased my ability to read a mathematical text.

The course has increased my ability to read a mathematical text.	Number of responses
1	0 (0,0%)
2	0 (0,0%)
3	2 (22,2%)
4	3 (33,3%)
5	4 (44,4%)
Total	9 (100,0%)
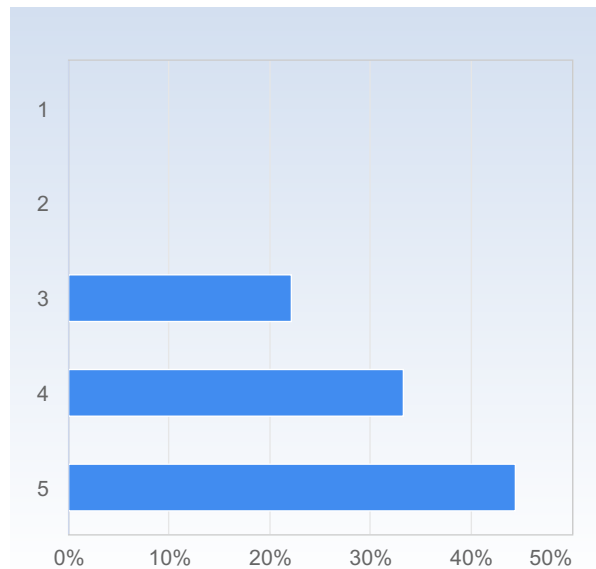
	Mean	Standard Deviation
The course has increased my ability to read a mathematical text.	4,2	0,8

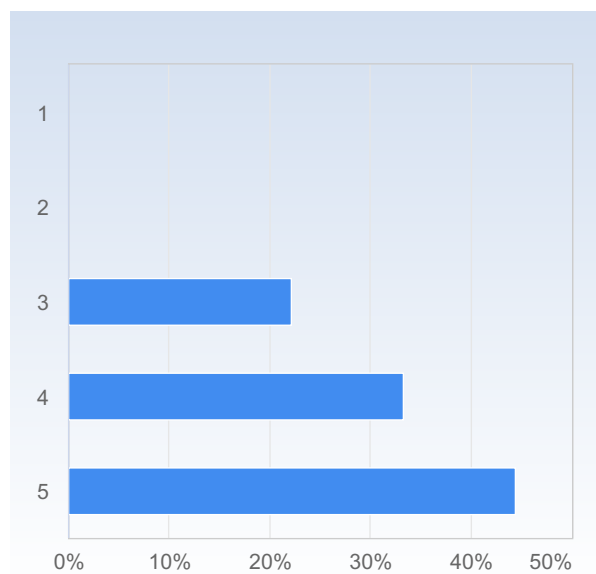## The course has increased my ability to communicate the subject in writing.

The course has increased my ability to communicate the subject in writing.	Number of responses
1	0 (0,0%)
2	0 (0,0%)
3	2 (22,2%)
4	4 (44,4%)
5	3 (33,3%)
Total	9 (100,0%)
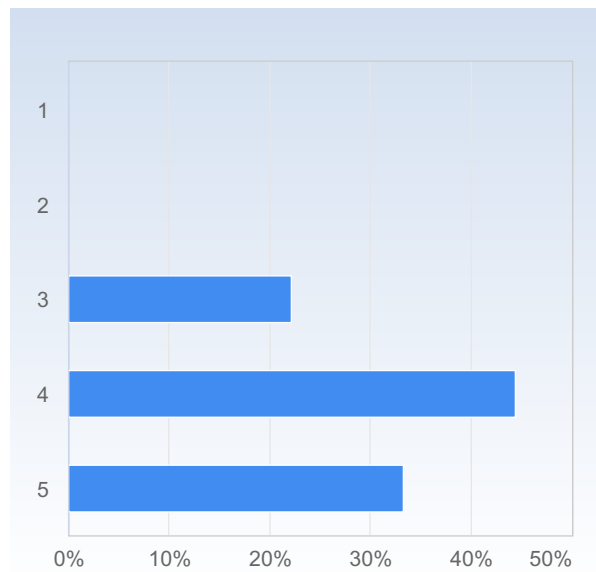
	Mean	Standard Deviation
The course has increased my ability to communicate the subject in writing.	4,1	0,8

The course has increased my ability to communicate the subject orally.
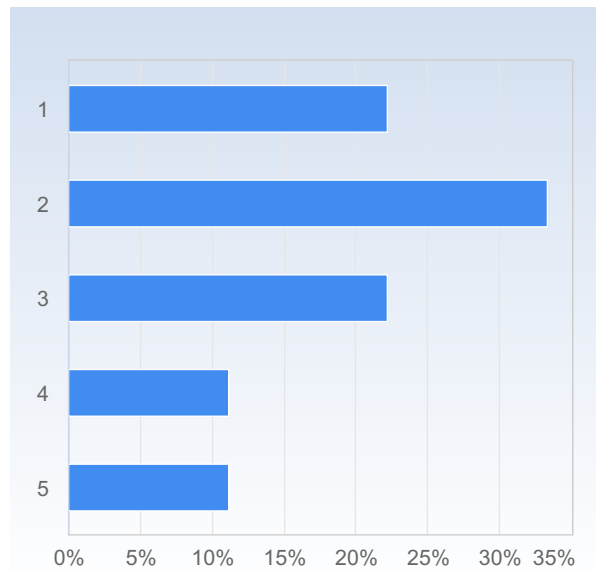
The course has increased my ability to communicate the subject orally.	Number of responses
1	0 (0,0%)
2	0 (0,0%)
3	2 (22,2%)
4	3 (33,3%)
5	4 (44,4%)
Total	9 (100,0%)

	Mean	Standard Deviation
The course has increased my ability to communicate the subject orally.	4,2	0,8

The course has increased my ability to cooperate.

The course has increased my ability to cooperate.	Number of responses
1	2 (22,2%)
2	3 (33,3%)
3	2 (22,2%)
4	1 (11,1%)
5	1 (11,1%)
Total	9 (100,0%)

	Mean	Standard Deviation
The course has increased my ability to cooperate.	2,6	1,3

The course has increased my ability to search and process information.

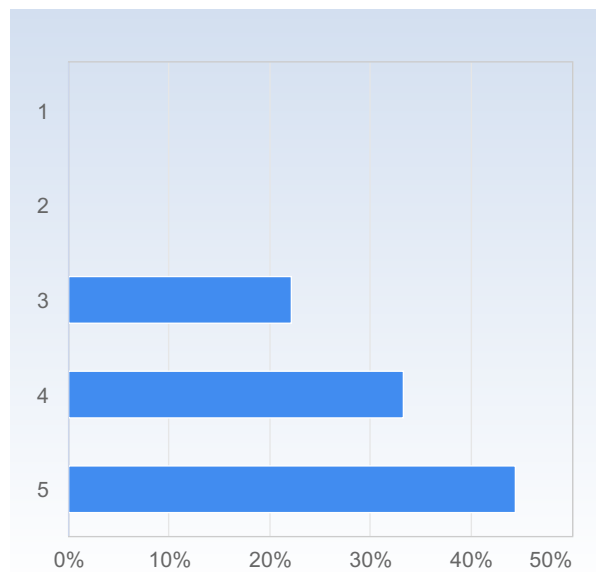| The course has increased my ability to search and process information.	Number of responses
1	1 (11,1%)
2	1 (11,1%)
3	1 (11,1%)
4	3 (33,3%)
5	3 (33,3%)
Total	9 (100,0%)
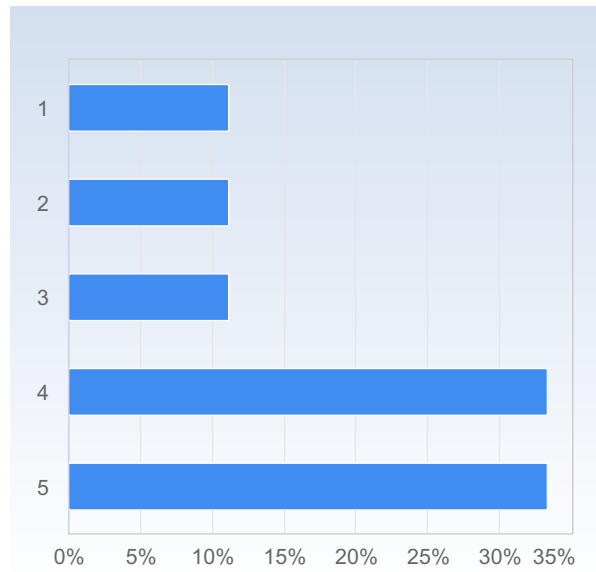
	Mean	Standard Deviation
The course has increased my ability to search and process information.	3,7	1,4

The course has increased my ability to analyze and solve problems.

The course has increased my ability to analyze and solve problems.	Number of responses
1	0 (0,0%)
2	0 (0,0%)
3	2 (22,2%)
4	3 (33,3%)
5	4 (44,4%)
Total	9 (100,0%)

	Mean	Standard Deviation
The course has increased my ability to analyze and solve problems.	4,2	0,8

As a result of this course, I feel confident about tackling unfamiliar problems.

As a result of this course, I feel confident about tackling unfamiliar problems.	Number of responses
1	0 (0,0%)
2	1 (11,1%)
3	3 (33,3%)
4	2 (22,2%)
5	3 (33,3%)
Total	9 (100,0%)
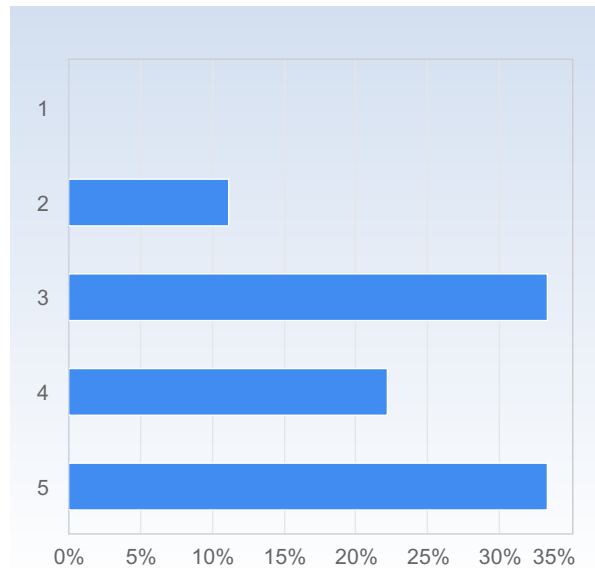
	Mean	Standard Deviation
As a result of this course, I feel confident about tackling unfamiliar problems.	3,8	1,1

What did you appreciate most with the course?

What did you appreciate most with the course?

The problem solving sessions in person with the class and Sigmundur were very fun and valuable.

There was a great chemistry between teacher and students, lot's of two-sided discussion. Everyone got a chance to participate.

The in person classes were very helpfull do understand and follow the course. Over Zoom it was hard to follow the course. So i really appreciated the possibillity to go to the classroom. Also i really liked how the teacher teached

The exercise sessions were very interactive and great for learning.

Isoperimetric inequality, Gauss-Bonnet, geodesics and the 2nd fundamental form.

Well-organised lecture note and historical chitchat.

The lectures were good and helped motivate some of the reasoning in the rather terse lecture notes.

The subject itself

The course book was good.

What do you think should be improved?

What do you think should be improved?

The exam was quite disappointing, not very interesting. The solutions could all be obtained very robotically. I do not feel it tested any deep understanding of the course.

This is one of the first courses for which I've had nothing to put in this field.

i dont know

I think more material could be added without making the course too difficult.

The 5th question on the exam was too easy in my opinion; other years they were much more interesting and far less tedious to write down once one realized how to solve them.

1. I think the choice of questions for the oral exam depends too much on luck. For instance, being a student that has passed the oral, I got asked to prove only one theorem, while there's a big chance that I only knew part of the course well and that theorem happens to be in that part (an imaginary me of course). During other oral exams, I usually got asked around three theorems. (A standard can probably be discussed with the probability theory experts or even students. "For a course with 10 theorems, how many should be asked during an oral so the examiner survives and the student's ability well-reflected?")

2. I heard from other people that if one failed to prove a theorem, the effort one put into it would be disregarded even when one is almost there. I disagree with this approach, especially considering the computational parts of many proofs are purely analysis.

3. It would be nice to have graphs included in the lecture note, or alternatively, more space for us to draw would be nice.

Too much imbalance in intensity between the first and second halves. It might be worth skipping curves in R^2 and going directly to curves in R^3 (since much material is just repeated) as to have more time to cover the later chapters, which are more involved, and to me, more difficult.

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Have you during this course experienced course literature, staff or teaching methods to be discriminatory in any way (gender, ethnicity, etc.)?

Have you during this course experienced course literature, staff or teaching methods to be discriminatory in any way (gender, ethnicity, etc.)?
No.
No.
no
No
No.
No.
No.
no