



LUNDS
UNIVERSITET

Matematikcentrum

Matematik NF

Sammanställning för Diskret matematik MATB13, vt 2020

Kursansvarig: Anna Torstensson

Övriga lärare: Henrik Ekström hade en seminariegrupp. Victor Ufnarovski vikarierade för Anna Torstensson på de flesta föreläsningarna och alla seminarierna de första tre veckorna.

Antal studenter: 29 registrerade (på NF, kursen samläses med FMAA25 på LTH.)

Betyg vid ordinarie tentamen: 6 V, 7 G, 7 U

Utvärdering

Sammanfattning av kursvärderingen: Se följande sidor.

Lärarnas kommentarer:

- Kursen fick mycket snabbt planeras om till distans pga coronarestriktioner. Dessutom var det en annan föreläsare de tre första veckorna pga planerad frånvaro. Då de vikarien och den ordinarie föreläsaren föredrog lite olika metoder för distansundervisning (direktsända föreläsningar i zoom resp förinspelade videos) fick studenterna ställa om mellan lite olika arbetssätt. Övningarna hölls genom hela kursen som videomöten. Den skriftliga tentan fick genomföras hemifrån i Canvas med videoövervakning. Även de muntliga tentorna genomfördes i videosamtal.
- Studenterna verkar i relativt nöjda med kursen.
- En person svarar *I totally disagree* på *The examination form has been satisfactory*. Det är svårt att veta på vilket sätt, men att döma av svaren på de två följande frågorna om examinationen tycks det inte vara frågornas relevans eller svårighetsgrad hen i första hand är missnöjd med. Det kan ha handlat om att formerna för den skriftliga distanstentan var lite bökiga, men det är en spekulaton.
- Det var relativt lågt deltagande på seminarierna och ganska stor variation i hur hjälpsamma de upplevdes vara. Lärarna provade lite olika former för dem, och kompletterade dem till viss del med videoinspelningar av lösta problem. Dock upplevde båda seminarieledarna det som ganska svårt att få igång diskussion och samtal om innehållet över video jämfört med i klassrummet.
- Det var mycket få svar i kursutvärderingen. Det verkar som att inte alla nås av epostutskicket och/eller att de inte känner sig motiverade att svara.

Utvärdering av förändringar sedan förra kurstillfället: Se ovan angående övergång till distansundervisning. Någon systematisk undersökning och utvärdering av hur dessa förändringar påverkat har det inte funnits resurser att göra.

Förslag till förändringar inför nästa kurstillfälle:

- Fr o m hösten 2020 ersätts kursen av MATB25 som har något annorlunda innehåll. Förändringarna i innehåll har främst kommit till för att passa ihop bättre med föregående och efterföljande kurser på både teknisk och naturvetenskaplig fakultet. I MATB25 ingår också en mindre programmeringsuppgift som ett led i att integrera programmering och algoritmiskt tänkande i hela programmet.
- Med större kunskap om och vana i att använda verktyg som Zoom och Canvas hoppas jag kunna ha ett upplägg på lektionerna som ger fler studenter bättre behållning. Det kommer bli mer genomgångar där man kan välja att lyssna eller gå till ett annat rum och jobba enskilt eller med andra studenter. Jag kommer också betona för studenterna att det är viktigt att synas i bild för att kommunikationen skall fungera bra.

Sammanställare: Anna Torstensson

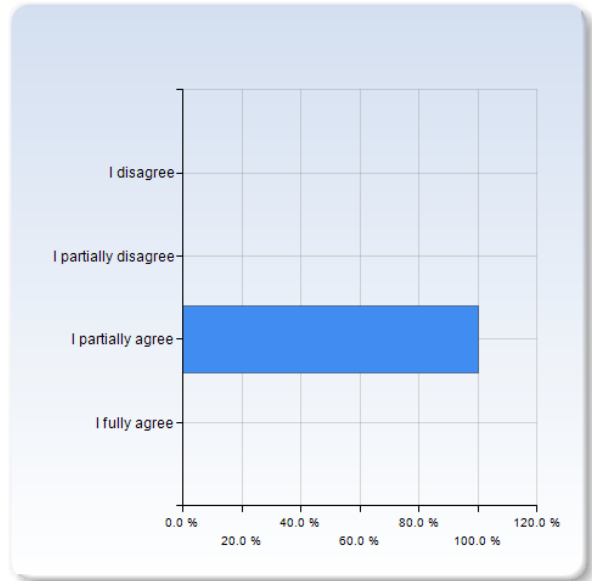
MATB13VT20v3

Answer Count: 3

The course in general

The content of the course matched my expectations.

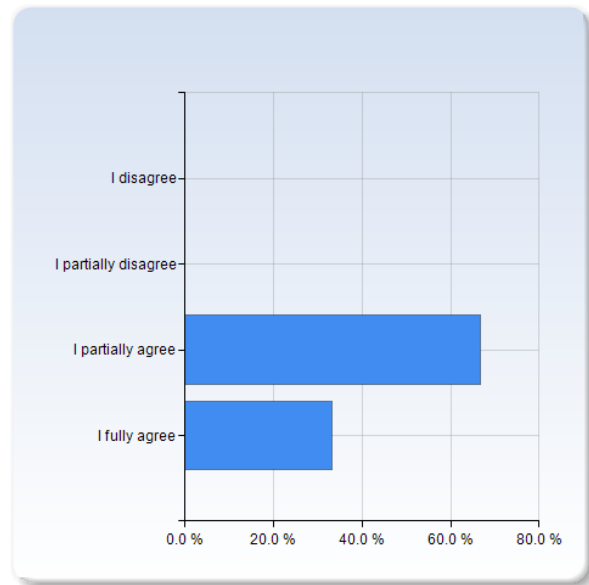
The content of the course matched my expectations.	Number of Responses
I disagree	0 (0.0%)
I partially disagree	0 (0.0%)
I partially agree	3 (100.0%)
I fully agree	0 (0.0%)
Total	3 (100.0%)



	Mean	Standard Deviation
The content of the course matched my expectations.	3.0	0.0

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

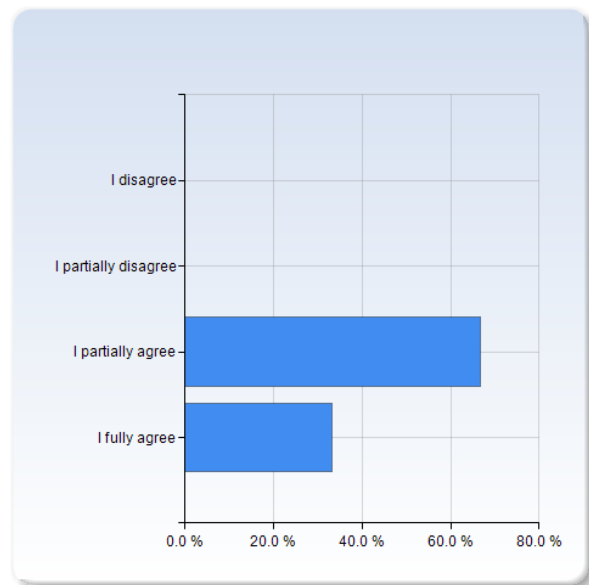
The information about the course (schedule, exam etc.) via Internet has been satisfactory.	Number of Responses
I disagree	0 (0.0%)
I partially disagree	0 (0.0%)
I partially agree	2 (66.7%)
I fully agree	1 (33.3%)
Total	3 (100.0%)



	Mean	Standard Deviation
The information about the course (schedule, exam etc.) via Internet has been satisfactory.	3.3	0.6

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

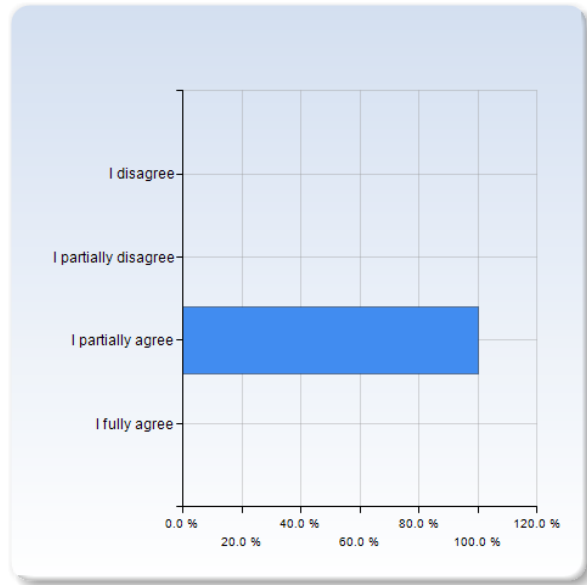
The information about the course (schedules, exam etc.) via lectures/and seminars has been satisfactory.	Number of Responses
I disagree	0 (0.0%)
I partially disagree	0 (0.0%)
I partially agree	2 (66.7%)
I fully agree	1 (33.3%)
Total	3 (100.0%)



	Mean	Standard Deviation
The information about the course (schedules, exam etc.) via lectures/and seminars has been satisfactory.	3.3	0.6

The course was organized in a satisfactory manner.

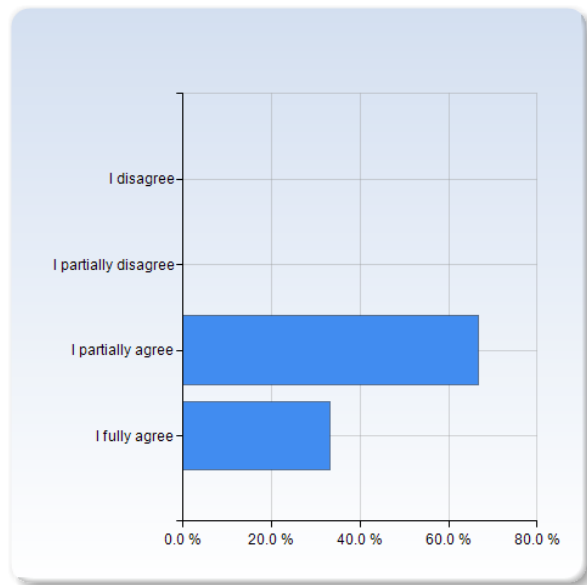
The course was organized in a satisfactory manner.	Number of Responses
I disagree	0 (0.0%)
I partially disagree	0 (0.0%)
I partially agree	3 (100.0%)
I fully agree	0 (0.0%)
Total	3 (100.0%)



	Mean	Standard Deviation
The course was organized in a satisfactory manner.	3.0	0.0

The course material has been comprehensible.

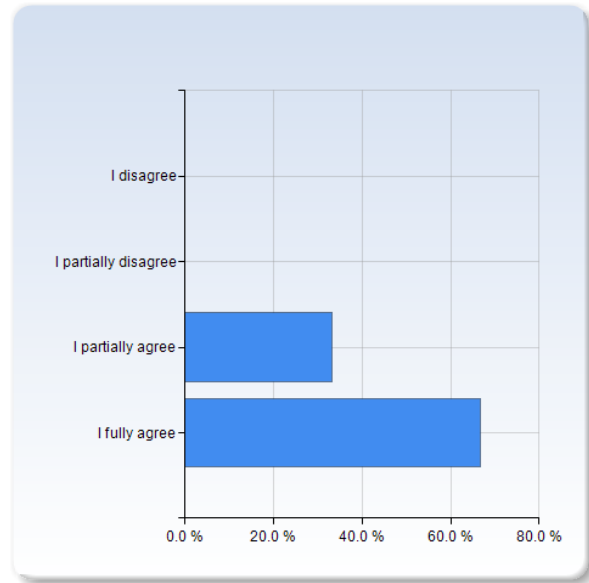
The course material has been comprehensible.	Number of Responses
I disagree	0 (0.0%)
I partially disagree	0 (0.0%)
I partially agree	2 (66.7%)
I fully agree	1 (33.3%)
Total	3 (100.0%)



	Mean	Standard Deviation
The course material has been comprehensible.	3.3	0.6

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

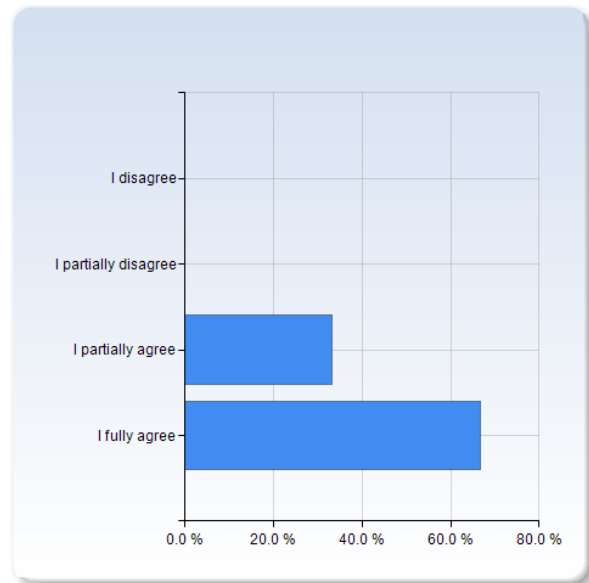
My prior knowledge has been sufficient in order to be able to assimilate the contents of the course.	Number of Responses
I disagree	0 (0.0%)
I partially disagree	0 (0.0%)
I partially agree	1 (33.3%)
I fully agree	2 (66.7%)
Total	3 (100.0%)



	Mean	Standard Deviation
My prior knowledge has been sufficient in order to be able to assimilate the contents of the course.	3.7	0.6

The remote teaching format worked well in this course.

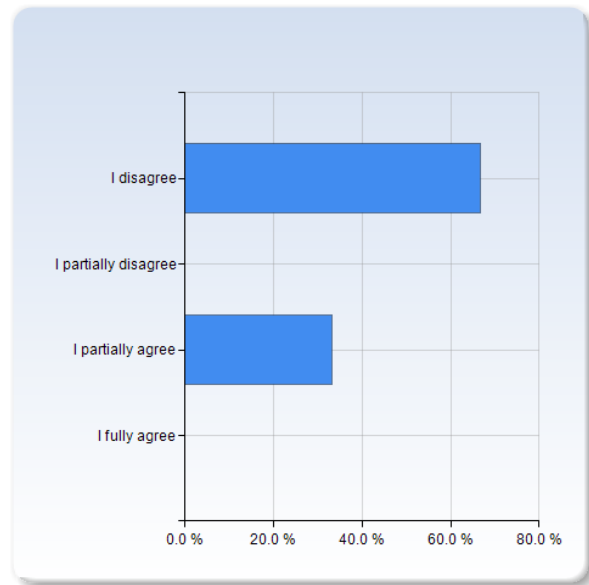
The remote teaching format worked well in this course.	Number of Responses
I disagree	0 (0.0%)
I partially disagree	0 (0.0%)
I partially agree	1 (33.3%)
I fully agree	2 (66.7%)
Total	3 (100.0%)



	Mean	Standard Deviation
The remote teaching format worked well in this course.	3.7	0.6

If the course had been taught on campus I would have been more motivated to work hard.

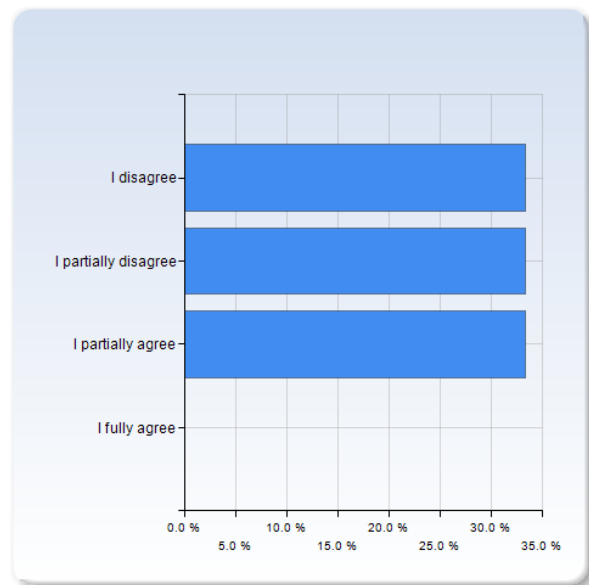
If the course had been taught on campus I would have been more motivated to work hard.	Number of Responses
I disagree	2 (66.7%)
I partially disagree	0 (0.0%)
I partially agree	1 (33.3%)
I fully agree	0 (0.0%)
Total	3 (100.0%)



	Mean	Standard Deviation
If the course had been taught on campus I would have been more motivated to work hard.	1.7	1.2

I preferred live lectures over zoom that we had in the first part of the course from the videos that we used in the later parts.

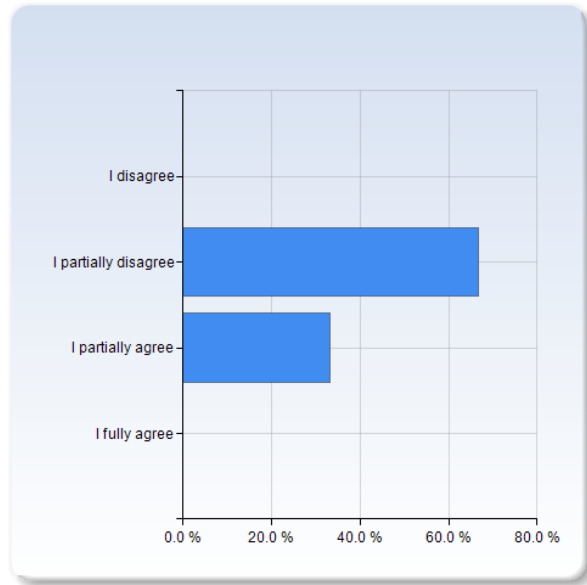
I preferred live lectures over zoom that we had in the first part of the course from the videos that we used in the later parts.	Number of Responses
I disagree	1 (33.3%)
I partially disagree	1 (33.3%)
I partially agree	1 (33.3%)
I fully agree	0 (0.0%)
Total	3 (100.0%)



	Mean	Standard Deviation
I preferred live lectures over zoom that we had in the first part of the course from the videos that we used in the later parts.	2.0	1.0

I found the zoom exercise classes useful.

I found the zoom exercise classes useful.	Number of Responses
I disagree	0 (0.0%)
I partially disagree	2 (66.7%)
I partially agree	1 (33.3%)
I fully agree	0 (0.0%)
Total	3 (100.0%)

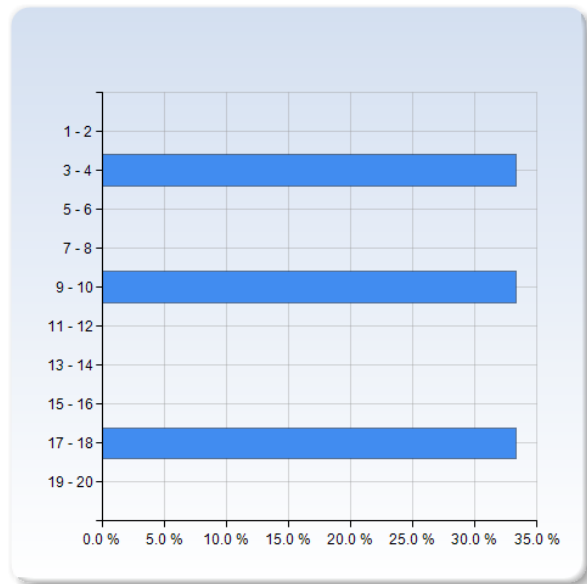


	Mean	Standard Deviation
I found the zoom exercise classes useful.	2.3	0.6

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

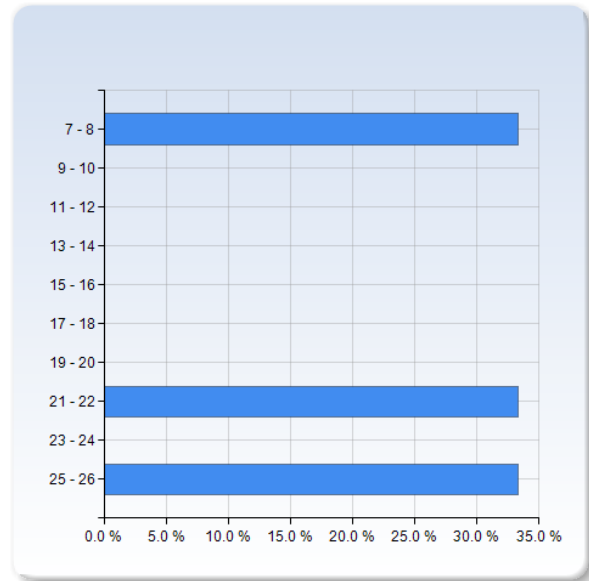
How many hours per week have you spent on studying for this course, including scheduled hours? - From	Number of Responses
1 - 2	0 (0.0%)
3 - 4	1 (33.3%)
5 - 6	0 (0.0%)
7 - 8	0 (0.0%)
9 - 10	1 (33.3%)
11 - 12	0 (0.0%)
13 - 14	0 (0.0%)
15 - 16	0 (0.0%)
17 - 18	1 (33.3%)
19 - 20	0 (0.0%)
Total	3 (100.0%)



	Mean	Standard Deviation
How many hours per week have you spent on studying for this course, including scheduled hours? - From	10.3	7.5

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
7 - 8	1 (33.3%)
9 - 10	0 (0.0%)
11 - 12	0 (0.0%)
13 - 14	0 (0.0%)
15 - 16	0 (0.0%)
17 - 18	0 (0.0%)
19 - 20	0 (0.0%)
21 - 22	1 (33.3%)
23 - 24	0 (0.0%)
25 - 26	1 (33.3%)
Total	3 (100.0%)

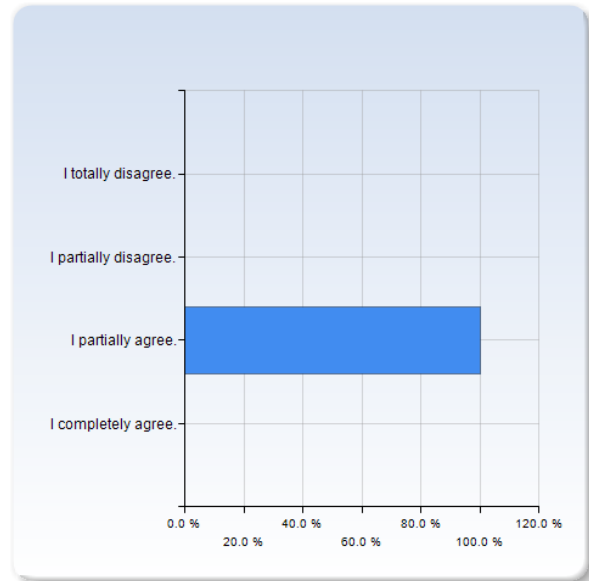


	Mean	Standard Deviation
How many hours per week have you spent on studying for this course, including scheduled hours? - To	18.0	8.9

Course literature, course material

The course literature has been informative and relevant.

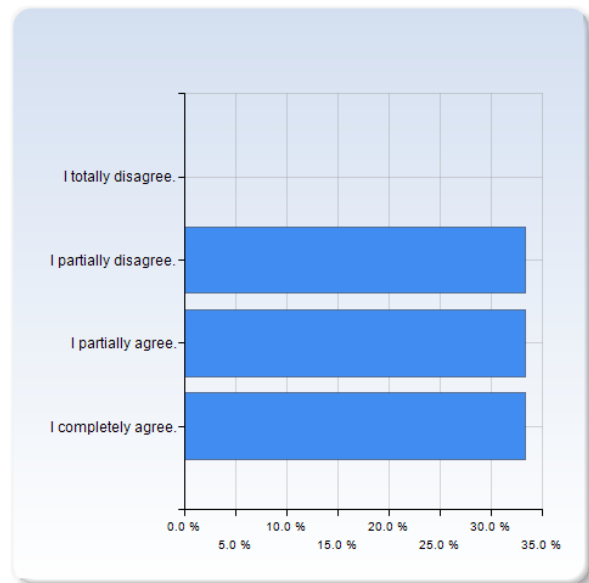
The course literature has been informative and relevant.	Number of Responses
I totally disagree.	0 (0.0%)
I partially disagree.	0 (0.0%)
I partially agree.	3 (100.0%)
I completely agree.	0 (0.0%)
Total	3 (100.0%)



	Mean	Standard Deviation
The course literature has been informative and relevant.	3.0	0.0

I have used the course literature and material extensively.

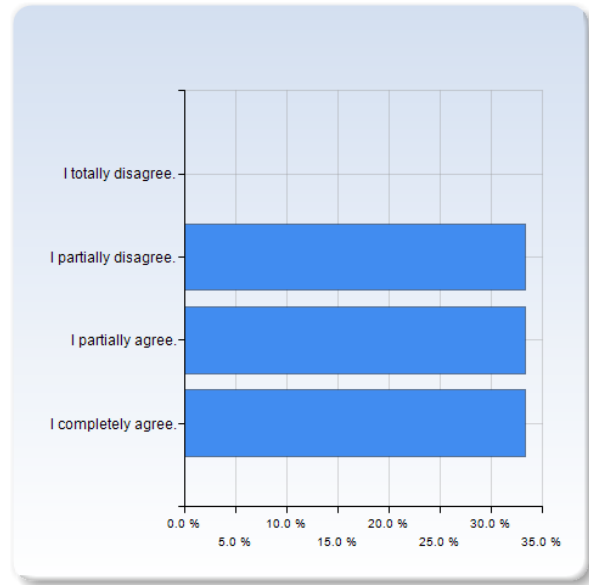
I have used the course literature and material extensively.	Number of Responses
I totally disagree.	0 (0.0%)
I partially disagree.	1 (33.3%)
I partially agree.	1 (33.3%)
I completely agree.	1 (33.3%)
Total	3 (100.0%)



	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.	1 (33.3%)
I partially agree.	1 (33.3%)
I completely agree.	1 (33.3%)
Total	3 (100.0%)

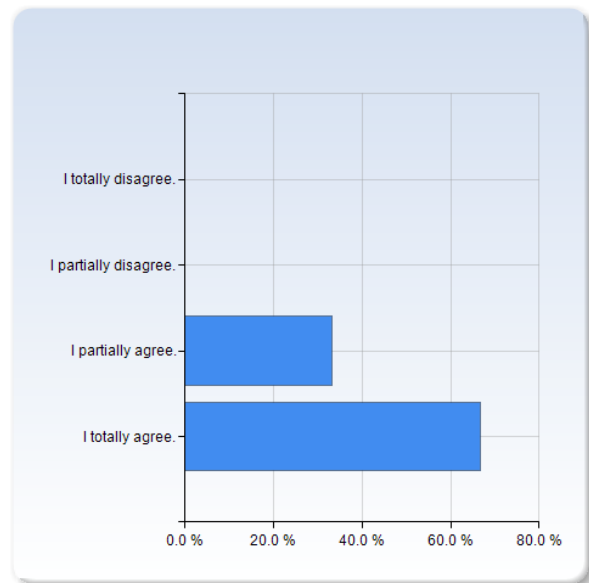


	Mean	Standard Deviation
The complementary course material has been satisfactory.	3.0	1.0

The course website

The course website was easy to reach and navigate.

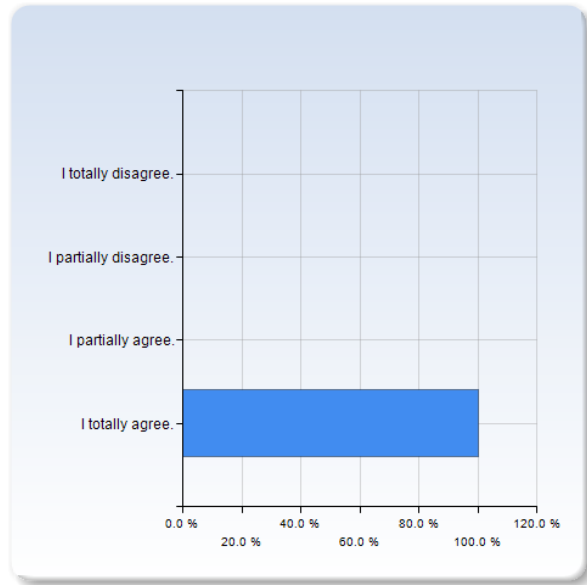
The course website was easy to reach and navigate.	Number of Responses
I totally disagree.	0 (0.0%)
I partially disagree.	0 (0.0%)
I partially agree.	1 (33.3%)
I totally agree.	2 (66.7%)
Total	3 (100.0%)



	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.

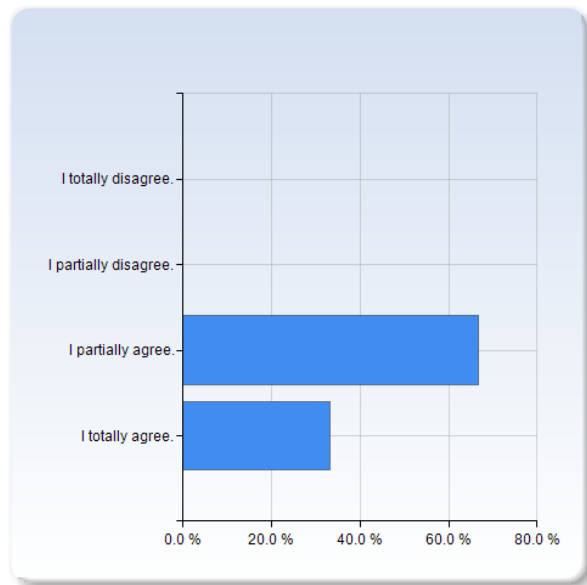
I have used the course website extensively during the course.	Number of Responses
I totally disagree.	0 (0.0%)
I partially disagree.	0 (0.0%)
I partially agree.	0 (0.0%)
I totally agree.	3 (100.0%)
Total	3 (100.0%)



	Mean	Standard Deviation
I have used the course website extensively during the course.	4.0	0.0

The information posted on the course website has been satisfactory.

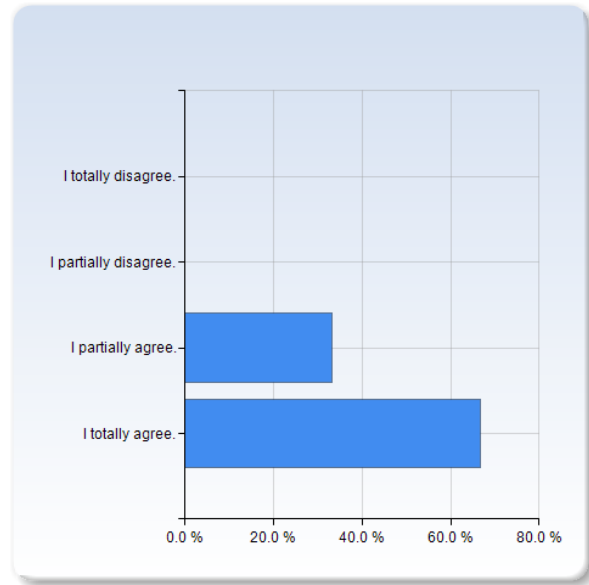
The information posted on the course website has been satisfactory.	Number of Responses
I totally disagree.	0 (0.0%)
I partially disagree.	0 (0.0%)
I partially agree.	2 (66.7%)
I totally agree.	1 (33.3%)
Total	3 (100.0%)



	Mean	Standard Deviation
The information posted on the course website has been satisfactory.	3.3	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.	1 (33.3%)
I totally agree.	2 (66.7%)
Total	3 (100.0%)

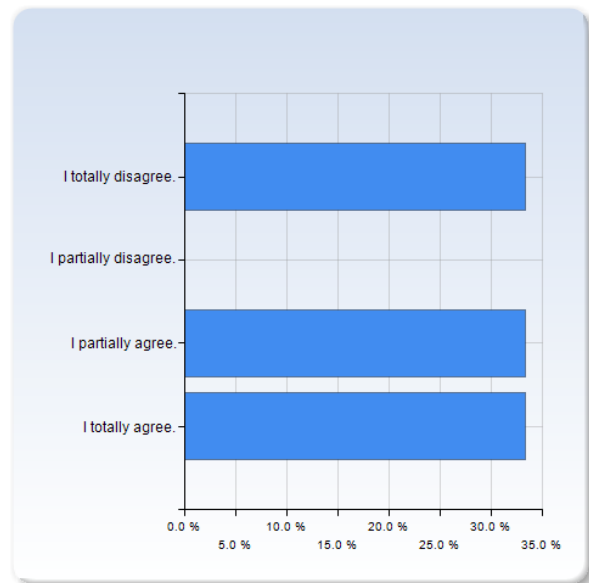


	Mean	Standard Deviation
The material posted on the course website has been relevant.	3.7	0.6

Examination

The examination form has been satisfactory.

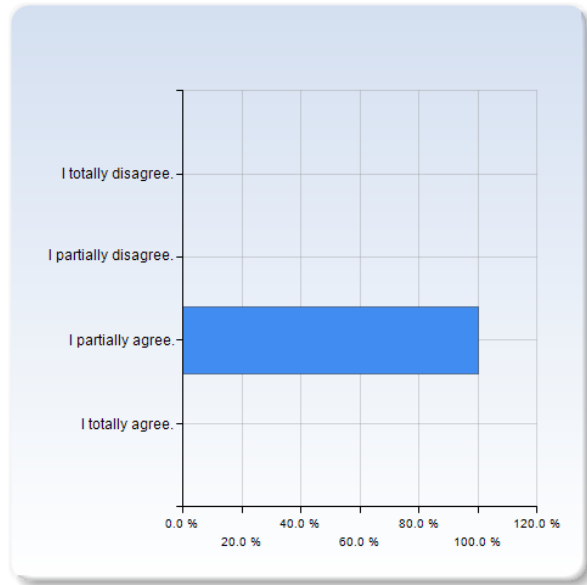
The examination form has been satisfactory.	Number of Responses
I totally disagree.	1 (33.3%)
I partially disagree.	0 (0.0%)
I partially agree.	1 (33.3%)
I totally agree.	1 (33.3%)
Total	3 (100.0%)



	Mean	Standard Deviation
The examination form has been satisfactory.	2.7	1.5

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

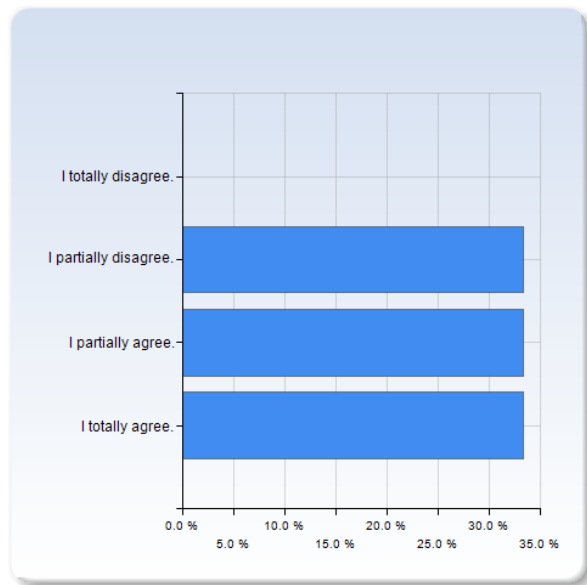
The degree of difficulty of the examination matched the content of the course.	Number of Responses
I totally disagree.	0 (0.0%)
I partially disagree.	0 (0.0%)
I partially agree.	3 (100.0%)
I totally agree.	0 (0.0%)
Total	3 (100.0%)



	Mean	Standard Deviation
The degree of difficulty of the examination matched the content of the course.	3.0	0.0

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

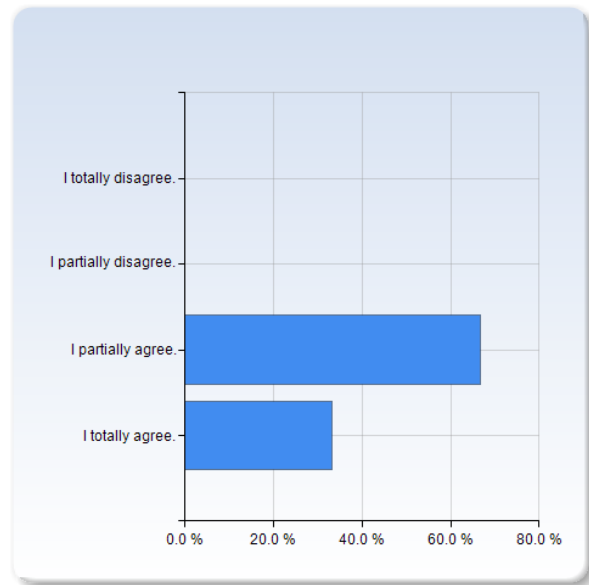
The exam questions reflected the content of the course and matched the learning objectives.	Number of Responses
I totally disagree.	0 (0.0%)
I partially disagree.	1 (33.3%)
I partially agree.	1 (33.3%)
I totally agree.	1 (33.3%)
Total	3 (100.0%)



	Mean	Standard Deviation
The exam questions reflected the content of the course and matched the learning objectives.	3.0	1.0

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.	2 (66.7%)
I totally agree.	1 (33.3%)
Total	3 (100.0%)



The grade that I received on the exam reflects my work during the course.	Mean	Standard Deviation
The grade that I received on the exam reflects my work during the course.	3.3	0.6