

Andreas Almqvist

Numeriska beräkningsmetoder med tillämpningar inom Tribologi (M7033T)

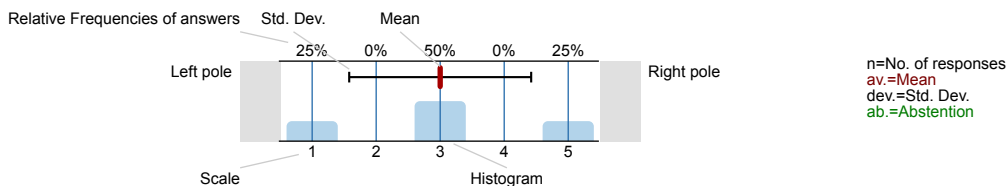
Response rate = 90 %



Survey Results

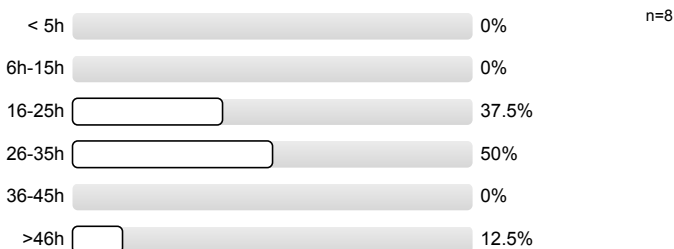
Legend

Question text

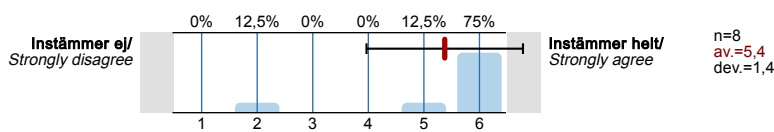


1. Självbedömning Self-assessment

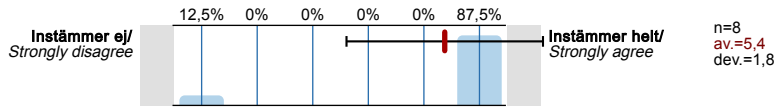
1.1) **Hur många studietimmar per vecka har du i genomsnitt lagt på denna kurs? (inkludera både schemalagd och icke schemalagd tid)**
How many hours of study have you in average dedicated to this course per week, including both scheduled and non-scheduled time?



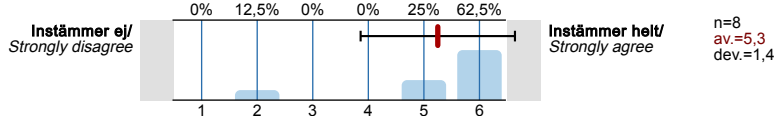
1.2) **Jag är nöjd med mina insatser under kursen.**
I am satisfied with my efforts during the course.



1.3) **Jag har deltagit i kursens alla undervisningsmoment.**
I have participated in all the teaching and learning activities in the course.

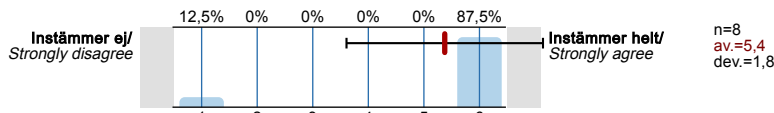


1.4) **Jag har förberett mig inför alla undervisningsmoment.**
I have prepared myself prior to all teaching and learning activities.

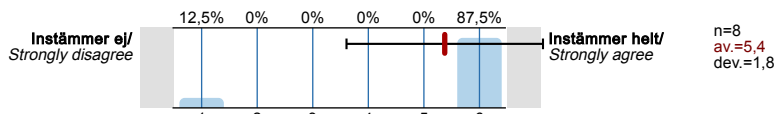


2. Kursens mål & innehåll Course aims and content

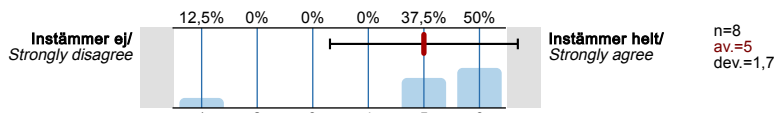
2.1) **Kursens mål har varit tydliga.**
The intended learning outcomes of the course have been clear.



2.2) **Kursens innehåll har bidragit till att uppnå kursplanens mål.**
The contents of the course have helped me to achieve the intended learning outcomes of the course.



2.3) **Kursplaneringen/studiehandledningen har gett god vägledning.**
The course planning and the study guide have provided good guidance.



3. Undervisningskvalitet Quality of teaching

- 3.1) **Lärarnas insatser har varit ett stöd i mitt lärande.**
The teacher's input has supported my learning.
-
- | Response | Percentage |
|----------|------------|
| 1 | 11.1% |
| 2 | 0% |
| 3 | 11.1% |
| 4 | 0% |
| 5 | 11.1% |
| 6 | 66.7% |
- n=9
av.=5
dev.=1,8
-
- 3.2) **Kursens undervisningstillfällen med teoretisk karaktär har varit givande.**
The teaching and learning activities of theoretical nature have been rewarding.
-
- | Response | Percentage |
|----------|------------|
| 1 | 12.5% |
| 2 | 0% |
| 3 | 0% |
| 4 | 0% |
| 5 | 12.5% |
| 6 | 75% |
- n=8
av.=5,3
dev.=1,8
-
- 3.3) **Kursens undervisningstillfällen av laborativ, skapande eller verksamhetsförankrad karaktär (t ex laborationer, exkursioner, VFU, projekt eller konstnärliga produktioner) har varit givande.**
The practical/creative teaching and learning activities of the course e.g. labs, field trips, teaching practice, placements/internships, project work, artwork, music, theater productions have been rewarding.
-
- | Response | Percentage |
|----------|------------|
| 1 | 0% |
| 2 | 20% |
| 3 | 0% |
| 4 | 0% |
| 5 | 20% |
| 6 | 60% |
- n=5
av.=5
dev.=1,7
ab.=2
-
- 3.4) **Det tekniska stödet för kommunikation (t ex lärplattform, e-mötesverktyg) har fungerat bra.**
The technical support for communication, e.g. learning platform, e-learning resources, has been satisfactory.
-
- | Response | Percentage |
|----------|------------|
| 1 | 0% |
| 2 | 12.5% |
| 3 | 0% |
| 4 | 12.5% |
| 5 | 12.5% |
| 6 | 62.5% |
- n=8
av.=5,1
dev.=1,5

4. Kursmaterial Course materials

- 4.1) **Det anvisade kursmaterialet har varit ett stöd i mitt lärande (t ex litteratur, laborationsanvisningar, presentationsunderlag).**
The materials assigned for the course, e.g. books, lab instructions, presentation frameworks, has supported my learning.
-
- | Response | Percentage |
|----------|------------|
| 1 | 12.5% |
| 2 | 0% |
| 3 | 0% |
| 4 | 0% |
| 5 | 37.5% |
| 6 | 50% |
- n=8
av.=5
dev.=1,7

7. Examination (om examination är gjord) Exam (only answer this question if you have done the exam for the course)

- 7.1) **Examinationen har motsvarat kursens mål.**
The examination was in accordance with the intended learning outcomes of the course.
-
- | Response | Percentage |
|----------|------------|
| 1 | 0% |
| 2 | 0% |
| 3 | 0% |
| 4 | 0% |
| 5 | 0% |
| 6 | 100% |
- n=3
av.=6
dev.=0
ab.=3

8. Helhetsbedömning Overall assessment

- 8.1) **Arbetsbelastningen i kursen motsvarar kursens poäng.**
The workload of the course is appropriate for the number of credits given.
-
- | Response | Percentage |
|----------|------------|
| 1 | 0% |
| 2 | 12.5% |
| 3 | 12.5% |
| 4 | 12.5% |
| 5 | 12.5% |
| 6 | 50% |
- n=8
av.=4,8
dev.=1,6
-
- 8.2) **Utifrån kursens mål har kravnivån varit tillräckligt hög.**
Given the aims of the course the level of work required has been appropriate.
-
- | Response | Percentage |
|----------|------------|
| 1 | 0% |
| 2 | 11.1% |
| 3 | 0% |
| 4 | 0% |
| 5 | 22.2% |
| 6 | 66.7% |
- n=9
av.=5,3
dev.=1,3
-
- 8.3) **Mitt helhetsintryck är att kursen varit bra.**
My overall impression is that this has been a good course.
-
- | Response | Percentage |
|----------|------------|
| 1 | 12.5% |
| 2 | 0% |
| 3 | 0% |
| 4 | 0% |
| 5 | 0% |
| 6 | 87.5% |
- n=8
av.=5,4
dev.=1,8

Tack för ditt bidrag till att göra denna kurs och din utbildning bättre! /

Thank you for helping to improve this course.

Resultatet och ev åtgärder presenteras via Studentportalen. /

The results of this questionnaire and any changes made will be available via the Student Portal.

Profile

Subunit: TVM -Teknikvetenskap och matematik
 Name of the instructor: Andreas Almqvist
 Name of the course: Numeriska beräkningsmetoder med tillämpningar inom Tribologi
 (Name of the survey)

Values used in the profile line: Mean

1. Självbedömning Self-assessment

1.2)	Jag är nöjd med mina insatser under kursen. <i>I am satisfied with my efforts during the course.</i>	Instämmer ej/ Strongly disagree		Instämmer helt/ Strongly agree	n=8	av.=5,4	md=6,0	dev.=1,4
1.3)	Jag har deltagit i kursens alla undervisningsmoment. <i>I have participated in all the teaching and</i>	Instämmer ej/ Strongly disagree		Instämmer helt/ Strongly agree	n=8	av.=5,4	md=6,0	dev.=1,8
1.4)	Jag har förberett mig inför alla undervisningsmoment. <i>I have prepared myself prior to all teaching and</i>	Instämmer ej/ Strongly disagree		Instämmer helt/ Strongly agree	n=8	av.=5,3	md=6,0	dev.=1,4

2. Kursens mål & innehåll Course aims and content

2.1)	Kursens mål har varit tydliga. <i>The intended learning outcomes of the course have been clear.</i>	Instämmer ej/ Strongly disagree		Instämmer helt/ Strongly agree	n=8	av.=5,4	md=6,0	dev.=1,8
2.2)	Kursens innehåll har bidragit till att uppnå kursplanens mål. <i>The contents of the course have helped me to</i>	Instämmer ej/ Strongly disagree		Instämmer helt/ Strongly agree	n=8	av.=5,4	md=6,0	dev.=1,8
2.3)	Kursplaneringen/studiehandledningen har gett god vägledning. <i>The course planning and the study guide have</i>	Instämmer ej/ Strongly disagree		Instämmer helt/ Strongly agree	n=8	av.=5,0	md=5,5	dev.=1,7

3. Undervisningskvalitet Quality of teaching

3.1)	Lärarnas insatser har varit ett stöd i mitt lärande. <i>The teacher's input has supported my learning.</i>	Instämmer ej/ Strongly disagree		Instämmer helt/ Strongly agree	n=9	av.=5,0	md=6,0	dev.=1,8
3.2)	Kursens undervisningstillfällen med teoretisk karaktär har varit givande. <i>The teaching and learning activities</i>	Instämmer ej/ Strongly disagree		Instämmer helt/ Strongly agree	n=8	av.=5,3	md=6,0	dev.=1,8
3.3)	Kursens undervisningstillfällen av laborativ, skapande eller verksamhetsförankrad karaktär (t ex laborationer, exkursioner, VFU,	Instämmer ej/ Strongly disagree		Instämmer helt/ Strongly agree	n=5	av.=5,0	md=6,0	dev.=1,7
3.4)	Det tekniska stödet för kommunikation (t ex lärplattform, e-mötesverktyg) har fungerat bra.	Instämmer ej/ Strongly disagree		Instämmer helt/ Strongly agree	n=8	av.=5,1	md=6,0	dev.=1,5

4. Kursmaterial Course materials

4.1)	Det anvisade kursmaterialet har varit ett stöd i mitt lärande (t ex litteratur, laborationsanvisningar, presentationsunderlag).	Instämmer ej/ Strongly disagree		Instämmer helt/ Strongly agree	n=8	av.=5,0	md=5,5	dev.=1,7
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7. Examination (om examination är gjord) Exam (only answer this question if you have done the exam for the course)

7.1)	Examinationen har motsvarat kursens mål. <i>The examination was in accordance with the intended learning outcomes of the course.</i>	Instämmer ej/ Strongly disagree		Instämmer helt/ Strongly agree	n=3	av.=6,0	md=6,0	dev.=0,0
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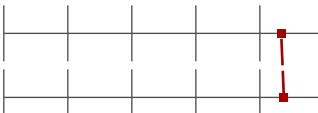
8. Helhetsbedömning Overall assessment

8.1)	Arbetsbelastningen i kursen motsvarar kursens poäng. <i>The workload of the course is appropriate for</i>	Instämmer ej/ Strongly disagree		Instämmer helt/ Strongly agree	n=8	av.=4,8	md=5,5	dev.=1,6
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8.2) **Utifrån kursens mål har kravnivån varit tillräckligt hög.**

Given the aims of the course the level of work

Instämmer ej/
Strongly disagree



Instämmer helt/
Strongly agree

n=9

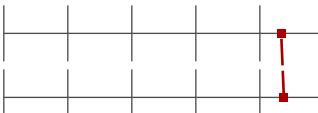
av.=5,3

md=6,0

dev.=1,3

8.3) **Mitt helhetsintryck är att kursen varit bra.**
My overall impression is that this has been a good course.

Instämmer ej/
Strongly disagree



Instämmer helt/
Strongly agree

n=8

av.=5,4

md=6,0

dev.=1,8

Comments Report

5. The flipped classroom

5.1) The quality of the recorded material met my expectations.

Yes, it was quite clear, and easy to understand and follow.

ABSOLUTELY! ALL ONLINE LECTURES WERE QUITE DETAILED AND WELL PRESENTED. THROUGHOUT THE VIDEOS THERE ARE SOME EDITING MISTAKES (LOSS OF VOICE SUDDENLY) BUT IT IS COMPLETELY FIXABLE.

Yes, very good recordings

Recorded material was excellent.

Yes

5.2) The quizzes has supported my learning

Due to the online format "multiple choice option", in some cases I got confused with the concepts adquired in the course. The mathematical operations in the course supported me to understand the concepts covered in the module.

YES! IF I CAN ADD, THEY CAN BE A BIT SHORTER AND MORE DIRECT TO THE MAIN IDEAS OF THE ~~ONLINE~~ ONLINE LECTURE

QUIZZES WERE HELPFUL TO CLEAR CONCEPTION. BUT THERE ARE LOTS OF MISTAKE IN MCQ. NEED TO REVISE

They are pretty hard.

Yes, but the time for the second and third assignment was short so ~~that~~ I did not have time to do all quizzes.

Yes, but the not visualization of wrong/right answers in the last exam was a problem.

Yes, although a lot of quiz questions need review as the answers were not right.

6. The two CM-Assignments

6.1) The first CM-VPA-Assignment met my expectations

Yes, it was quite satisfactory to be able to simulate the phenomena that we learned during the first semester of this Master program.

YES!

Agree

6.2) The Skeleton-code provided supported my learning

Yes, I did it.

Yes, it help me understand more easily

Agree

Yes, too much

6.3) The second CM-ANN-Assignment met my expectations

My background is not in Mechanical Eng, so my learning process it was so rewarding for me, to be able to learn about bearings, and how to model them, goes beyond my expectations.

YES! GREAT COMPLEMENTARY CM ASSIGNMENT.

Yes, it was the first time I worked on something like that

ANN topic was new to me. It would be great if more materials are added to better understand this for novice people.

Yes, Really interesting to try machine learning!

Yes, it was fun

Yes, but would be nice to write some more of the code or self

Yes, it was new and very exciting material.

6.4) The Skeleton-code provided supported my learning

The Skeleton was too supportive.

YES! ALL SKELETON HELPED A LOT AND GUIDED US TO THE BEST OF WE CAN GET FROM THE ASSIGNMENT

yes, very much

It was helpful

yes, now i write code that way.

Yes, but more clear ideas of MATLAB-ANN would be good.

8. Helhetsbedömning Overall assessment

8.4) Vad har varit bra i kursen? Exemplifiera!
What was good about the course? Please give examples.

It was a very interesting topic, be exposed to current research approaches encourage us to immerse in the course, which foster our learning process.

ALL THE TOPICS WERE REALLY IMPORTANT TO MY DEVELOPMENT AS MECHANICAL ENGINEER AND TRIBOLOGIST. TOGETHER WITH ADVANCED MACHINE ELEMENTS, MY ~~STILL~~ EXPERIENCE THAT I'VE BEEN GETTING SO FAR IS BEING GREAT. ALSO, WORKING IN GROUPS IS JUST THE BEST OPTION OF FACING THIS COURSE IN MY ~~OPINION~~ OPINION. THANK YOU!

Really interesting and dynamic course

- Supervisors were really helpful
- Experience new software (comsol)

To simulate & see what is happening

I like the flip classroom

The topics that we worked on are pretty interesting and relevant

The assignments were pretty good if supported our learning

8.5) Om du skulle vara lärare nästa gång kursen går, vilka förbättringar skulle du genomföra?
If you were to teach the course next time, what improvements would you make?

Early in this Master program we received a course in Computational Methods, it will be nice integrate the content of both course to speed up our learning process.

AND FIX THE VIDEO LECTURES (THERE ARE SOME WITH AUDIO PROBLEMS).

slow down between each assignment.

• May be would suggest more theory content.

A bit ~~for~~ more time for assignment

Some topics I think they need presential lectures to be fully understood.

I would arrange more face to face classes. The videos are good but in face to face lectures, it is easier to ask questions.