Report - MG2x28 - 2019-05-02

Please note that there is only one respondent to this form: the person that performs the course analysis.

Course analysis carried out by (name, e-mail):
Per Johansson, pj@kth.se, Lasse Wingård, lw@kth.se

COURSE DESIGN
Briefly describe the course design (learning activities, examinations) and any changes that have been implemented since the last course offering.

Kursen är efter en inledande fas där vi repeterar och bygger på CAD-kunskaperna, indelad i olika teman, kring olika slags IT-verktyg som används i en industriell produktframtagningsprocess, där varje tema åtminstone innehåller en föreläsning med introduktion till temat eller en gästföreläsning med industriella erfarenheter kring temat, samt en lärarledd datorlaboration. Utöver dessa schemalagda aktiviteter ingår ett antal obligatoriska och betygshöjande frivilliga inlämningsuppgifter som utförs självständigt utanför schemalagd tid. Mycket av arbetet i kursen är praktiskt arbete vid dator, och måste till största delen utföras i institutionens egna datorsalar.

Ändringar sedan föregående kursomgång: Nya versioner av en del programvaror och tillhörande labbinstruktioner. Sedan föregående kursomgång har vi ny inriktning på CAE-modulen, med tydligare fokus på simulering av formande tillverkningsprocesser. Hade även i denna kursomgång ambitionen att byta ut tidigare FEM-labb mot en som bättre anslöt till den nya inriktningen, men detta inte blev pga resursbrist inte genomfört till denna kursomgång heller.

THE STUDENT'S WORKLOAD
Does the students' workload correspond to the expected level (40 hours/1.5 credits)? If there is a significant deviation from the expected, what can be the reason?

I snitt 10-12h/vecka, med ett snitt för MG2028 på ca 10h/vecka, medan MG2128 har ett snitt på drygt 12h/vecka, om man räknar bort de tre studenter som markerat >30h/vecka. Med dessa inräknat höjs snittet till ca 14h/vecka. Detta innebär om man räknar med alla kursveckor en arbetsbelastning som något överstiger 40h/1,5 hp. Troligen är dock dessa siffror något högre än det verkliga genomsnittet under hela kurserna, då huvuddelen av arbetsinsatsen ligger under kursens senare del, då också kursenkäten besvaras.

THE STUDENTS' RESULTS
How well have the students succeeded on the course? If there are significant differences compared to previous course offerings, what can be the reason?

Resultatet ser ut ungefär som tidigare år. Prestationsgrad kring 95%, examinationsgrad strax under 90% för såväl MG2028 som MG2128. En tydlig skillnad syns dock i betygsfördelningen mellan de två kurserna, där de som läser MG2128 har betydligt högre betyg i snitt, och avsevärt färre studenter som fått ett E. Eftersom betygen i kursen är målrelaterade, där studenterna själva väljer vilket betyg de siktar emot genom att göra eller välja bort de betygshöjande inlämningsuppgifterna, och huvuddelen av studenterna på MG2128 är direktantagna Master-studenter, medan studenterna på MG2028 till övervägande del är civilingenjörsstudenter, så kan man förmoda att det högre betygssnittet på MG2128 kommer sig av att betygen är viktigare för studenterna på den kursen, och att de kanske också har ett större fokus på sina studier, med mindre sociala engagemang och deltidsjobb utanför skolan.

OVERALL IMPRESSION OF THE LEARNING ENVIRONMENT
What is your overall impression of the learning environment in the polar diagrams, for example in terms of the students' experience of meaningfulness, comprehensibility and manageability? If there are significant differences between different groups of students, what can be the reason?

Generellt sett så instämmer studenterna i väldigt hög utsträckning i de givna påståendena i LEQ-enkäten (för de flesta påståenden är genomsnittsvärdet för instämmandegraden kring 6 på en skala från 1 till 7, och de lägsta värdena ligger strax under 5), och det totala polärdiagrammet ser ut ungefär som under de senaste tre åren. Om man tittar på diagrammen för manliga respektive kvinnliga studenter så instämmer de senare oftast i något lägre grad med de givna påståendena, men vi bedömer inte skillnaden som signifikant, och har ingen given förklaring till den. Vad det gäller skillnaderna mellan studenter i åk 4-5 och studenter i åk 3, så skiljer sig instämmandegraden mer, vilket kanske är som förväntat, då kursen är på avancerad nivå, och studenter i åk 3 kanske inte har samma förkunskaper som dem i högre årskurs. Antalet svarande från åk 3 är också litet, vilket gör det svårt att dra några generella slutsatser. Inte heller mellan de två kurserna kan vi se några påtagliga skillnader, även om instämmandegraden i allmänhet ligger något högre för MG2128 än för MG2028.

ANALYSIS OF THE LEARNING ENVIRONMENT
Can you identify some stronger or weaker areas of the learning environment in the polar diagram - or in the response to each statement - respectively? Do they have an explanation?

Instämmandegraden är högst för förståelserelaterade påståenden (nr 7-16), men skillnaderna är små. Det finns liksom tidigare år några tydliga "dalar" i diagrammen, för påståendena 2, 18 & 20 som handlar om studenterna undersökt ämnet på egen hand, om studenterna ägnat tid åt att reflektera över vad de lärt sig, och 20 handlar m´om studenternas möjligheter att påverka kursaktiviteter. Dessa dalar har varit ungefär likartade under alla de år som LEQ-enkäten använts på kursen, och de är inte särskilt "djupa" så det är svårt att dra några slutsatser om dem.

ANSWERS TO OPEN QUESTIONS
What emerges in the students' answers to the open questions? Is there any good advice to future course participants that you want to pass on?

Flera framhäver att det är bra att kursen låter dem pröva många olika programvaror. Några studenter uttrycker att det krävs (för) mycket arbete för att nå höga betyg, men detta påtalas tydligt av oss kursansvariga lärare redan under första föreläsningen i kursen, och många studenter påtalar också att man samtidigt lär sig mycket av att göra de betygshöjande uppgifterna. Därav följer också råd till framtida studenter om att börja i tid med alla uppgifter. Flera studenter säger också att man ska läsa instruktioner för labbar och inlämningsuppgifter noga!

Några studenter skulle vilja se att det fanns möjlighet att arbeta med alla program på annat håll än i våra datorsalar, men detta är ibland svårt att ordna av licensskäl. I årets kurs har vi dock för första gången lyckats att tillhandahålla Tacton och SolidWorks till intresserade studenter.

PRIORITY COURSE DEVELOPMENT
What aspects of the course should primarily be developed? How could these aspects be developed in the short or long term?

Vi planerar dels en ny CAE-labb, dels att dela ut de betygshöjande inlämningsuppgifterna i annan ordning, med CAM- och produktkonfigureringsuppgifterna som de två först utdelade, så att dessa kan avslutas innan julledigheten. Nu har väldigt många studenter satsat på den hittills först utdelade inlämningsuppgiften i produktdatakommunikation, och då kanske delvis tappat sugen inför de fortsatta inlämningsuppgifterna.
På MG2128 kommer det att bli ytterligare en CAD-laboration i det inledande grundläggande CAD-avsnittet, främst för att ge studenterna ytterligare träning i grunderna.

OTHER INFORMATION
Is there anything else you would like to add?

Nej, inte i år heller!

Kursdata 2019-05-02

MG2028 - Inte bara CAD - IT-verktyg i industriell produktframtagning, HT 2018

Kursfakta

Kursen startar:	2018 v.35
Kursen slutar:	2019 v.3
Antal högskolepoäng:	6,0
Examination:	INL1 - Inlämningsuppgift CAD, 1,5, betygsskala: A, B, C, D, E, FX, F
	INL2 - Inlämningsuppgifter övrigt, 3,0, betygsskala: A, B, C, D, E, FX, F
	LABA - Laborationer övrigt, 1,5, betygsskala: P, F
Betygsskala:	A, B, C, D, E, FX, F

Bemanning

Examinator:	Lars Wingård <lw@kth.se>
Kursomgångsansvarig lärare:	Per Johansson <pj@kth.se>
	Lars Wingård <lw@kth.se>
Lärare:	Per Johansson <pj@kth.se>
	Lars Wingård <lw@kth.se>
Assistenter:	

Antal studenter på kursomgången

Registrerade:	0

Prestationer (endast registrerade studenter)

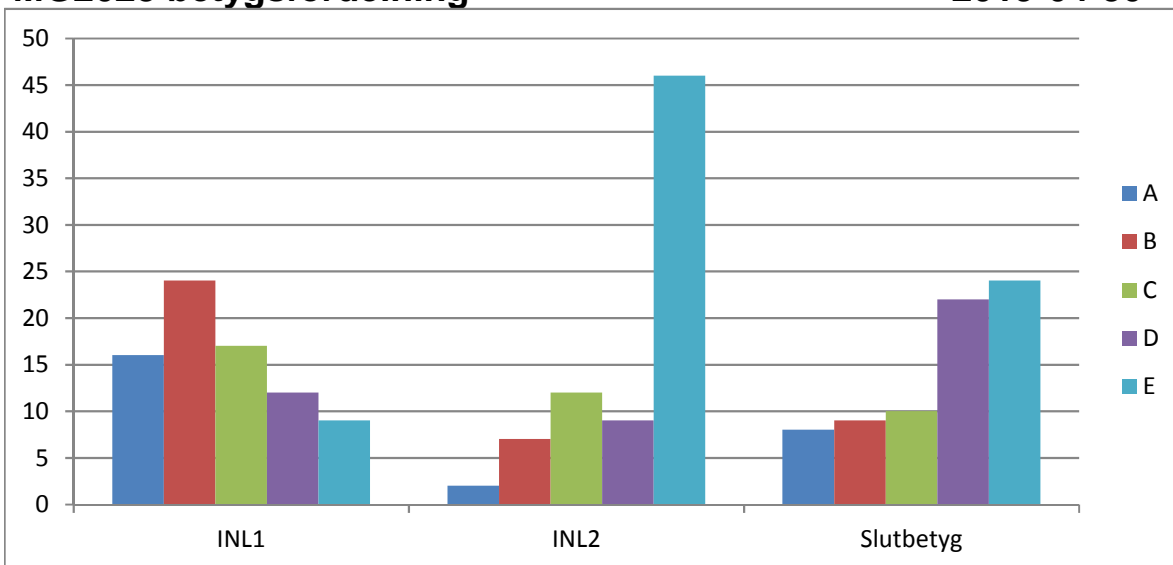|	
Examinationsgrad[1] [%]	*Det finns inga kursresultat inrapporterade*
Prestationsgrad[2] [%]	*Det finns inga kursresultat inrapporterade*
Betygsfördelning[3] [%, antal]	*Det finns inga kursresultat inrapporterade*

1 Andel godkända studenter
2 Andel avklarade poäng
3 Betygsfördelning för godkända studenter

MG2028 betygsfördelning   2019-04-30

		REG	LAB1	LAB2	LABA	INL1	INL2	Slutbetyg	
Antal stud		81			81	78	76	73	
	A					16	2	8	11,0%
	B					24	7	9	12,3%
	C					17	12	10	13,7%
	D					12	9	22	30,1%
	E					9	46	24	32,9%
	P				81				
Poäng					121,5	117	228	466,5	
Prestation					100,0%	96,3%	93,8%		**96,0%**
Examination								**90,1%**	

Kursdata 2019-05-02

MG2128 - Inte bara CAD - IT-verktyg industriell produktframtagning, större kurs, HT 2018

Kursfakta

Kursen startar:	2018 v.35
Kursen slutar:	2019 v.3
Antal högskolepoäng:	7,5
Examination:	INL1 - Inlämningsuppgifter CAD, 1,5, betygsskala: A, B, C, D, E, FX, F
	INL2 - Inlämningsuppgifter övrigt, 3,0, betygsskala: A, B, C, D, E, FX, F
	LAB1 - Laborationer grundläggande CAD, 1,5, betygsskala: P, F
	LAB2 - Laborationer övrigt, 1,5, betygsskala: P, F
Betygsskala:	A, B, C, D, E, FX, F

Bemanning

Examinator:	Lars Wingård <lw@kth.se>
Kursomgångsansvarig lärare:	Per Johansson <pj@kth.se>
	Lars Wingård <lw@kth.se>
Lärare:	Per Johansson <pj@kth.se>
	Lars Wingård <lw@kth.se>
Assistenter:	

Antal studenter på kursomgången

Registrerade:	0

Prestationer (endast registrerade studenter)

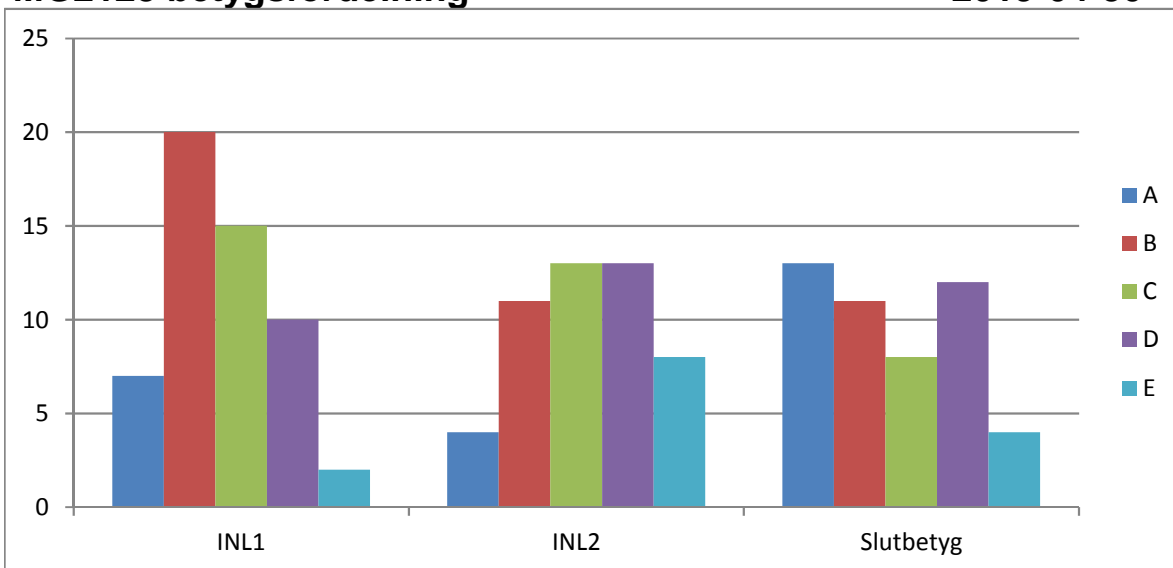|	
Examinationsgrad[1] [%]	*Det finns inga kursresultat inrapporterade*
Prestationsgrad[2] [%]	*Det finns inga kursresultat inrapporterade*
Betygsfördelning[3] [%, antal]	*Det finns inga kursresultat inrapporterade*

1 Andel godkända studenter
2 Andel avklarade poäng
3 Betygsfördelning för godkända studenter
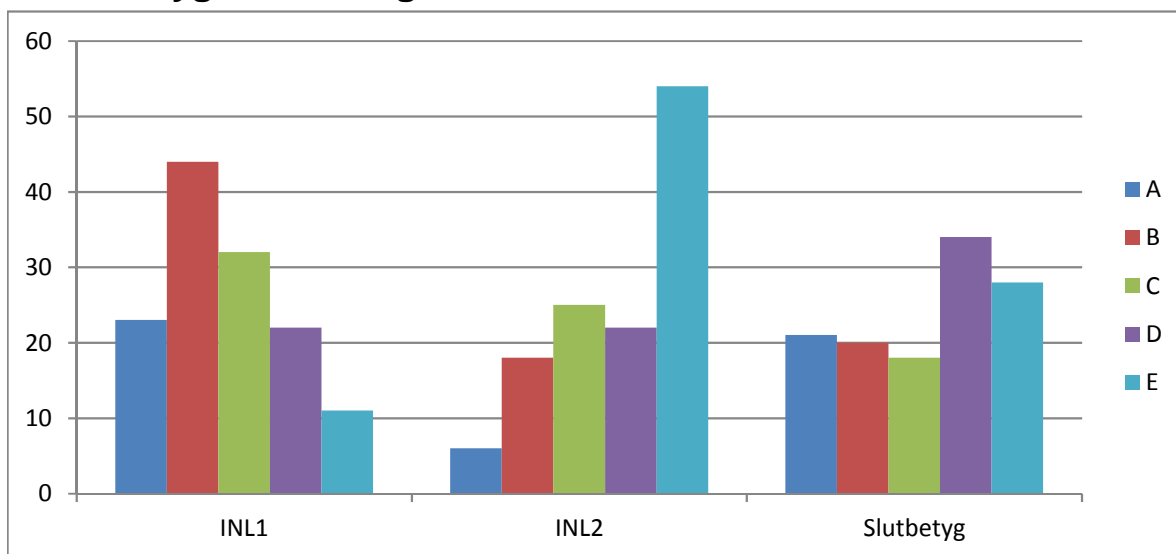
MG2128 betygsfördelning   2019-04-30

		REG	LAB1	LAB2	LABA	INL1	INL2	Slutbetyg	
Antal stud		55	55	54		54	49	48	
	A					7	4	13	27,1%
	B					20	11	11	22,9%
	C					15	13	8	16,7%
	D					10	13	12	25,0%
	E					2	8	4	8,3%
	P		55	54					
Poäng			82,5	81		81	147	391,5	
Prestationsgrad			100,0%	98,2%		98,2%	89,1%		**94,9%**
Examinationsgrad								**87,3%**	

Total betygsfördelning   2019-04-30

		REG	LAB1	LAB2	LABA	INL1	INL2	Slutbetyg	
Antal stud		136	55	54	81	132	125	121	
	A					23	6	21	17,4%
	B					44	18	20	16,5%
	C					32	25	18	14,9%
	D					22	22	34	28,1%
	E					11	54	28	23,1%
	P								
Poäng			82,5	81	121,5	198	375	858	
Prestationsgrad						97,1%	91,9%		95,5%
Examinationsgrad								89,0%	

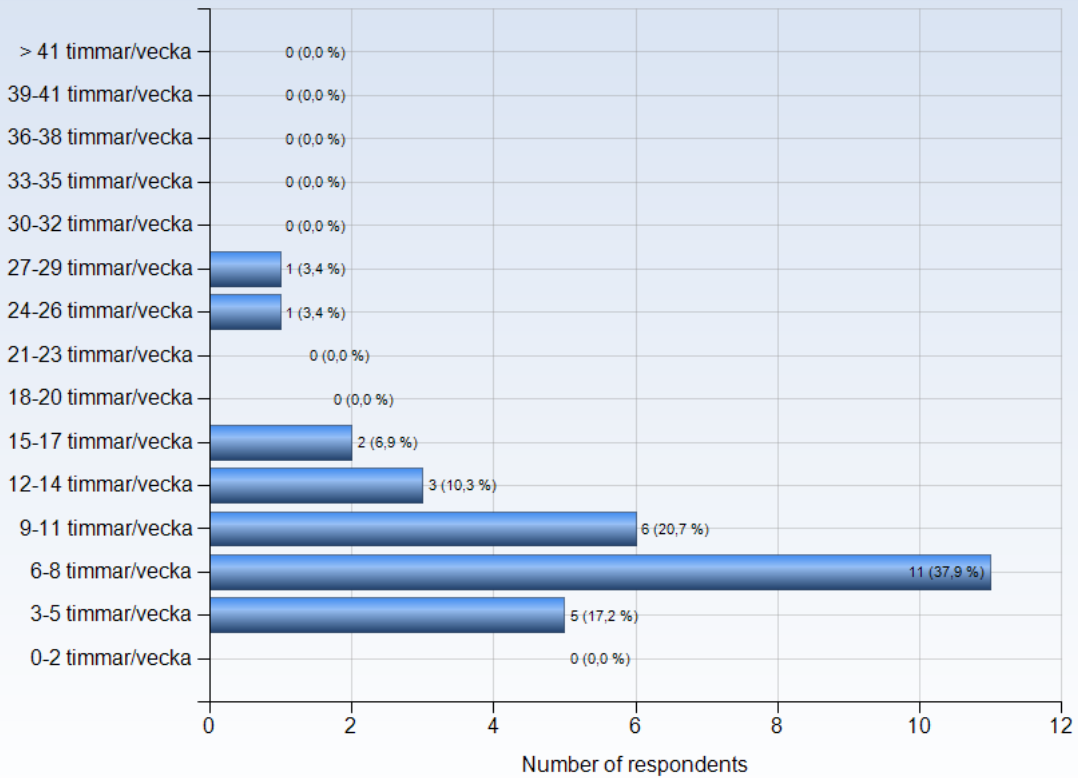# MG2028 - 2018-12-10

Antal respondenter: 80
Antal svar: 30
Svarsfrekvens: 37,50 %

ESTIMATED WORKLOAD

On average, how many hours/week did you work with the course (including scheduled hours)?

Category	Number of respondents
> 41 timmar/vecka	0 (0,0 %)
39-41 timmar/vecka	0 (0,0 %)
36-38 timmar/vecka	0 (0,0 %)
33-35 timmar/vecka	0 (0,0 %)
30-32 timmar/vecka	0 (0,0 %)
27-29 timmar/vecka	1 (3,4 %)
24-26 timmar/vecka	1 (3,4 %)
21-23 timmar/vecka	0 (0,0 %)
18-20 timmar/vecka	0 (0,0 %)
15-17 timmar/vecka	2 (6,9 %)
12-14 timmar/vecka	3 (10,3 %)
9-11 timmar/vecka	6 (20,7 %)
6-8 timmar/vecka	11 (37,9 %)
3-5 timmar/vecka	5 (17,2 %)
0-2 timmar/vecka	0 (0,0 %)

Number of respondents

Comments

Comments (I worked: 3-5 timmar/vecka)

Time for labs was well calculated. task could be finished within time frame

During the periods with the mandatory hand ins alot more hours, during the periods with none less hours.

Bra instruktioner på labbar bidrog till detta!

Comments (I worked: 6-8 timmar/vecka)

Was lagom so to say. Maybe move the date of the milling jig hand in so it isn't in the exam period.

A reasonable amount of time compared to the högeskolepoäng recieved.

Ok amount of workload. Difficult to say at the moment thought because I've only done one of the voluntary assignments so far.

The class hrs were usually enough to complete the assignments.

The workload was fine. Although please do not put deadlines in the exam period. This made the exam period even more stressful, as it was too many deadlines before the exam periods to start with it before. It took a lot of time, that I was supposed to put in to my other exams, and made me get a worse grade.

Good

Comments (I worked: 9-11 timmar/vecka)

Inlämningarna krävde längre tid, men laborationerna hann man göra på plats.

Sett till föreläsningar och obligatoriska övningar är det väl ungefär 4 h/vecka, men inräknat hemuppgifter och frivilliga uppgifter ca 9-11

Good workload

Uneven work load.

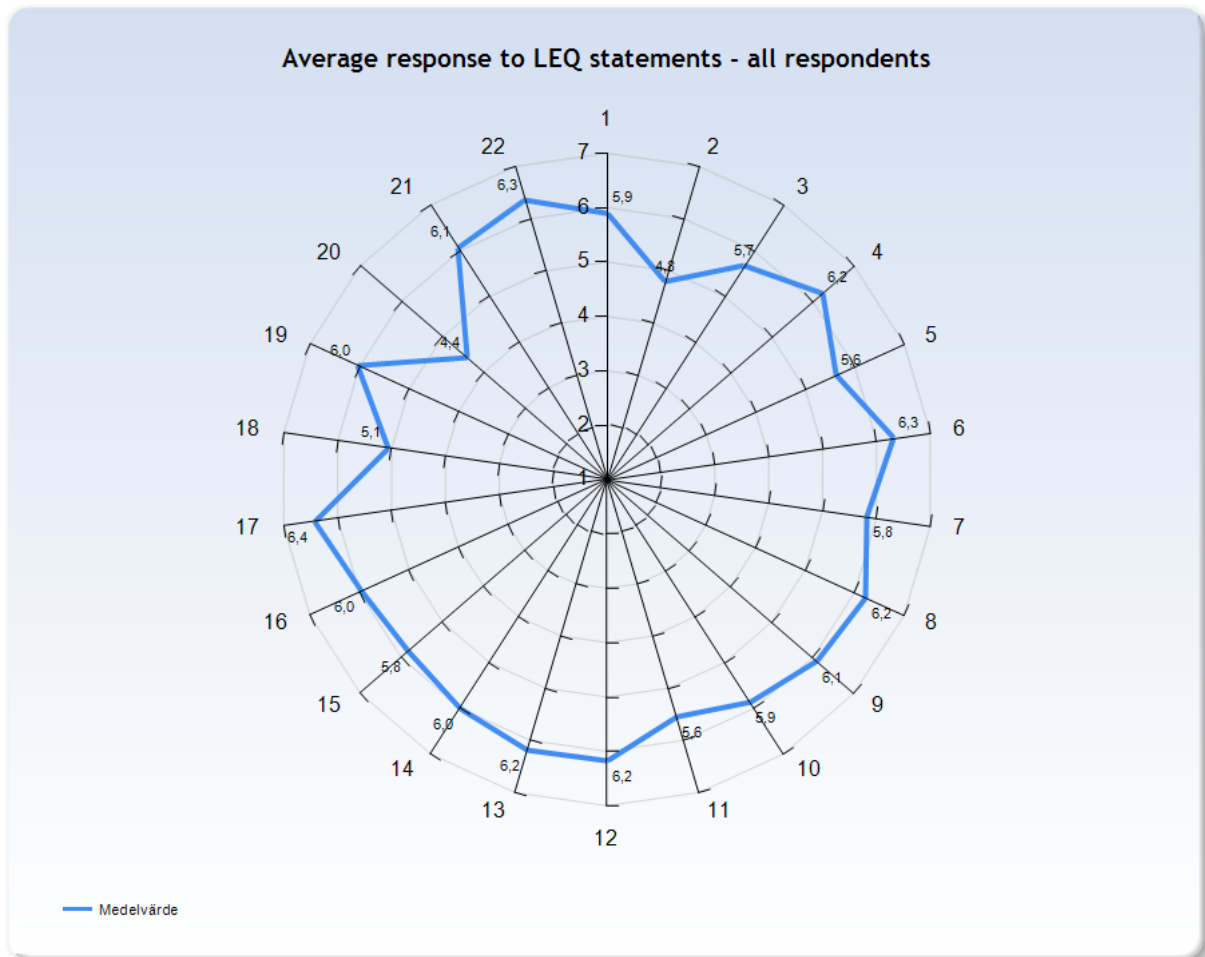Comments (I worked: 12-14 timmar/vecka)

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LEARNING EXPERIENCE

The polar diagrams below show the average response to the LEQ statements for different groups of respondents (only valid responses are included). The scale that is used in the diagrams is defined by:
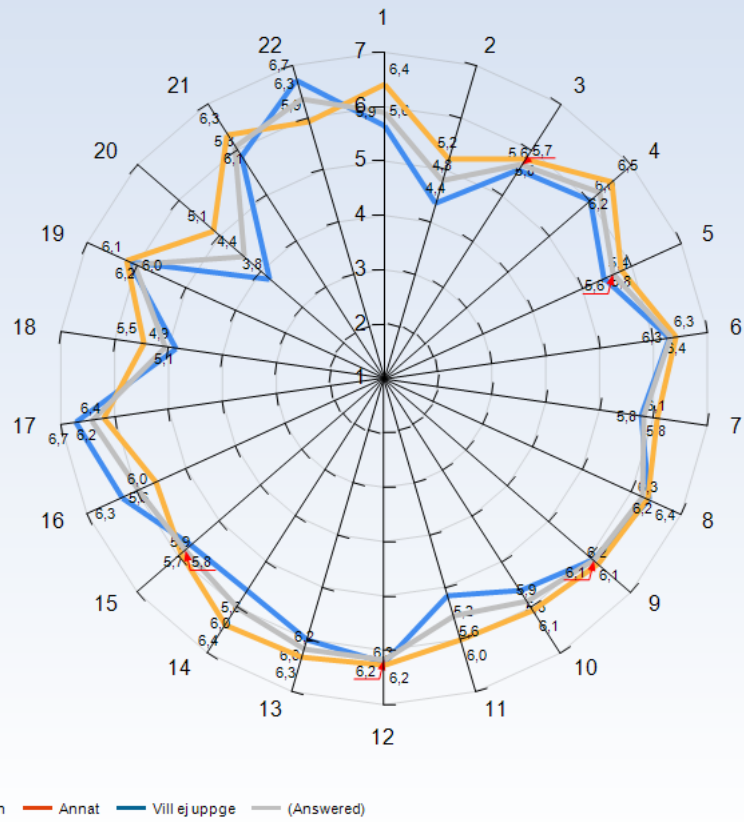
1 = No, I strongly disagree with the statement
4 = I am neutral to the statement
7 = Yes, I strongly agree with the statement

Note! A group has to include at least 3 respondents in order to appear in a diagram.

Average response to LEQ statements - all respondents

Average response to LEQ statements - per gender
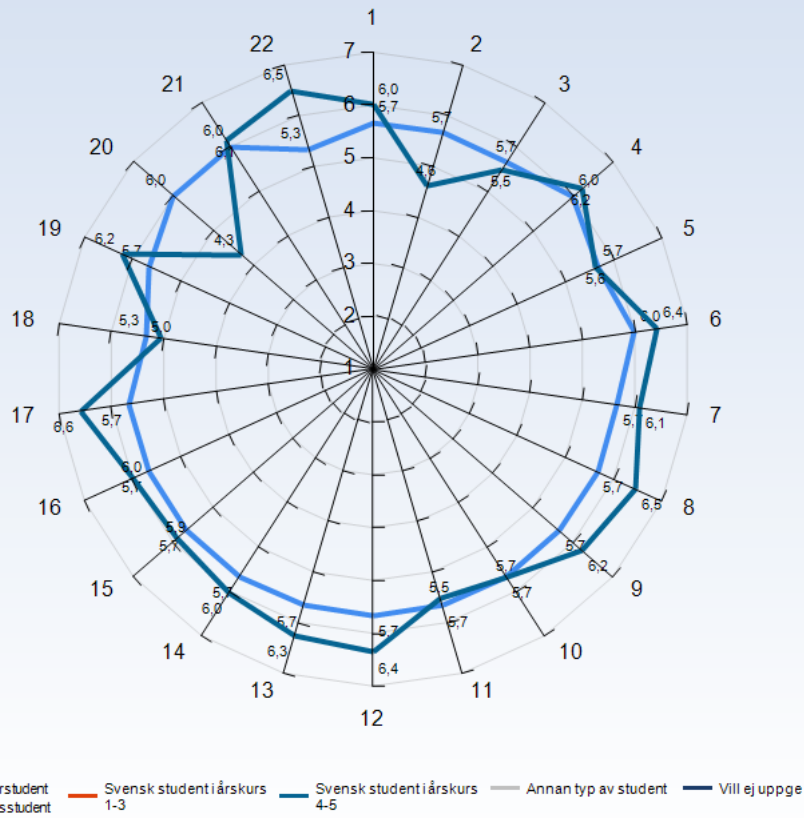
Legend: Kvinna, Man, Annat, Vill ej uppge, (Answered)

Comments

Comments (I am: Kvinna)

I did was treated based on my gender

Everything felt equal.

Average response to LEQ statements - per type of student

Legend: Internationell masterstudent | Svensk student i årskurs 1-3 | Svensk student i årskurs 4-5 | Annan typ av student | Vill ej uppge | Internationell utbytesstudent

Comments

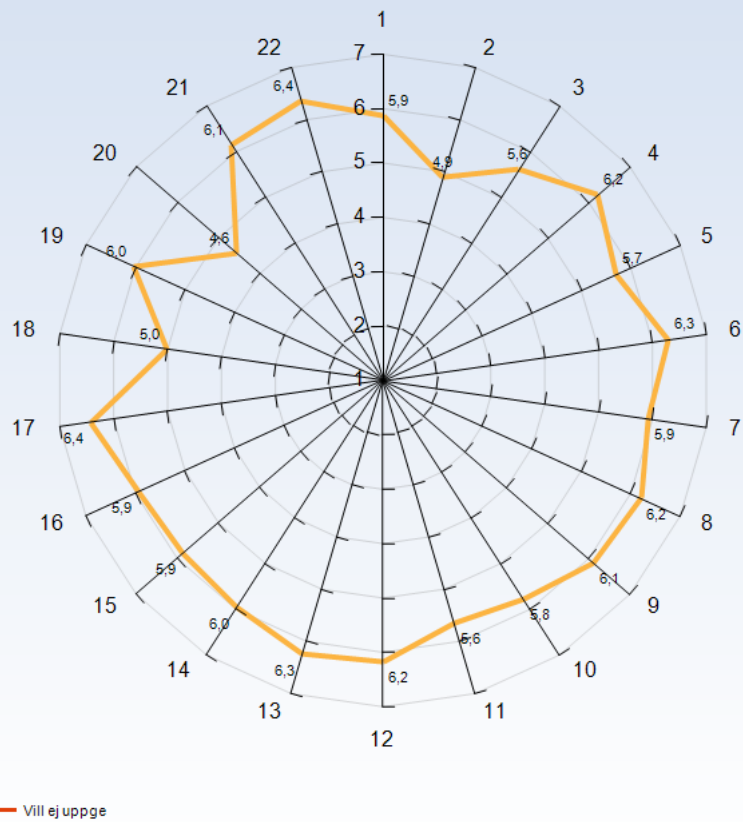| Comments (I am: Svensk student i årskurs 4-5) |
| --- |
| Valdes som frivillig kurs och tycker det varit kul att få testa på olika programvaror som man kan stöta på i arbetslivet |
| This was a relevant course for my masters |

Comments (I am: Annan typ av student)
Double Degree Student

Average response to LEQ statements - per disability

Legend: — Ja   — Nej   — Vill ej uppge

Comments

Comments (My response was: Ja)

my dyslexia affect writing the lecture summary and even this survey.

Comments (My response was: Nej)

Don't think type-1 diabetes counts.

What was the best aspect of the course?

What was the best aspect of the course? (I worked: 3-5 timmar/vecka)

Labs were at the right level

Bra instruktioner på labbar! Underlättade inlärningen och förståelsen av tillämpning i arbetslivet ökade i och med föreläsningen kopplad till ämnet.

Laborationerna va väldigt bra!

What was the best aspect of the course? (I worked: 6-8 timmar/vecka)

Att få lära sig främst genom laborationer och eget arbete

The variety of tasks and interactive atmosphere of learning

Interesting guest lectures - great with the connection to the industry

The dynamics of Lasse and Per. Can't name a better duo.

Getting a wider view and understanding on different software applications and concepts that can be used in different sectors.

Very dedicated teachers that were keen on helping us learn.

Hands on learning and no stupid final that grades how well you study and not what you have learned.

The individual opportunity to affect your grade.

Learing CAD, and not being afraid to open solid edge.

Teamwork

What was the best aspect of the course? (I worked: 9-11 timmar/vecka)

That you always could get help if you needed.

The hands on part of it, that you actually had the opportunity to try out the programs yourself and not just Learn the theory behind it.

Upplägg och struktur.

Lasse and Per - good mentors!

The labs were easy to follow and you were able to get help which was good.

What was the best aspect of the course? (I worked: 12-14 timmar/vecka)

Easy to follow labs.

What was the best aspect of the course? (I worked: 24-26 timmar/vecka)

Working on models which was challenging

What would you suggest to improve?

What would you suggest to improve? (I worked: 3-5 timmar/vecka)

I understand it is hard to make sure nobody cheats. But for me, who had pretty low CAD-knowledge before, and therefore having to spend a huge ammount of hours risking other courses and actually making my tasks by myself to get graded G on both the mandatory tasks, while someone who got their model from a friend spending less than 1 hour just to prepare their A3-sheet gets a G+ is quite irritating. I am not saying that I deserved a higher grade, in fact I got what I think I deserve and what I expected, but I think you see my point.

Kanske två nivåer på labbarna som de med erfarenhet sedan tidigare kunde fått chansen att höja sitt betyg ett steg istället för att göra dubbelt jobb med frivillig inlämning utöver schemalagd tid också.

Kändes som att gästföreläsarna i många fall inte va så engagerade vilket gjorde det tråkigt att lyssna på

What would you suggest to improve? (I worked: 6-8 timmar/vecka)

Det skulle vara bra om material för t.ex. labbar kunde publiceras i förväg så man kan arbeta med dem i förtid om man t.ex. har schemakrock och inte kan stanna ett helt labpass

What is there to improve?

It would be nice if the software was available somewhere else on campus as well. It's difficult to get a spot in M221 or M226 sometimes because they're booked so often.

Keep on evolving, developing, and improving as it appears have been the norm.
It would be nice to somehow get a bit more preview into the different guest lecture subjects to be able to choose one, based on subject interest, earlier on. Not sure exactly how that could be accomplished though.
It would also be nice to have the option to write a connecting reflection on a few of the lectures as they all share so many similarities, as opposed to just focus on one.

A bit more in-depth introduction of a new system.

No deadlines during the exam period. As a student, I was stressed to the extent of crying during this period. Put the deadlines either before or one week after, to give a fair try. Now, the second assignment was not done very well. And I did not have enough time to study on my other exam.

Integration between labs and grade improving tasks

What would you suggest to improve? (I worked: 9-11 timmar/vecka)

Inlämningarna borde börja på period 2.

Lower the amount of hours it takes to recieve the higher grades.

I think the course has too many compulsory tasks, and for example the guest lectures were not very conducive. I would have liked more to work with MPS and maybe other IT tools that are not directly related to CAD. The course did not feel very relevant.

What would you suggest to improve? (I worked: 12-14 timmar/vecka)

Nothing.

What would you suggest to improve? (I worked: 27-29 timmar/vecka)

Don't force people to team up for the voluntery assignments. The product data communication assignment would've taken way less workload and time if done solo instead of having to find available times together with another person.

What advice would you like to give to future participants?

What advice would you like to give to future participants? (I worked: 3-5 timmar/vecka)

Do the guest lecture summary right after the lecture or you will not remember what your notes mean.

Even though you feel you have absolutely zero CAD-knowledge and on beforehand the tasks seem impossible, they're not, and sooner or later you will be able to solve the problems.

What advice would you like to give to future participants? (I worked: 6-8 timmar/vecka)

Börja med inlämningarna i god tid

Read the instructions and everything will work out fine.

Read the instructions carefully

Start the compulsory CAD-home assignments early. :)

Take the time to see the reality behind the task you are working on. Don't loose track of that, for example a CAD model, is a description of something real. Can it be built, made, used? Is it feasible?

Make sure you understand the labs.

Every assignment takes more time you think...

Come to the computer rooms 15 minutes early and ask for help early instead of getting stuck

What advice would you like to give to future participants? (I worked: 9-11 timmar/vecka)

Att inte skjuta upp något.

Go all in or go for pass

Keep up with the course planning and start early with the CAD assignments (1 and 2).

What advice would you like to give to future participants? (I worked: 12-14 timmar/vecka)

Dont miss labs.

Is there anything else you would like to add?

Is there anything else you would like to add? (I worked: 6-8 timmar/vecka)

-

A compulsory Glendronach seminar would have been great, hard to connect to the course though.

Thank you!

:)

Good course!

no

Thank you'

Is there anything else you would like to add? (I worked: 9-11 timmar/vecka)

Very well structured and interesting course! :)

Is there anything else you would like to add? (I worked: 12-14 timmar/vecka)
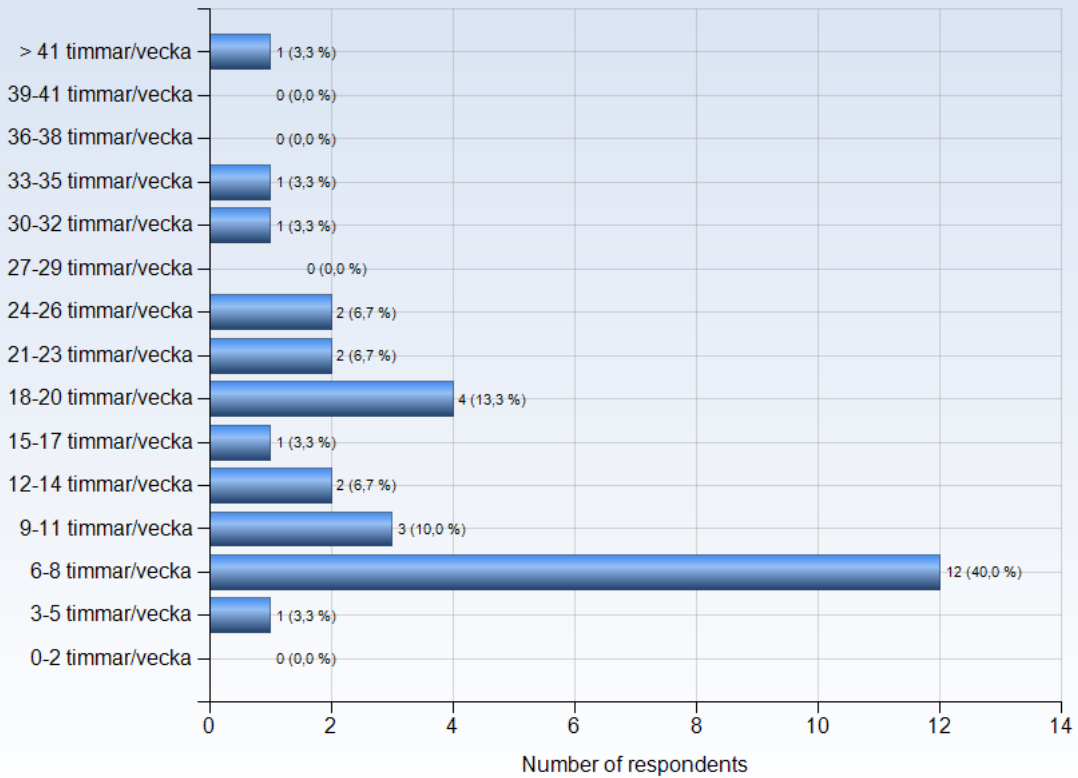
No.

SPECIFIC QUESTIONS

MG2128 - 2018-12-10

Antal respondenter: 57
Antal svar: 31
Svarsfrekvens: 54,39 %

ESTIMATED WORKLOAD

On average, how many hours/week did you work with the course (including scheduled hours)?

Category	Number of respondents
> 41 timmar/vecka	1 (3,3 %)
39-41 timmar/vecka	0 (0,0 %)
36-38 timmar/vecka	0 (0,0 %)
33-35 timmar/vecka	1 (3,3 %)
30-32 timmar/vecka	1 (3,3 %)
27-29 timmar/vecka	0 (0,0 %)
24-26 timmar/vecka	2 (6,7 %)
21-23 timmar/vecka	2 (6,7 %)
18-20 timmar/vecka	4 (13,3 %)
15-17 timmar/vecka	1 (3,3 %)
12-14 timmar/vecka	2 (6,7 %)
9-11 timmar/vecka	3 (10,0 %)
6-8 timmar/vecka	12 (40,0 %)
3-5 timmar/vecka	1 (3,3 %)
0-2 timmar/vecka	0 (0,0 %)

Number of respondents

Comments

Comments (I worked: 3-5 timmar/vecka)

The course is very informative and got to now the software solid edge in detail and other softwares as well. This changed the perspective on CAD Designing and how helpful it has become.

Comments (I worked: 6-8 timmar/vecka)

The first weeks felt sometimes to hectic. I would prefer having the exercises more spread out.

As with any other course as well, there is a great variation from one week to another in the workload, which makes it hard to think of an average. However, the workload was manageable overall and I think represents the course credits quite fairly.

Most time was spent on the scheduled hours. With the occassional projects in between which added up to extra time in some weeks.

It didn't take much time, but if you are not practical for the excercise, the time would be longer.

It is really an interesting course. This course is a good bridge for students who are willing to do Advanced CAD or any other design software.

good

Comments (I worked: 9-11 timmar/vecka)

I was learning a little more but I was tring to learn new things for my own curiosty purpose

The instructions for compulsory CAD exercises were almost written in a perfect way so I was able to complete all those exercises on time and understand them properly. The real time consumption was in the Homework assignments where I learned alot. I can say that the time I have spent learning this course will play a vital role in the field of CAD design and I will be able to do the real world tasks in the field of design much quickly and comprehensively.

Comments (I worked: 12-14 timmar/vecka)

The Course has been an Important Part for Developing our CAD and CAM Skills which are Vital for having a Thorough Conceptual Critical Thinking for the Product Design and Data Flow, Configurations. The Complexity of the Products have been keenly Framed in the Course so as to Address the Product Design in CAD, Product Data Flow and using the Configuration in a Smart Way. The Course has also been Extraordinary in the Lectures by Teachers and Guest Lectures where we could see a Virtual Paradigms of CAD and CAM Systems which are reflecting the Course Specific Knowledge in us by having an Important Vision in the Current Practices in the Industry. The Assignments Reflect our Critical Thinking and Complex Modelling and Design where we develop a Strong Design Skills which will be along with us throughout the Entire Career and Future. The Course is a Foundation for the Future courses and in the Career Aspects.

Big workload, but great to have a class where one can be a little creative and have own ideas on how to solve a problem.

Comments (I worked: 15-17 timmar/vecka)

Demanding non compulsory exercises that require plenty of time for their completition

Comments (I worked: 21-23 timmar/vecka)

Väldigt många moment, som är väldigt tidskrävande. Det har varit svårt att hinna med allt, om man satsar på ett högre betyg.

Comments (I worked: 24-26 timmar/vecka)

It was very time intensive, especially the voluntary assignments.

Comments (I worked: 30-32 timmar/vecka)

It is good, and I learn a lot of knowledge from many cases.

Comments (I worked: 33-35 timmar/vecka)

The course is well structured and organised with lectures and lab sessions.

The polar diagrams below show the average response to the LEQ statements for different groups of respondents (only valid responses are included). The scale that is used in the diagrams is defined by:
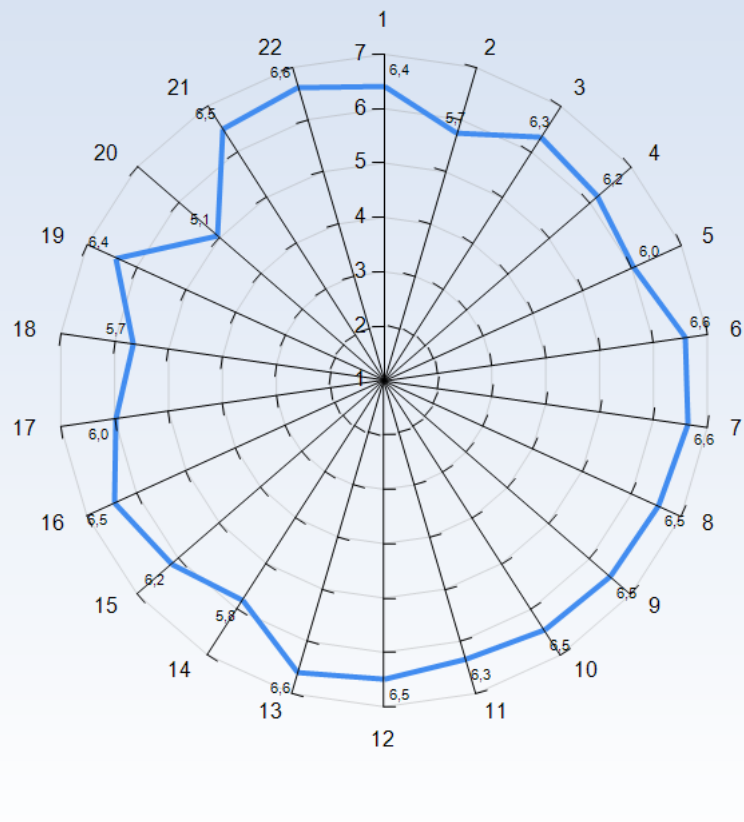
1 = No, I strongly disagree with the statement
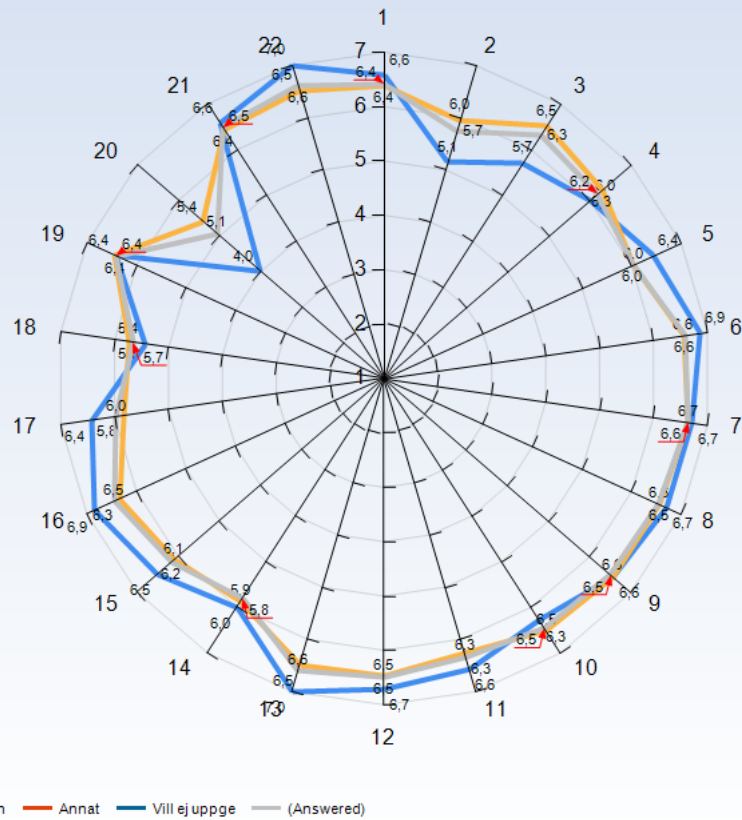4 = I am neutral to the statement
7 = Yes, I strongly agree with the statement

Note! A group has to include at least 3 respondents in order to appear in a diagram.

Average response to LEQ statements - all respondents

Medelvärde

Average response to LEQ statements - per gender

Legend: Kvinna — Man — Annat — Vill ej uppge — (Answered)

Comments

Comments (I am: Kvinna)

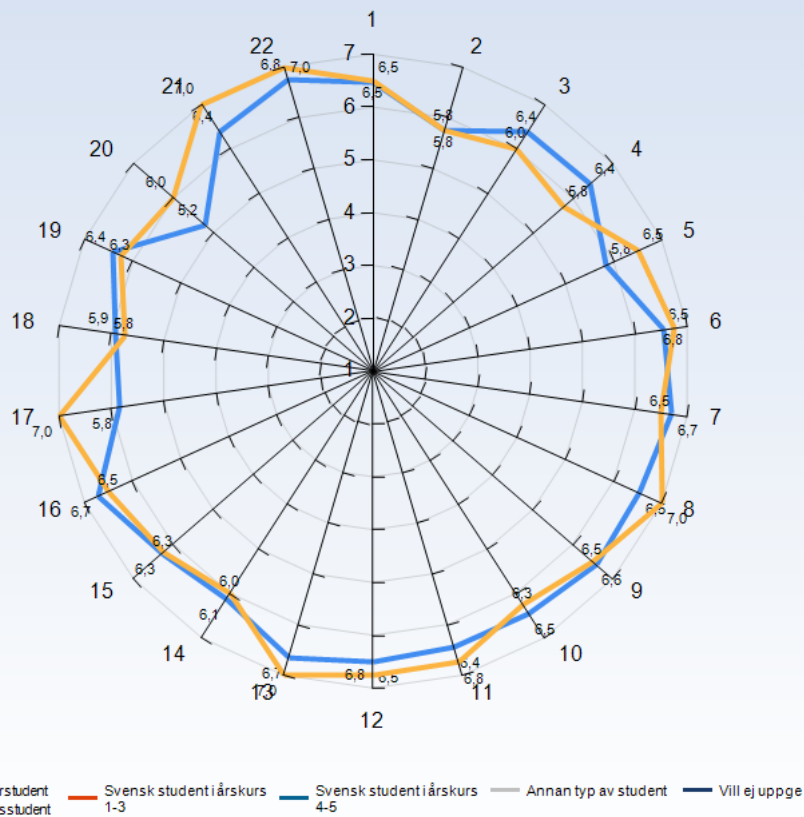As a woman I feel completely and equaly included

---

Comments (I am: Man)

nothing to comment on.

The Course has been Awesome and has been keen for Equal Opportunity for All of us.

The way of learning and teaching is completely different from the place I am coming from. It is good that more weightage is given towards the application side of the concepts learnt.

Average response to LEQ statements - per type of student

Legend:
- Internationell masterstudent
- Internationell utbytesstudent
- Svensk student i årskurs 1-3
- Svensk student i årskurs 4-5
- Annan typ av student
- Vill ej uppge

Comments

Comments (I am: Internationell masterstudent)

great first course at KTH. Showed me that I made the right choice.

very helpful

The Course has been an Excellent Structure for all the Students.

The course was not as easy as it may seem for those who are new to the course/did not take such course before.
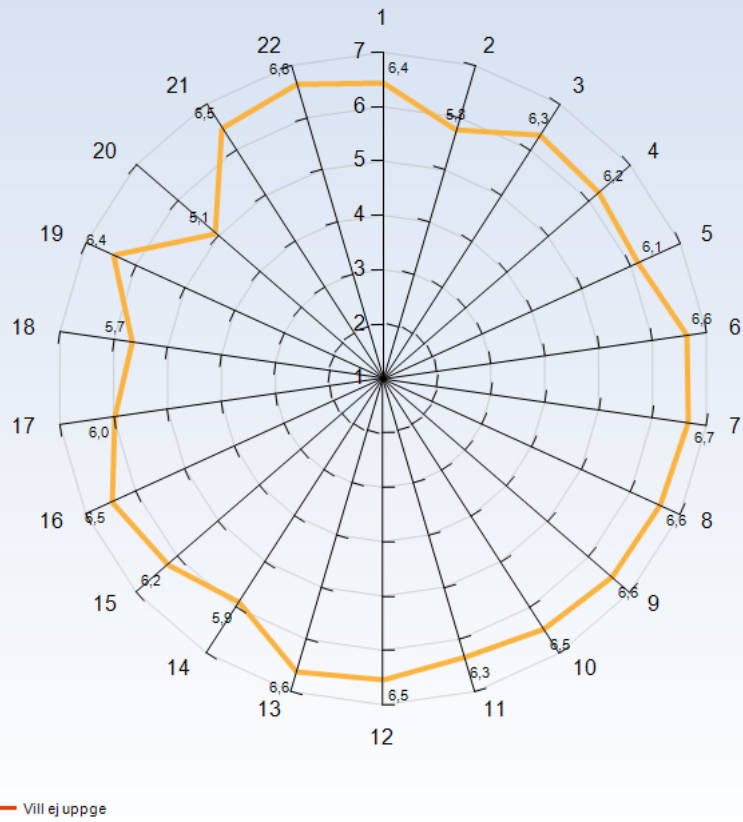
Coming from a different education system, this course helped me understand the requirements from professor point of view.

Comments (I am: Svensk student i årskurs 4-5)

Perfectly included in the course despite I cannot speak Swedish

Average response to LEQ statements – per disability

1 — 6,4
2 — 5,8
3 — 6,3
4 — 6,2
5 — 6,1
6 — 6,6
7 — 6,7
8 — 6,6
9 — 6,6
10 — 6,5
11 — 6,3
12 — 6,5
13 — 6,6
14 — 5,9
15 — 6,2
16 — 6,5
17 — 6,0
18 — 5,7
19 — 6,4
20 — 5,1
21 — 6,5
22 — 6,6

— Ja — Nej — Vill ej uppge

Comments

GENERAL QUESTIONS

What was the best aspect of the course?

What was the best aspect of the course? (I worked: 3-5 timmar/vecka)

Working with Per and Lasse. And the team assignments were fun and require a little thinking as well.

What was the best aspect of the course? (I worked: 6-8 timmar/vecka)

The CAD exercises was challenging and interesting + guest lectures

Homework assignments were great to deepen knowledge about the methodology of creating a cad model. The instructions to the lab were always in great detail and well prepared.

I really liked the teachers. They really made the course better since they were so involved with students. Out of the so many students they were still very personal and allways ready to help.

Many kinds of CAD software could be used during the course.

The non voluntary assignments are the best aspects. It was stimulating and challenging.

help from exercise

The labs

What was the best aspect of the course? (I worked: 9-11 timmar/vecka)

The guest lectures and the labs are well organized, linked to each other and interesting.

The teachers are very kind, competent and available if we have any issue.

Both the Prof.'s teaching, hats off. Well structed

Course instructors and the course structure

What was the best aspect of the course? (I worked: 12-14 timmar/vecka)

The Best Aspects of the Course were:
1. The Lectures were very important and the Teachers helped us to Understand the Key Concepts in more Efficient and Easier Way.
2. The Lab Sessions were Simulated and was made by Teachers before the Lab which made us to Do the Lab in Easier and Quicker Way.
3. The Lab Instructions and Methods were so much Detailed and was very good to do the Lab Procedures more Efficiently and Perfectly to achieve the Intended Results.
4. The Guest Lectures were So Excellent that made me to Understand the Concepts Virtually of the Current Progress in the Domain and Apply it with the Example in the Lab Session.
5. The Assignments were very Useful for Sharpening our Knowledge in the Particular Area by Enhancing the Progress through the Assignments.

I found the exercises and descriptions very clearly structured and understandable. The tasks were very interesting and I learned a lot.

What was the best aspect of the course? (I worked: 15-17 timmar/vecka)

The closeness of the teachers. They made easy to ask doubts to them.

What was the best aspect of the course? (I worked: 18-20 timmar/vecka)

All we were teached in the lessons was apply at the lab sessions. Practical examples were shown.

The first two assignments in the first period and the voluntary assignments helped me to apply all the knowledge learned in the CAD labs.

The course structure.

The content of the course is very interesting and way of teaching with more practical session is apt for such courses.

The instructions were clear and easy to follow.

What was the best aspect of the course? (I worked: 21-23 timmar/vecka)

Tacton

What was the best aspect of the course? (I worked: 24-26 timmar/vecka)

Working in groups, helpful lecturers, invitation of Guest lecturers,

The fact that we covered such a large area of different concepts, but we're able to relate them with one another.

What was the best aspect of the course? (I worked: 30-32 timmar/vecka)

It practices me in different cases.

What was the best aspect of the course? (I worked: 33-35 timmar/vecka)

The instructions in the manual are very clear and elaborate. The faculty are very experienced and are accessible for doubts at any time. The guest lectures arranged were really useful and important in understanding the current industry applications of the software with which we work. The assignments help us to better learn and understand and are really useful and challenging.

What would you suggest to improve?

What would you suggest to improve? (I worked: 6-8 timmar/vecka)

Compared to other courses a big group assignment might be good to think about cad modelling with more people at the same time. However, I wonder if that is necessary. 1. other courses already include many group assignments. Maybe it would turn out to be too much if MG2128 also required a group assignment. 2. I wonder if the subject of CAD modelling requires a group assignment to deepen one's understanding of the topic.

Make some projects a bit more challenging. I do understand that getting to know these systems are best done by following the manuals. However, now the labs were sometimes a bit too much 'reading a recipe'. I really enjoyed one of the Homework assignments where we had to design on our own, instead of following a manual.

There should be a rule stating that no 2 members of the group can work in more than one lab exercise.

more information about the application in real work

Guest lectures more related to our subject

What would you suggest to improve? (I worked: 9-11 timmar/vecka)

It could maybe have been more interesting to learn new concepts or reminders of certains things such as plan reading for instance because the lab instructions were very well explained, so doing the lab during the lecture was maybe a little redundant.

nothing much, just the last excercise(FEA)

I think SolidWORKS and CATIA softwares are more common in the industry so my suggestion is to include SolidWORKS in the course outline.

What would you suggest to improve? (I worked: 12-14 timmar/vecka)

The Course was really Excellent and Challenging and for Improvement, The Course is already having a Good Structure.

The only think I didn´t enjoy was the first voluntary assignment on product data communication. In my opinion an extra assignment on adjustable assembly models would be much more interesting. Especially because I feel I really understood the systems GibbsCAM and Tacton after I have done the voluntary assignment two and three.

What would you suggest to improve? (I worked: 15-17 timmar/vecka)

Guest lectures more focus on practical topics. I found more interesting if the lecturer explains real life cases to have an insight of their work instead of general theory.

What would you suggest to improve? (I worked: 18-20 timmar/vecka)

To provide the softwares so we can practice at home because sometimes our shcedule don't allow us to go to the lab.

To provide the software used in the Product Data Communication to the students, I couldn't have Solid works in my computer.

Not restricting to the use of Solid Edge software.

Nil.

What would you suggest to improve? (I worked: 21-23 timmar/vecka)

Färre men svårare uppgifter. (Examination)

What would you suggest to improve? (I worked: 24-26 timmar/vecka)

Providing additional lectures for those who are beginners in the course at least in the beginning / who have experience with other cad softwares but not solid edge

The guest lectures didn't impress me much. The topics they discussed were very interesting but most guest speakers did not manage to find a connection to us as students.

What would you suggest to improve? (I worked: 30-32 timmar/vecka)

Add more lectures

What would you suggest to improve? (I worked: 33-35 timmar/vecka)

For freshers or people who have had very less experience with design software , maybe apart from the 3 initial exercises we can have more or maybe an assignment. This would help them to better solve the forthcoming assignments and participate in the class. It would also be good if other software are also available to download to work from home like how tacton was made available. It would be great if there was an assignment that could help understand what it takes to make different data systems communicate such as the CRM and PLM etc.

What advice would you like to give to future participants?

What advice would you like to give to future participants? (I worked: 3-5 timmar/vecka)
The course is interesting and will help towards your career. This course is fun to learn and study as well. Since there are no exams

What advice would you like to give to future participants? (I worked: 6-8 timmar/vecka)
Look at the instructions before coming to the lectures otherwise you won't understand a lot.
Pay attention in the labs and the lab introductions during the lecture.
Try to get the general scope of what the course is about. It is not only about the actual skills of working in these systems, but also what challenges still need to be tackled. (The communication part of it.)
Just simply folow Per or Lasse. Try to grab their ideas. Dont mess with them.
be patient

What advice would you like to give to future participants? (I worked: 9-11 timmar/vecka)
come with a fun and curious mind
This course is extremely interesting and challenging. The knowledge of basic CAD and other IT tools should be a part of every Mechanical Engineer's profile as it will help in solving some major and some minor problems in the field.

What advice would you like to give to future participants? (I worked: 12-14 timmar/vecka)
The Course would be a Good Enhancing Foundation and Key Driving Force for the Other Courses and you can have a Challenging and an Exciting Experience in the Course. You will also have an Awesome Opportunity to Work in Different Design and Simulation Software.
If you keep up with the tasks and understand the key concepts in the beginning it is much easier to work on more complex tasks. The course is great and I would recommend going to the scheduled classes, where you can always ask questions.

What advice would you like to give to future participants? (I worked: 15-17 timmar/vecka)
Be ready to spend lot of time in the Computer lab.

What advice would you like to give to future participants? (I worked: 18-20 timmar/vecka)
It is important to do all the assignments as soon as possible or at the end they will have to do all assignments at the same time.
To collaborate with other classmates, share different ideas and try to go further.
A very interesting course, more effort helps in exploring more ideas.
The more time spend, the more to learn.

What advice would you like to give to future participants? (I worked: 21-23 timmar/vecka)
Börja i tid och var beredd på att saker tar tid.

What advice would you like to give to future participants? (I worked: 24-26 timmar/vecka)
Use your time wisely, Try to start and finish your assignment as early as possible.
To ask as many questions as possible and to give it time and patience.

What advice would you like to give to future participants? (I worked: 30-32 timmar/vecka)
Practice more outside classes

What advice would you like to give to future participants? (I worked: 33-35 timmar/vecka)
It is a great and important coursework that made me understand some of the challenges and complications involved in design and developing a robust design. It also enlightened me on the scope available in this domain. It is essential that participants spend quality time exploring and learning the software. To make the best of this course - Spend more time with the software.

Is there anything else you would like to add?

Is there anything else you would like to add? (I worked: 6-8 timmar/vecka)

I didn't see what the learning outcome was of the first voluntary assignment, unfortunately it was too time consuming.

Thanks Per and Lasse for a very well organised course and your great responsiveness to questions.

Lärarna i kursern bör förbättra sin attityd gentemot studenterna,situationer som när man ber om hjälp eller allmänna frågor har jag oftast ångrat mig då jag fått nedlåtande reaktioner och svar. Oftast försökte jag reda ut frågetecken med hjälp av klasskamrater och vid tekniska lösningar på labbar sökte jag alltid hjälp av övnings assistenter istället för lärarna.

Nothing

wish creative assignment

Is there anything else you would like to add? (I worked: 9-11 timmar/vecka)

Lars Wingard and Pers Johansson are great instructors and human beings. Their pair has made this course interesting, exciting and challenging. I expect that all the future students should choose this course and learn in this great environment provided by Lars and Pers.

Is there anything else you would like to add? (I worked: 12-14 timmar/vecka)

The Course Structure is Really Challenging and has been Fantastic. The Course has helped me to become more Knowledge in the CAD Systems and other Simulation Software. The Teachers are really Good Mentors and Guided me very Well throughout the Course. I really Love this Course.

Thank you Lars and Per it was great participating in this course.

Is there anything else you would like to add? (I worked: 18-20 timmar/vecka)

None.

Nil.

Is there anything else you would like to add? (I worked: 21-23 timmar/vecka)

Kursen var rolig och delvis lärorik.

Is there anything else you would like to add? (I worked: 24-26 timmar/vecka)

I would recommend the lecturers to continue their will to help/taking extra time , whenever required. That was very encouraging.

I've truly enjoyed the course.

Is there anything else you would like to add? (I worked: 30-32 timmar/vecka)

No

SPECIFIC QUESTIONS