HT19 Course evaluation SG2804 Biomechanics of Human Movement

Metadata

Number of registered students	42	
Number of students with passing grade	41	
Responses to course evaluation	35	(85% answer frequency)
KTH Programs		
Erasmus/Exchange	17	
TMLEM Masters Medicinsk teknik	10	
TIPUM Masters Engin. Design (Ind.Prod.utveck.)	5	
TIDTM Masters Sports technology	4	(plus 1 who never attended)
CMEDT Civ.Ing Medicinsk teknik	2	
TTEMM Masters teknisk mekanik	2	
PhD student	1	

How valuable was the course content to you?

Worthless	0
Of small value	2
Valuable	21
Very valuable	12

How interesting was the course content to you

Not at all	0
Not much	0
Somewhat	8
Very	27

I have learned a lot…

Do not agree	0
Disagree somewhat	1
Agree somewhat	20
Agree completely	14

Comments

Lectures were of a good scope for me to learn the material

Do not agree	0
Disagree somewhat	3
Agree somewhat	22
Agree completely	9

How many lectures did you attend? (out of 16)

1-4 lectures	0
5-8 lectures	7
9-13 lectures	14
14-16 lectures	14

Did the lecturer present the material in an interesting way?

Not at all	0
Somewhat	2
Rather interesting	11
Very interesting	22

How do you generally rate the* guest *lecturers´ contributions to the course?

	SG: Orthopedic surgery	TA: Sports biomechanics
Poor	0	0
Not great	3	4
Good	11	12
Very good	10	10

What is your opinion of the course's exam/grading design (i.e. group projects instead of final exam)?

Poor	2
Not great	7
Good	9
Very good	17
Summary of comments	*Overall students have been very positive to the exam design. They often comment that the projects take a lot of work, but that their comprehension of the course material is much better through projects and application. Not many comment on grading, but occasionally, if group members had different ambitions.*

What is your general opinion of projects 1-3?

Poor	0
Not great	10
Good	20
Very good	5

What is your opinion of the final project?

Poor	0
Not great	6
Good	17
Very good	12

What was good with the course?

"Very interesting lectures. Teamwork for projects", "Fun project ideas and good teaching in lectures", "To actually DO exercises helps to understand the theory behind. Lectures were interesting as well", "I really liked the lectures!", "Project works", "Engaging and interesting lectures", "Topic was interesting with mostly good projects", "Learn how to use OpenSIM", "Motivated teacher (Lanie), good lectures and organisation", "Very interesting content and presentations", "Got to know a lot about movements and muscles", "The teacher is employing the theoretical basis in practical tasks", "Contents were interesting", "The contents and practical applications", "Topic, motivation of Lanie", "Working in group allows you to learn much more than with just a final exam", "Go over and over physiomech knowledge, it gives full confidence in topic", "The subjects and the way they were presented", "Learnt a lot and met some nice people in my groups", "Interesting, enthusiastic way classes were given, very practical approach", "Examples and projects", "I have learned a lot about muscles and bones", "The lectures and guest lectures", "Learned a lot about human physiology and biomechanics", "You learned a lot, especially when you can't so much biomechanics", "Projects are a good was to learn more due to practical part", "Examination with projects", "To know better how the human body works in an engineered scale", "I liked learning something about movements in a biomechanical way", "Project work instead of exams diving quite deep into few subjects instead of covering everything shallowly"

What about the course do you think should be changed?

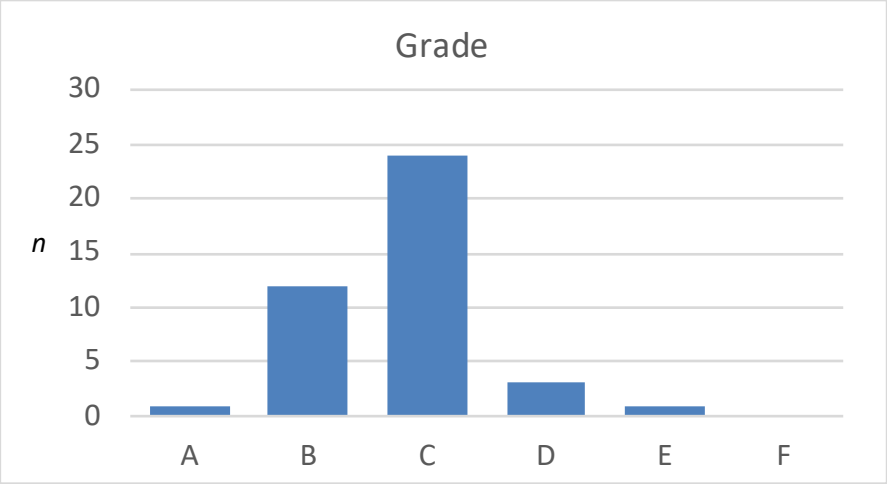
Summary: The most frequent response was that students request more help with OpenSIM. Perhaps longer deadlines

If you could give some advice to next year's students, what would it be?

"Attend the lectures", "Final project takes more time than it seems. Also textbook is very useful. Also talk to everyone about OpenSIM (help)", "Textbook is useful!", "Come to lecture, that's the best part", "Start working on the projects in time. Organize an save the setup files well", "Be open and discuss with other groups to learn the program", "Have discussions with other groups", "Choose same group members if possible!", "Attend lectures -> help given", "Do not make assumptions that lead to hypotheses for the final project without consulting lecture material", "Good luck", "The plots on the slides is all you need to understand", "Attention to details in the projects", "Be prepared to work consistantly throughout the course. Don't write too much in your report", "start working on the project when you get them, try to go to classes and really listen", "Consider to review more literature", "The projects take a lot of time", "Use the book more :-) ", "Do not underestimate the workload", "Interesting for someone who likes sports, medical and robotics. I will recommend the course to these students", "Start early on the projects", "Try to mix both the theory and its application (thinking of examplifications) would help to understand the course", "Start on projects after the first lecture of the introduction week"

Course analysis

All 41 students (who actually turned up) passed. The grades were as below:



Conclusions after grades and course evaluations:

The course went smoothly and was well-attended. The reports were initially quite poor but improved significantly during the course period. The majority of students want more OpenSIM help. Noted! For the HT20 course, I will dedicate one of the 16 lectures to OpenSIM theory and practice, early in the period. I will also schedule office hours to me and to Ruoli. I will also have a look over the deadlines for Proj 2 and the tutorial. The guest lectures continue to be popular and appreciated.