



Moodle Stack

Alustan hyödyntäminen opetuksessa

Intermediate microeconomics 2018

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Sisällys

- Moodle oppimisympäristönä
 - Esittely
 - Palaute

- Moodle Stack harjoitukset

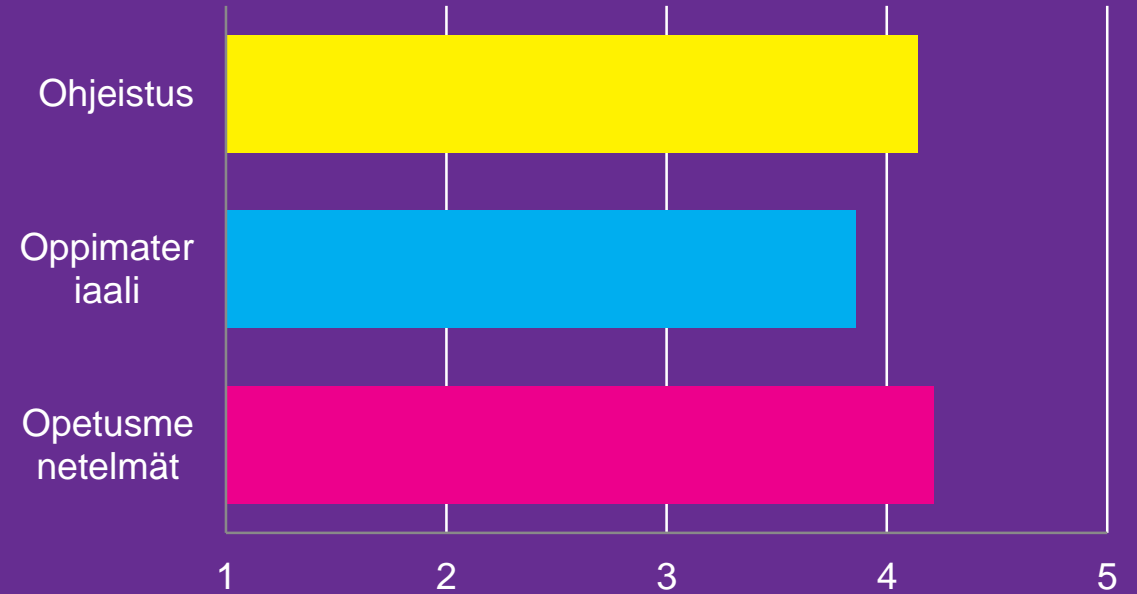


Moodle (Stack) oppimisympäristönä

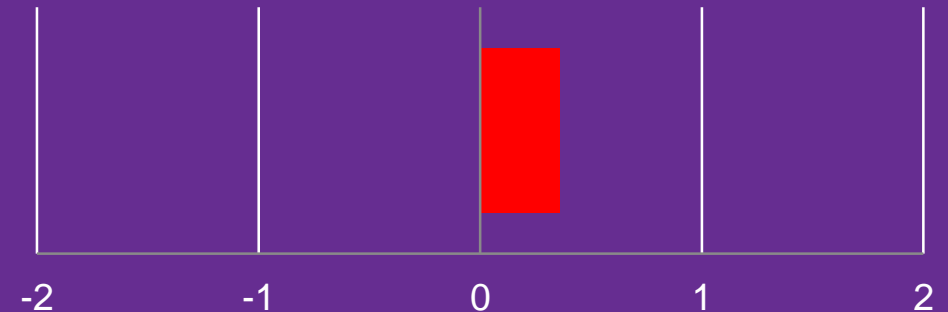


Palaute kurssista (palaute.oulu.fi):

Yleiset palautteet



Kuormittavuus





Avoim palaute kurssista (palaute oulu fi):

Hyvät käytännöt kurssilla:

- Harjoitustehtävät, selkeät luentomateriaalit
- Clear lecture material, various helpful exercises and problem sets.
- Tehtävät selkeitä ja hyviä. Tehtävien avulla aina oppii hyvin ja koska niitä oli paljon, edisti se oppimista.
- Moodle ympäristö oli toimiva. Kaikki materiaali samassa paikassa ja tehtävien palautus onnistui ilman skannailuja tai papereiden palauttelua. Ja vastaukset pääsi käymään läpi heti tehtävät palautettuaan.
- Opetusympäristö netissä, harjoitustehtävät
- Tehtävien tekeminen oli erittäin helppoa ja kätevää moodlessa.



Avoim palaute kurssista (palaute oulu.fi):

Things to develop

- Moodle stack oli aika huono alusta tälle kurssille, sillä sen kautta tehtäviin vastaaminen oli hankalaa.
- Moodlen tehtävissä oli aika paljon virheitä ja Moodle ei hyväksynyt kaikkia oikeitakaan vastauksia, jos niitä ei ollut esitetty tismalleen oikeassa muodossa. Toki tehtävät ilmeisesti tarkistettiin ja korjattiin oikeiksi jos kyse oli Moodlen virheestä, mutta tämä todennäköisesti työllistää luennoitsijoita turhaan. Tehtävänannossa voisi esimerkiksi antaa ohjeen, missä muodossa vastaus halutaan, mikä muuttuja ilmoitetaan ensin jne.
- The module system of homework is not good because it's useless and took a lot of time to answer
- Oppimisympäristön tehtäviin syötettävä enemmän vastausvaihtoehtoja esim. Tehtävä oli väärin jos vastauksen syötti muodossa $x+y=m$, jos ainoa opettajan syöttämä vastaus oli $y+x=m$ -oppimisympäristön tehtävänannot selkeämmiksi ja jos tehtävä on moniosainen on kaikki ennakkotiedot toistettava jokaisessa kysymysikkunassa



Moodle Stack - tehtävät



Palaute Moodle Stack -alustasta

	Strongly disagree	Disagree	Neither agree nor disagree	Agree	Strongly agree	Do not know/No opinion	Yhteensä	Keskiarvo
Moodle was easy to use	0	2	0	10	5	0	17	4,06
Compared to traditional pen and paper exercises the electronic problem sets helped my learning	2	2	5	7	1	0	17	3,18
Technical issues with Moodle made learning harder for me	1	8	3	5	0	0	17	2,71
The problems sets required more work than with traditional pen and paper exercises	1	5	7	2	1	1	17	2,65
The additional materials in Moodle helped my learning	0	1	3	10	3	0	17	3,88
The automatic feedback in problem sets helped my learning	1	1	3	8	4	0	17	3,77
The problem sets were too hard	1	7	8	0	1	0	17	2,59
The problem sets were too long	1	7	4	5	0	0	17	2,77



How much time did you use on the problem sets on average per week?

- Keskimäärin opiskelijat arvioivat käyttäneensä 3,8 tuntia viikossa harjoitustehtäviin.



If you could change one thing about the problem sets what would it be and why?

- "The answers and exercises need to be explained and go through fully in the exercise session, otherwise if you did not know how to do it or did it wrong you may never learn it."
- "More clear questions. Sometimes it was hard to notice was I supposed to answer to questions with equations or with numerical answer. It was also very annoying with problem sets that even you inputted right answer, moodle informs you that it is wrong and does not give you points."
- "There was quite a lot of problems in some of the problem sets. Also, as I said at the beginning of the course, it would be nice to have the problem sets at least a week in advance. I personally had very limited time for some of the exercises because they very usually posted online like two days before the deadline. If this was the first time you were running the course on Moodle, I can understand this, but please add the materials from the get go next year since now you have run it and you can most likely use the same material. And don't just hold on to the material until the week the the course in general goes through the matter. This has happened a couple of times at OBS already and I have never understood the reasoning why teachers hold on to the materials."



If you could change one thing about the problem sets what would it be and why?

- "Less questions because now many questions asked exactly the same thing. It is boring to do exercises if 5 questions in a row are made by the same way. Also, many questions included information from the previous questions. In these cases, it was sometimes hard to know, how far away values could be taken. Maybe always in the beginning of a new question, it is good to write all the values again (it is clumsy to go back questions and guess which value should be used in this exact question)."
- "The problem sets are quite difficult in a way that they require students to seek extra materials and knowledge, the type that is not presented in classes by the teacher"
- "I would give example form for calculation exercises, what form students need to use so that moodle accept their answer. For example "Give a answer in form $x + y = m$ ""
- "A little more attention should be paid to the theoretical aspect of the course. The course mainly consists of calculation."



How can we improve the Moodle site and problem sets? Write us your ideas and suggestions.

- "Make moodle to accept more different ways to answer. It was very frustrating when you had to throw a coin for how to input your answer to moodle" (when the answers should be in decimal form and when as fractions or when as functions)."
- "Well, the slides could use a bit more rautalankaesimerkki. It's really no point putting some equations which are not understood by nearly all of the students, the internet has roughle 1,8 billion slidesets and youtube channels explaining every single one of the Varian chapters. It would be nice to get the examples to the problems from you as it saves 10-15 minutes on Google and there is no confusion with terms."
- "By adding the part of items that are waiting to be done."



How can we improve the Moodle site and problem sets? Write us your ideas and suggestions.

- "There were quite much mistakes in answers and moodle accept answer only one way even if the same answer could be written differently."
- "The typing flexibility of Moodle should be improved."
- "Vastauksissa tarkistin ei aina hyväksynyt oikeaa vastausta jos oli liikaa tai liian vähän sulkuja, vaikka vastaus oli oikein. Mutta nämä opettajan toimesta kyllä korjattiin. Myös loppupään tehtävissä ei myöskään saanut pisteitä jos oli laskenut vastauksen vähän eri tavalla kuin tarkistin, vaikka tulos olisi ollut sama."



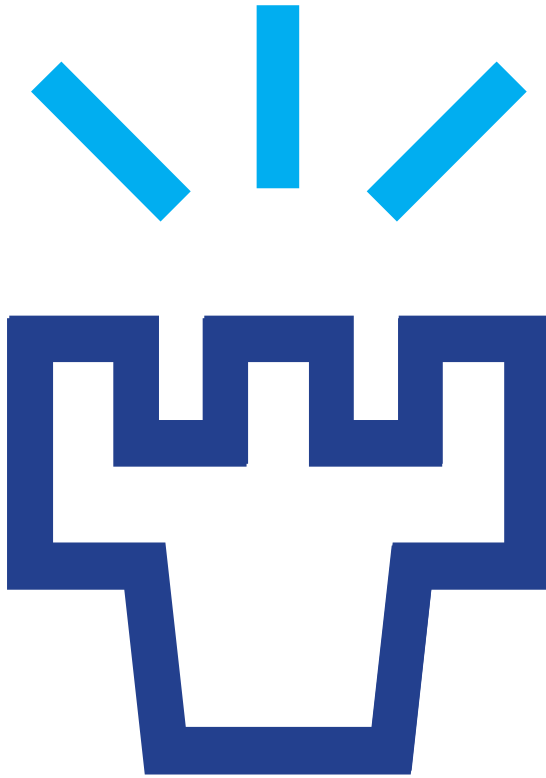
Anything else you would like to share or give feedback on.

- "I personally disliked using Moodle Stack as learning environment. I thought simply getting information that is the answer right or wrong did not really support my learning as Moodle did not give feedback for that did I have the idea of theory (or how the function works) right or wrong. Moodle (in term of exercises) is good platform for "multiple choice" questions, but I felt it did not work in practice for mathematical problemsolving."
- "Thanks for the course, I'd say that all in all it was a good way to hold the course and it will most likely just get better with more runs. Keep up the good work! Thanks!"
- "Moodle problem sets was good way to execute homeworks. I would have liked to go through more exercises / examples within the lectures."
- "The teachers did well in organising and managing the course."
- "Kurssia oli kuitenkin helppo ja kätevä suorittaa, toivoisin samanlaista mahdollisuutta myös muille kursseille."



Yhteenveto

- + Ajansäästö
 - + Oppimistulokset
 - + Monipuolinen ympäristö
 - + Kirjautuminen yliopiston tunnuksilla
-
- Tehtävien luonti vaatii opettelu
 - Ympäristön muokkaaminen vaatii opettelu
 - Automaattinen korjaus vaatii säätöä



**OULUN
YLIOPISTO**