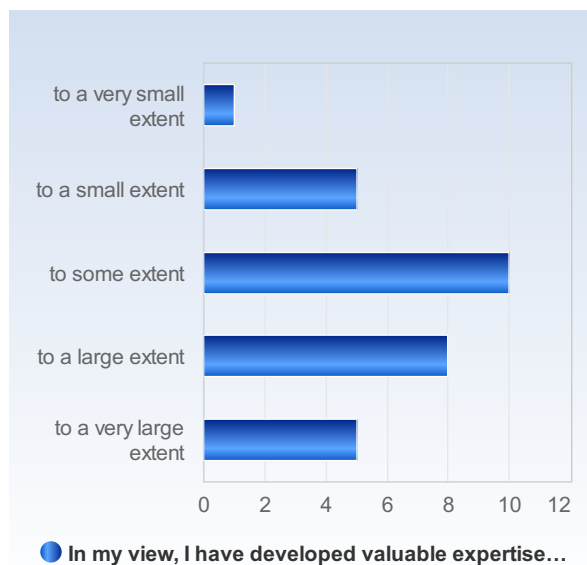


Chemical Biology VT-22

Respondents: 47
 Answer Count: 29
 Answer Frequency: 61.70%

In my view, I have developed valuable expertise/skills during the course.

In my view, I have developed valuable expertise /skills during the course.	Number of responses
to a very small extent	1 (3.4%)
to a small extent	5 (17.2%)
to some extent	10 (34.5%)
to a large extent	8 (27.6%)
to a very large extent	5 (17.2%)
Total	29 (100.0%)



	Mean	Standard Deviation	Coefficient of Variation	Min	Lower Quartile	Median	Upper Quartile	Max
In my view, I have developed valuable expertise/skills during the course.	3.4	1.1	32.0 %	1.0	3.0	3.0	4.0	5.0

In my view, I have achieved all the intended learning outcomes of the course.

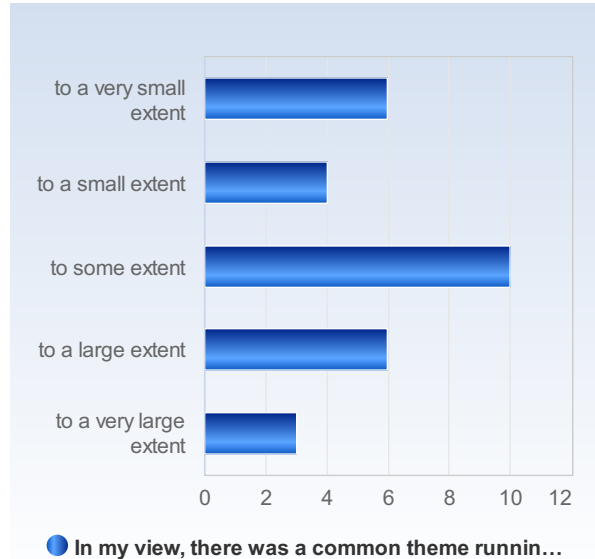
In my view, I have achieved all the intended learning outcomes of the course.	Number of responses
to a very small extent	0 (0.0%)
to a small extent	2 (6.9%)
to some extent	14 (48.3%)
to a large extent	8 (27.6%)
to a very large extent	5 (17.2%)
Total	29 (100.0%)



	Mean	Standard Deviation	Coefficient of Variation	Min	Lower Quartile	Median	Upper Quartile	Max
In my view, I have achieved all the intended learning outcomes of the course.	3.6	0.9	24.5 %	2.0	3.0	3.0	4.0	5.0

In my view, there was a common theme running throughout the course – from learning outcomes to examinations.

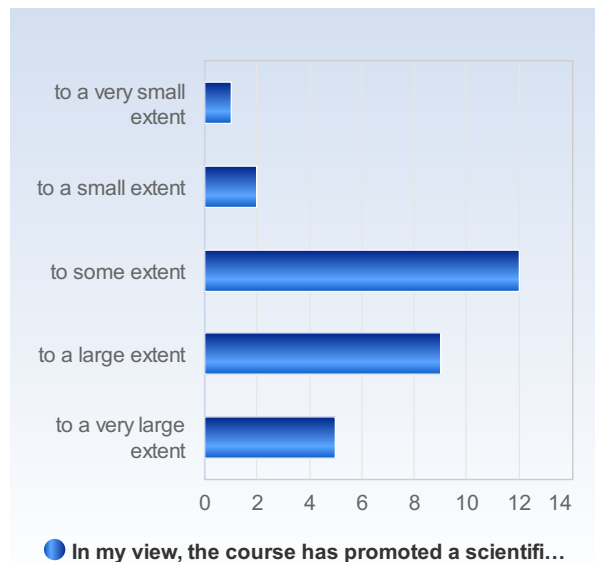
In my view, there was a common theme running throughout the course – from learning outcomes to examinations.	Number of responses
to a very small extent	6 (20.7%)
to a small extent	4 (13.8%)
to some extent	10 (34.5%)
to a large extent	6 (20.7%)
to a very large extent	3 (10.3%)
Total	29 (100.0%)



	Mean	Standard Deviation	Coefficient of Variation	Min	Lower Quartile	Median	Upper Quartile	Max
In my view, there was a common theme running throughout the course – from learning outcomes to examinations.	2.9	1.3	44.5 %	1.0	2.0	3.0	4.0	5.0

In my view, the course has promoted a scientific way of thinking and reasoning (e.g. analytical and critical thinking, independent search for and evaluation of information).

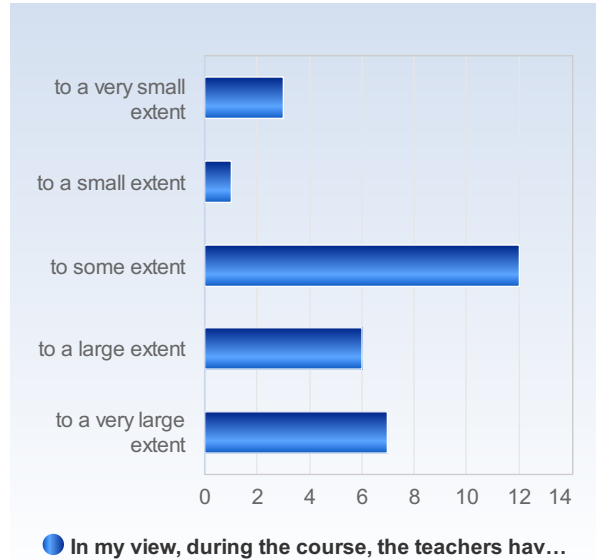
In my view, the course has promoted a scientific way of thinking and reasoning (e.g. analytical and critical thinking, independent search for and evaluation of information).	Number of responses
to a very small extent	1 (3.4%)
to a small extent	2 (6.9%)
to some extent	12 (41.4%)
to a large extent	9 (31.0%)
to a very large extent	5 (17.2%)
Total	29 (100.0%)



	Mean	Standard Deviation	Coefficient of Variation	Min	Lower Quartile	Median	Upper Quartile	Max
In my view, the course has promoted a scientific way of thinking and reasoning (e.g. analytical and critical thinking, independent search for and evaluation of information).	3.5	1.0	28.0 %	1.0	3.0	3.0	4.0	5.0

In my view, during the course, the teachers have been open to ideas and opinions about the course's structure and content.

In my view, during the course, the teachers have been open to ideas and opinions about the course's structure and content.	Number of responses
to a very small extent	3 (10.3%)
to a small extent	1 (3.4%)
to some extent	12 (41.4%)
to a large extent	6 (20.7%)
to a very large extent	7 (24.1%)
Total	29 (100.0%)



	Mean	Standard Deviation	Coefficient of Variation	Min	Lower Quartile	Median	Upper Quartile	Max
In my view, during the course, the teachers have been open to ideas and opinions about the course's structure and content.	3.4	1.2	35.2 %	1.0	3.0	3.0	4.0	5.0

To what extent do you feel that the workload during the course was reasonable in relation to the extent of the course/number of credits awarded?

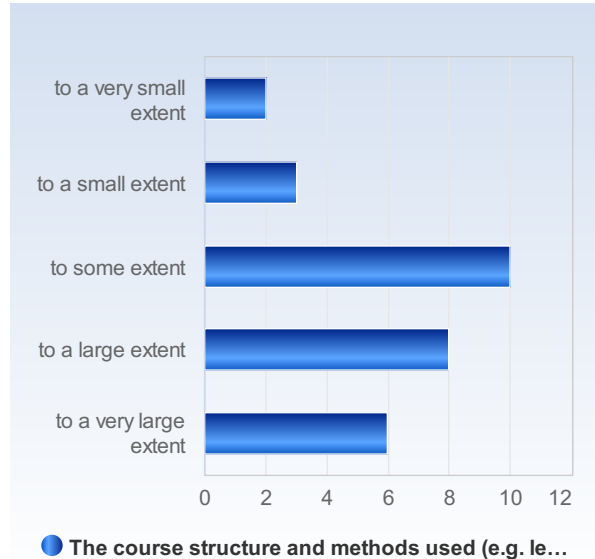
To what extent do you feel that the workload during the course was reasonable in relation to the extent of the course/number of credits awarded?	Number of responses
To a very small extent	3 (10.3%)
To a small extent	5 (17.2%)
To some extent	6 (20.7%)
To a large extent	11 (37.9%)
To a very large extent	4 (13.8%)
Total	29 (100.0%)



	Mean	Standard Deviation	Coefficient of Variation	Min	Lower Quartile	Median	Upper Quartile	Max
To what extent do you feel that the workload during the course was reasonable in relation to the extent of the course/number of credits awarded?	3.3	1.2	37.3 %	1.0	2.0	4.0	4.0	5.0

The course structure and methods used (e.g. lectures, exercises, seminars, assignments etc.) were relevant in relation to the learning outcomes.

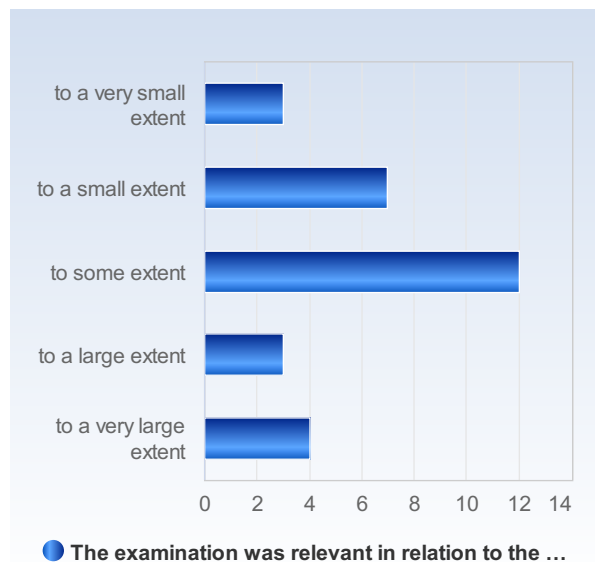
The course structure and methods used (e.g. lectures, exercises, seminars, assignments etc.) were relevant in relation to the learning outcomes.	Number of responses
to a very small extent	2 (6.9%)
to a small extent	3 (10.3%)
to some extent	10 (34.5%)
to a large extent	8 (27.6%)
to a very large extent	6 (20.7%)
Total	29 (100.0%)



	Mean	Standard Deviation	Coefficient of Variation	Min	Lower Quartile	Median	Upper Quartile	Max
The course structure and methods used (e.g. lectures, exercises, seminars, assignments etc.) were relevant in relation to the learning outcomes.	3.4	1.2	33.4 %	1.0	3.0	3.0	4.0	5.0

The examination was relevant in relation to the learning outcomes.

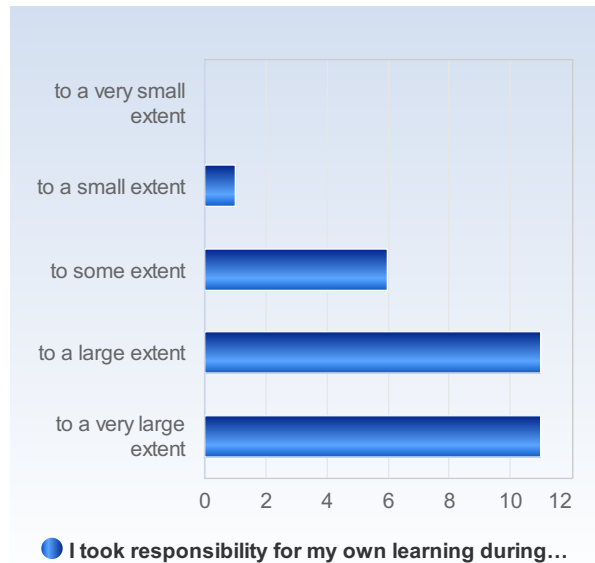
The examination was relevant in relation to the learning outcomes.	Number of responses
to a very small extent	3 (10.3%)
to a small extent	7 (24.1%)
to some extent	12 (41.4%)
to a large extent	3 (10.3%)
to a very large extent	4 (13.8%)
Total	29 (100.0%)



	Mean	Standard Deviation	Coefficient of Variation	Min	Lower Quartile	Median	Upper Quartile	Max
The examination was relevant in relation to the learning outcomes.	2.9	1.2	39.7 %	1.0	2.0	3.0	3.0	5.0

I took responsibility for my own learning during this course.

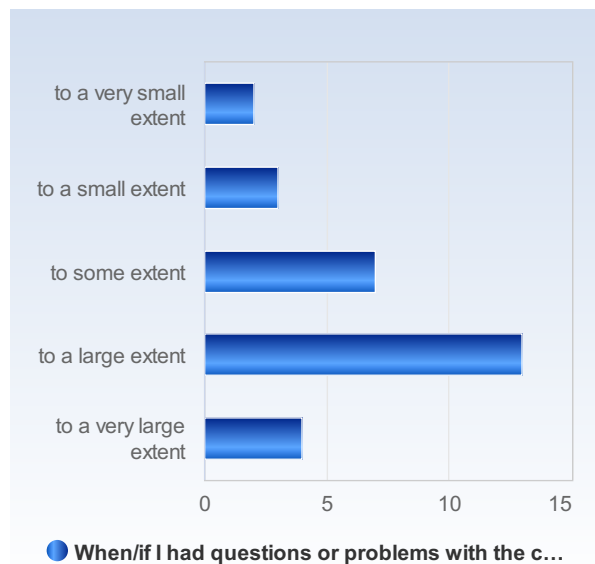
I took responsibility for my own learning during this course.	Number of responses
to a very small extent	0 (0.0%)
to a small extent	1 (3.4%)
to some extent	6 (20.7%)
to a large extent	11 (37.9%)
to a very large extent	11 (37.9%)
Total	29 (100.0%)



	Mean	Standard Deviation	Coefficient of Variation	Min	Lower Quartile	Median	Upper Quartile	Max
I took responsibility for my own learning during this course.	4.1	0.9	20.9 %	2.0	4.0	4.0	5.0	5.0

When/if I had questions or problems with the course content, I felt that I could turn to my teacher/supervisor for guidance.

When/if I had questions or problems with the course content, I felt that I could turn to my teacher/supervisor for guidance.	Number of responses
to a very small extent	2 (6.9%)
to a small extent	3 (10.3%)
to some extent	7 (24.1%)
to a large extent	13 (44.8%)
to a very large extent	4 (13.8%)
Total	29 (100.0%)



	Mean	Standard Deviation	Coefficient of Variation	Min	Lower Quartile	Median	Upper Quartile	Max
When/if I had questions or problems with the course content, I felt that I could turn to my teacher/supervisor for guidance.	3.5	1.1	31.3 %	1.0	3.0	4.0	4.0	5.0

The feedback that I have received has been important for my development and learning.

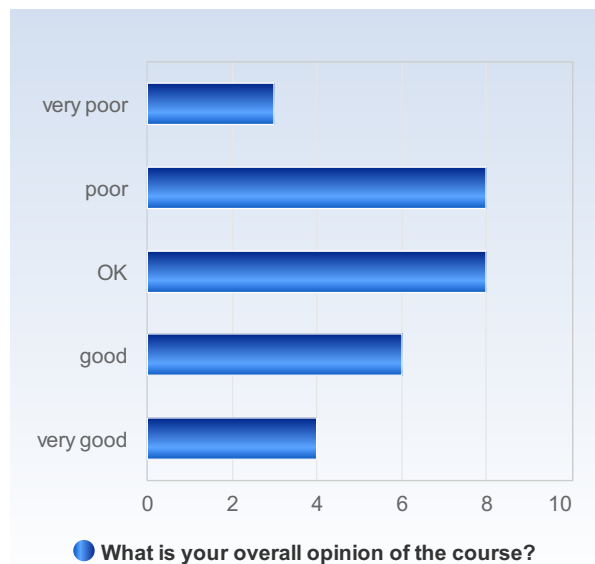
The feedback that I have received has been important for my development and learning.	Number of responses
to a very small extent	2 (6.9%)
to a small extent	5 (17.2%)
to some extent	13 (44.8%)
to a large extent	5 (17.2%)
to a very large extent	4 (13.8%)
Total	29 (100.0%)



	Mean	Standard Deviation	Coefficient of Variation	Min	Lower Quartile	Median	Upper Quartile	Max
The feedback that I have received has been important for my development and learning.	3.1	1.1	34.8 %	1.0	3.0	3.0	4.0	5.0

What is your overall opinion of the course?

What is your overall opinion of the course?	Number of responses
very poor	3 (10.3%)
poor	8 (27.6%)
OK	8 (27.6%)
good	6 (20.7%)
very good	4 (13.8%)
Total	29 (100.0%)

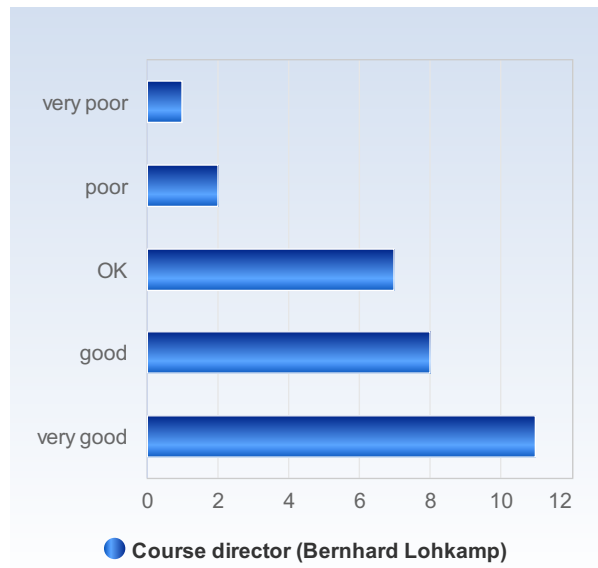


	Mean	Standard Deviation	Coefficient of Variation	Min	Lower Quartile	Median	Upper Quartile	Max
What is your overall opinion of the course?	3.0	1.2	40.8 %	1.0	2.0	3.0	4.0	5.0

For the entire course rate the attitude of the people (staff) you have been in contact with the MBB on the course.

Course director (Bernhard Lohkamp)

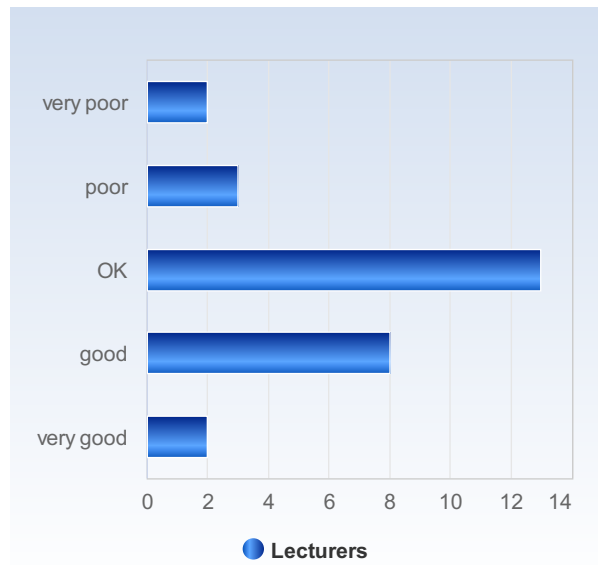
Course director (Bernhard Lohkamp)	Number of responses
very poor	1 (3.4%)
poor	2 (6.9%)
OK	7 (24.1%)
good	8 (27.6%)
very good	11 (37.9%)
Total	29 (100.0%)



	Mean	Standard Deviation	Coefficient of Variation	Min	Lower Quartile	Median	Upper Quartile	Max
Course director (Bernhard Lohkamp)	3.9	1.1	28.6 %	1.0	3.0	4.0	5.0	5.0

Lecturers

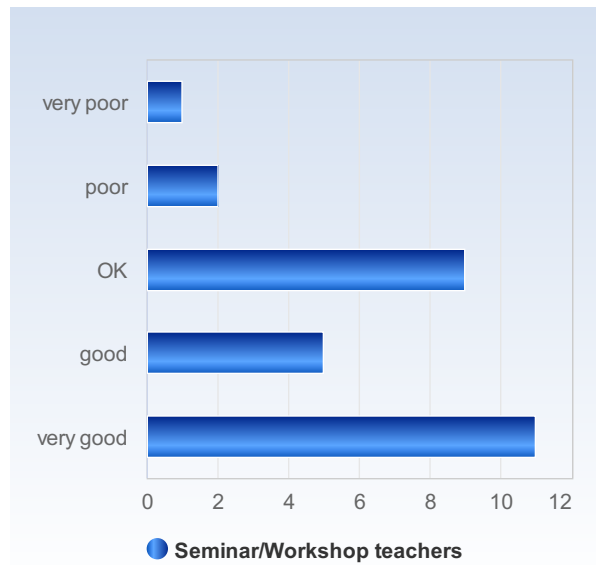
Lecturers	Number of responses
very poor	2 (7.1%)
poor	3 (10.7%)
OK	13 (46.4%)
good	8 (28.6%)
very good	2 (7.1%)
Total	28 (100.0%)



	Mean	Standard Deviation	Coefficient of Variation	Min	Lower Quartile	Median	Upper Quartile	Max
Lecturers	3.2	1.0	30.9 %	1.0	3.0	3.0	4.0	5.0

Seminar/Workshop teachers

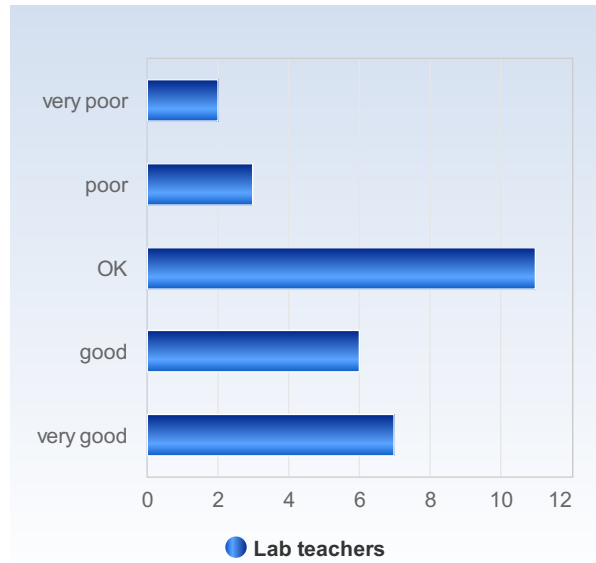
Seminar/Workshop teachers	Number of responses
very poor	1 (3.6%)
poor	2 (7.1%)
OK	9 (32.1%)
good	5 (17.9%)
very good	11 (39.3%)
Total	28 (100.0%)



	Mean	Standard Deviation	Coefficient of Variation	Min	Lower Quartile	Median	Upper Quartile	Max
Seminar/Workshop teachers	3.8	1.2	30.3 %	1.0	3.0	4.0	5.0	5.0

Lab teachers

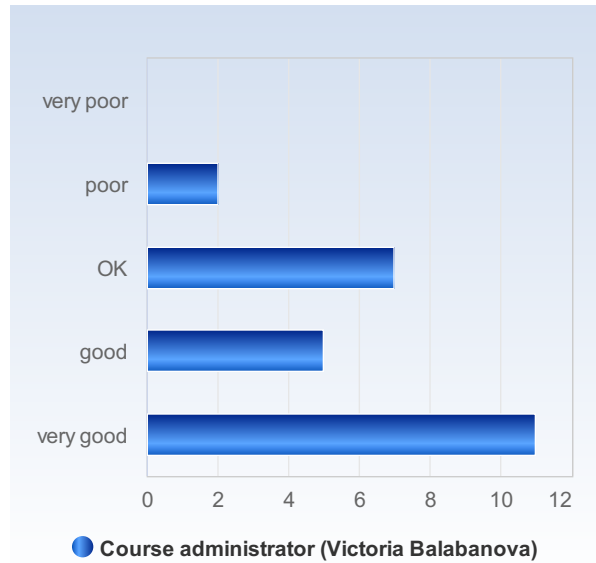
Lab teachers	Number of responses
very poor	2 (6.9%)
poor	3 (10.3%)
OK	11 (37.9%)
good	6 (20.7%)
very good	7 (24.1%)
Total	29 (100.0%)



	Mean	Standard Deviation	Coefficient of Variation	Min	Lower Quartile	Median	Upper Quartile	Max
Lab teachers	3.4	1.2	34.3 %	1.0	3.0	3.0	4.0	5.0

Course administrator (Victoria Balabanova)

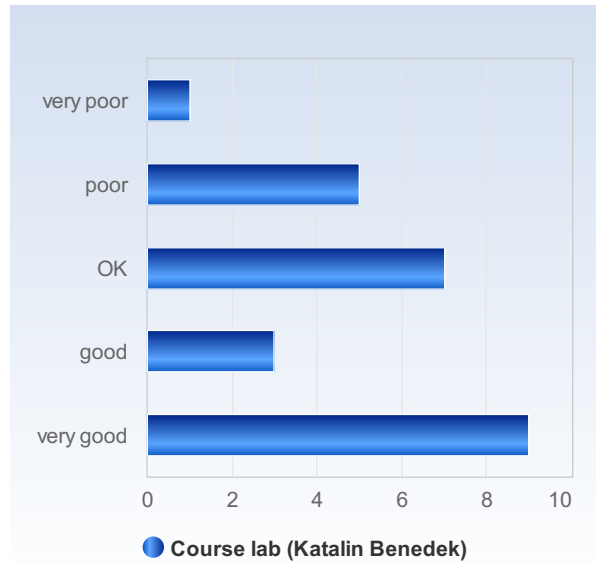
Course administrator (Victoria Balabanova)	Number of responses
very poor	0 (0.0%)
poor	2 (8.0%)
OK	7 (28.0%)
good	5 (20.0%)
very good	11 (44.0%)
Total	25 (100.0%)



	Mean	Standard Deviation	Coefficient of Variation	Min	Lower Quartile	Median	Upper Quartile	Max
Course administrator (Victoria Balabanova)	4.0	1.0	26.0 %	2.0	3.0	4.0	5.0	5.0

Course lab (Katalin Benedek)

Course lab (Katalin Benedek)	Number of responses
very poor	1 (4.0%)
poor	5 (20.0%)
OK	7 (28.0%)
good	3 (12.0%)
very good	9 (36.0%)
Total	25 (100.0%)

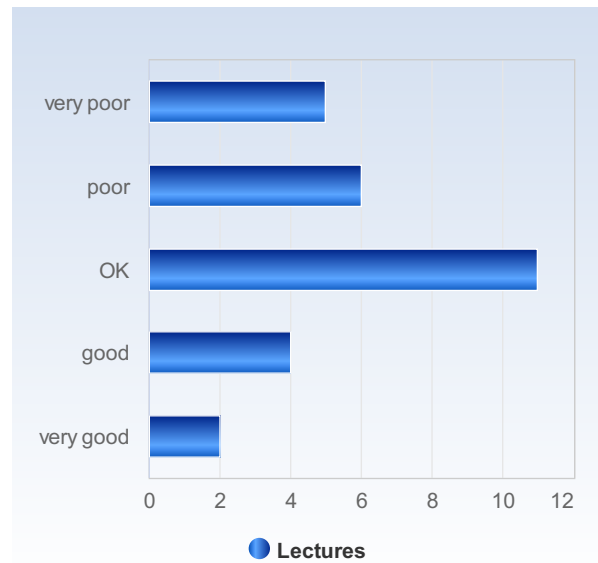


	Mean	Standard Deviation	Coefficient of Variation	Min	Lower Quartile	Median	Upper Quartile	Max
Course lab (Katalin Benedek)	3.6	1.3	36.3 %	1.0	3.0	3.0	5.0	5.0

Rate the following teaching modules.

Lectures

Lectures	Number of responses
very poor	5 (17.9%)
poor	6 (21.4%)
OK	11 (39.3%)
good	4 (14.3%)
very good	2 (7.1%)
Total	28 (100.0%)



	Mean	Standard Deviation	Coefficient of Variation	Min	Lower Quartile	Median	Upper Quartile	Max
Lectures	2.7	1.2	42.4 %	1.0	2.0	3.0	3.0	5.0

Seminars

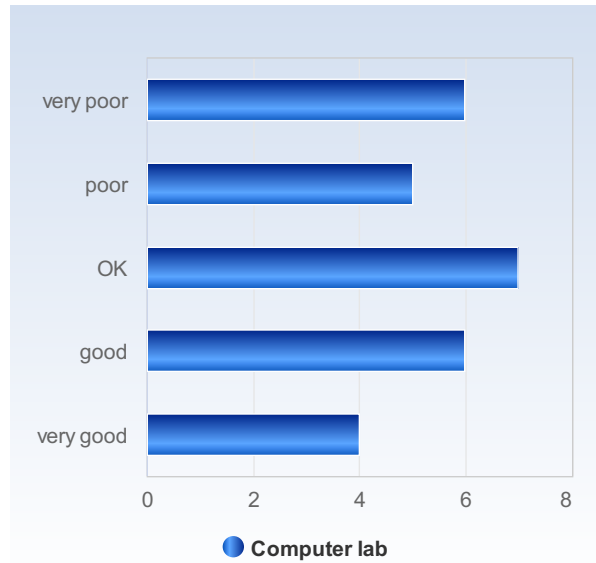
Seminars	Number of responses
very poor	2 (7.4%)
poor	4 (14.8%)
OK	5 (18.5%)
good	6 (22.2%)
very good	10 (37.0%)
Total	27 (100.0%)



	Mean	Standard Deviation	Coefficient of Variation	Min	Lower Quartile	Median	Upper Quartile	Max
Seminars	3.7	1.3	36.3 %	1.0	3.0	4.0	5.0	5.0

Computer lab

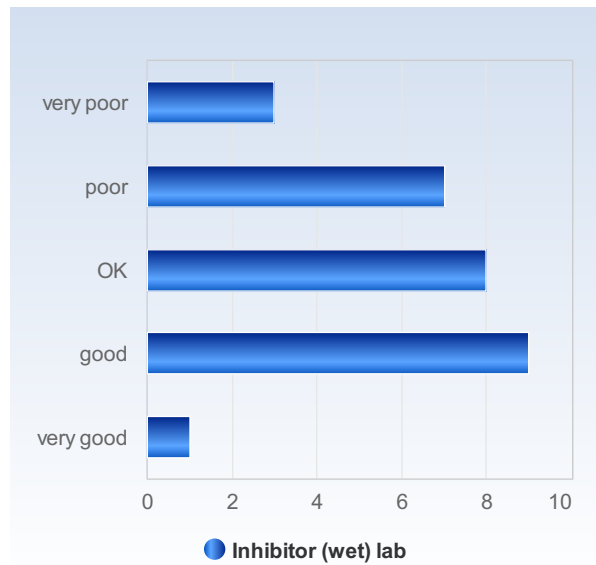
Computer lab	Number of responses
very poor	6 (21.4%)
poor	5 (17.9%)
OK	7 (25.0%)
good	6 (21.4%)
very good	4 (14.3%)
Total	28 (100.0%)



	Mean	Standard Deviation	Coefficient of Variation	Min	Lower Quartile	Median	Upper Quartile	Max
Computer lab	2.9	1.4	47.4 %	1.0	2.0	3.0	4.0	5.0

Inhibitor (wet) lab

Inhibitor (wet) lab	Number of responses
very poor	3 (10.7%)
poor	7 (25.0%)
OK	8 (28.6%)
good	9 (32.1%)
very good	1 (3.6%)
Total	28 (100.0%)



	Mean	Standard Deviation	Coefficient of Variation	Min	Lower Quartile	Median	Upper Quartile	Max
Inhibitor (wet) lab	2.9	1.1	37.1 %	1.0	2.0	3.0	4.0	5.0

Project work

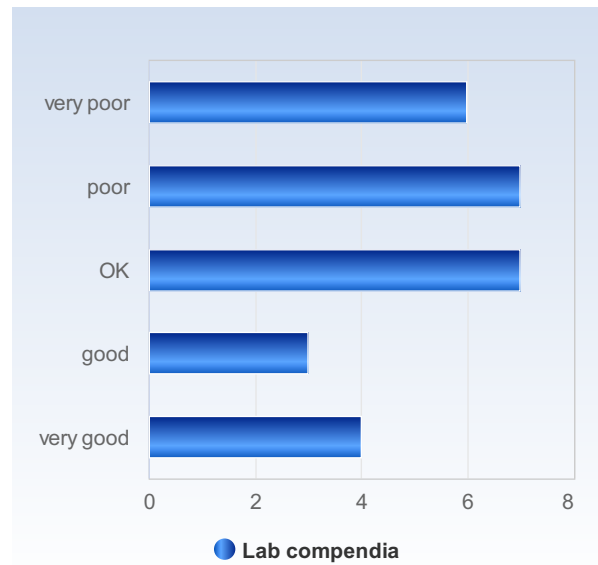
Project work	Number of responses
very poor	1 (3.6%)
poor	1 (3.6%)
OK	7 (25.0%)
good	12 (42.9%)
very good	7 (25.0%)
Total	28 (100.0%)



	Mean	Standard Deviation	Coefficient of Variation	Min	Lower Quartile	Median	Upper Quartile	Max
Project work	3.8	1.0	25.7 %	1.0	3.0	4.0	4.5	5.0

Lab compendia

Lab compendia	Number of responses
very poor	6 (22.2%)
poor	7 (25.9%)
OK	7 (25.9%)
good	3 (11.1%)
very good	4 (14.8%)
Total	27 (100.0%)

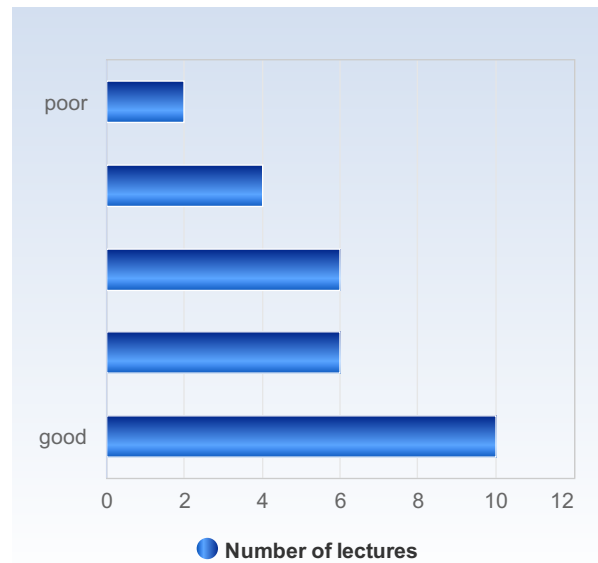


	Mean	Standard Deviation	Coefficient of Variation	Min	Lower Quartile	Median	Upper Quartile	Max
Lab compendia	2.7	1.4	50.1 %	1.0	2.0	3.0	3.5	5.0

Rate the following aspects of the course (the more stars, the better)

Number of lectures

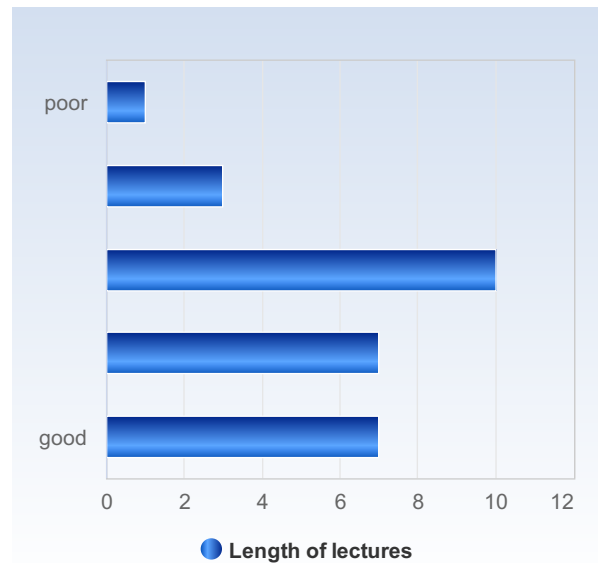
Number of lectures	Number of responses
poor	2 (7.1%)
	4 (14.3%)
	6 (21.4%)
	6 (21.4%)
good	10 (35.7%)
Total	28 (100.0%)



	Mean	Standard Deviation	Coefficient of Variation	Min	Lower Quartile	Median	Upper Quartile	Max
Number of lectures	3.6	1.3	36.0 %	1.0	3.0	4.0	5.0	5.0

Length of lectures

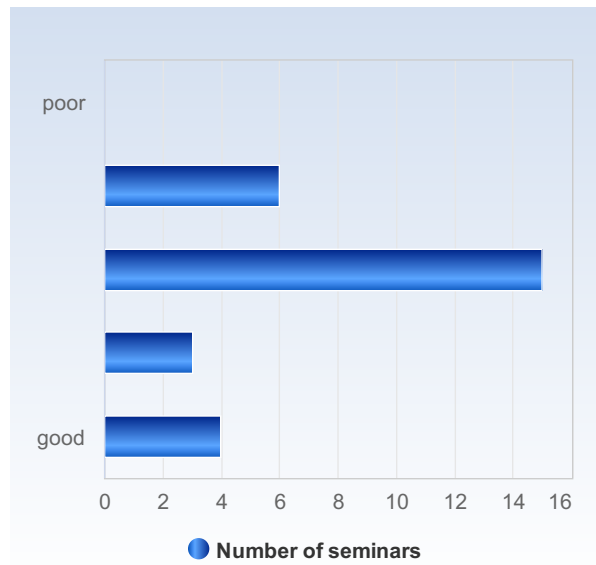
Length of lectures	Number of responses
poor	1 (3.6%)
	3 (10.7%)
	10 (35.7%)
	7 (25.0%)
good	7 (25.0%)
Total	28 (100.0%)



	Mean	Standard Deviation	Coefficient of Variation	Min	Lower Quartile	Median	Upper Quartile	Max
Length of lectures	3.6	1.1	30.9 %	1.0	3.0	3.5	4.5	5.0

Number of seminars

Number of seminars	Number of responses
poor	0 (0.0%)
	6 (21.4%)
	15 (53.6%)
	3 (10.7%)
good	4 (14.3%)
Total	28 (100.0%)



	Mean	Standard Deviation	Coefficient of Variation	Min	Lower Quartile	Median	Upper Quartile	Max
Number of seminars	3.2	0.9	29.7 %	2.0	3.0	3.0	3.5	5.0

Amount of practical work

Amount of practical work	Number of responses
poor	0 (0.0%)
	5 (17.9%)
	8 (28.6%)
	7 (25.0%)
good	8 (28.6%)
Total	28 (100.0%)



	Mean	Standard Deviation	Coefficient of Variation	Min	Lower Quartile	Median	Upper Quartile	Max
Amount of practical work	3.6	1.1	30.1 %	2.0	3.0	4.0	5.0	5.0

Number of project work meetings

Number of project work meetings	Number of responses
poor	2 (7.1%)
	1 (3.6%)
	5 (17.9%)
	2 (7.1%)
good	18 (64.3%)
Total	28 (100.0%)



	Mean	Standard Deviation	Coefficient of Variation	Min	Lower Quartile	Median	Upper Quartile	Max
Number of project work meetings	4.2	1.3	30.6 %	1.0	3.0	5.0	5.0	5.0

Project work group

Project work group	Number of responses
poor	1 (3.6%)
	4 (14.3%)
	2 (7.1%)
	5 (17.9%)
good	16 (57.1%)
Total	28 (100.0%)



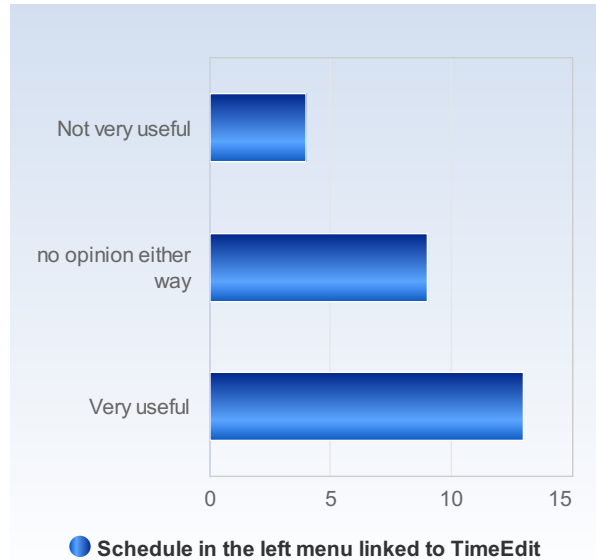
	Mean	Standard Deviation	Coefficient of Variation	Min	Lower Quartile	Median	Upper Quartile	Max
Project work group	4.1	1.3	30.6 %	1.0	3.5	5.0	5.0	5.0

TimeEdit schedule in Canvas

The TimeEdit schedule of the course was accessible in two different places in Canvas. A menu entry on the left linked directly to the TimeEdit page of the course. And the TimeEdit schedule showed up in the Calendar of Canvas (incl. "Coming up"). Was any of this useful?

Schedule in the left menu linked to TimeEdit

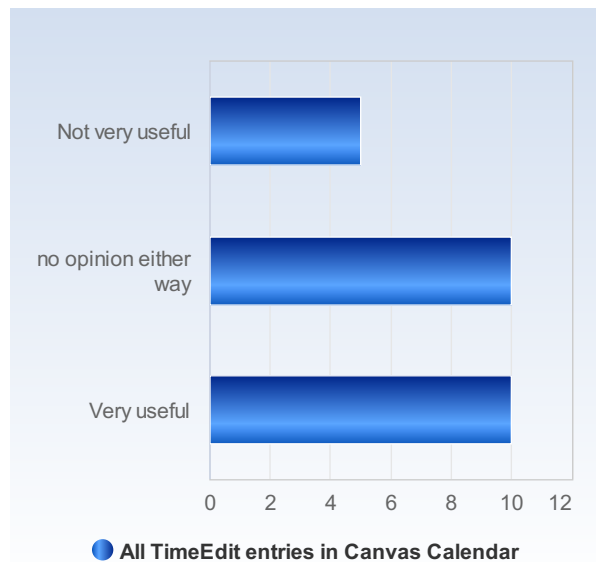
Schedule in the left menu linked to TimeEdit	Number of responses
Not very useful	4 (15.4%)
no opinion either way	9 (34.6%)
Very useful	13 (50.0%)
Total	26 (100.0%)



	Mean	Standard Deviation	Coefficient of Variation	Min	Lower Quartile	Median	Upper Quartile	Max
Schedule in the left menu linked to TimeEdit	2.3	0.7	31.8 %	1.0	2.0	2.5	3.0	3.0

All TimeEdit entries in Canvas Calendar

All TimeEdit entries in Canvas Calendar	Number of responses
Not very useful	5 (20.0%)
no opinion either way	10 (40.0%)
Very useful	10 (40.0%)
Total	25 (100.0%)



	Mean	Standard Deviation	Coefficient of Variation	Min	Lower Quartile	Median	Upper Quartile	Max
All TimeEdit entries in Canvas Calendar	2.2	0.8	34.7 %	1.0	2.0	2.0	3.0	3.0

Extra (Labster) questions for research

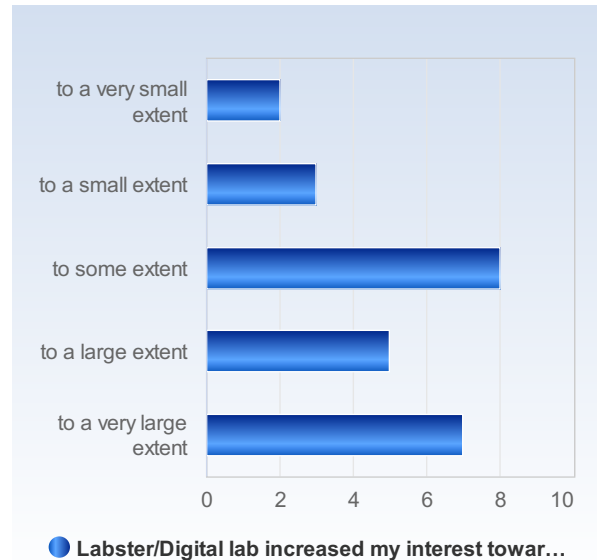
Karolinska Institutet became part of a new Erasmus+ strategic partnership, aiming to develop virtual laboratory training and teamwork in biomedicine education.

We would be grateful if you can answer several questions about virtual laboratories. By answering the following questions, you also give consent to allow us use, analyse and distribute the answers for research purpose.

Here of course only relevant for the voluntary NMR simulation, so please ignore if you have not done this.

Labster/Digital lab increased my interest towards the course content.

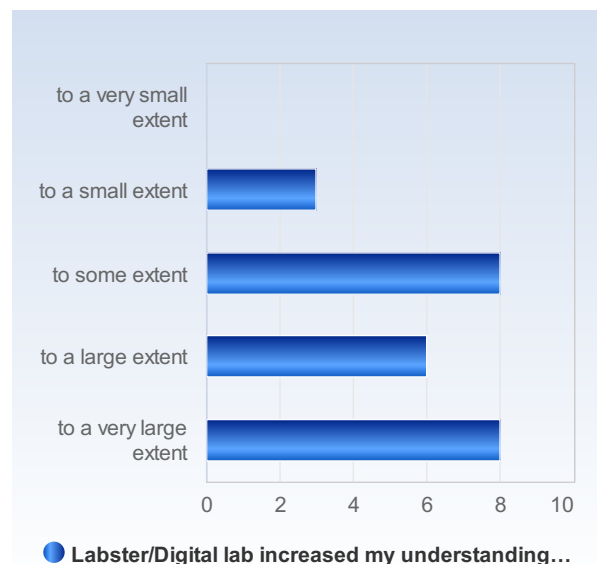
Labster/Digital lab increased my interest towards the course content.	Number of responses
to a very small extent	2 (8.0%)
to a small extent	3 (12.0%)
to some extent	8 (32.0%)
to a large extent	5 (20.0%)
to a very large extent	7 (28.0%)
Total	25 (100.0%)



	Mean	Standard Deviation	Coefficient of Variation	Min	Lower Quartile	Median	Upper Quartile	Max
Labster/Digital lab increased my interest towards the course content.	3.5	1.3	36.3 %	1.0	3.0	3.0	5.0	5.0

Labster/Digital lab increased my understanding of the course content.

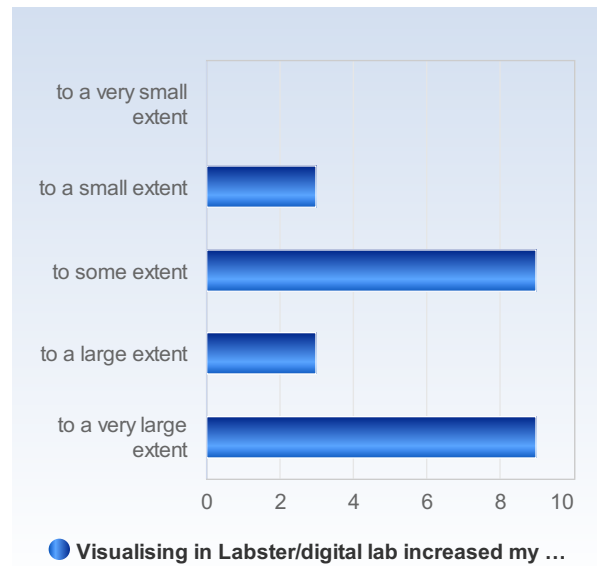
Labster/Digital lab increased my understanding of the course content.	Number of responses
to a very small extent	0 (0.0%)
to a small extent	3 (12.0%)
to some extent	8 (32.0%)
to a large extent	6 (24.0%)
to a very large extent	8 (32.0%)
Total	25 (100.0%)



	Mean	Standard Deviation	Coefficient of Variation	Min	Lower Quartile	Median	Upper Quartile	Max
Labster/Digital lab increased my understanding of the course content.	3.8	1.1	28.0 %	2.0	3.0	4.0	5.0	5.0

Visualising in Labster/digital lab increased my ability to integrate theory and practice.

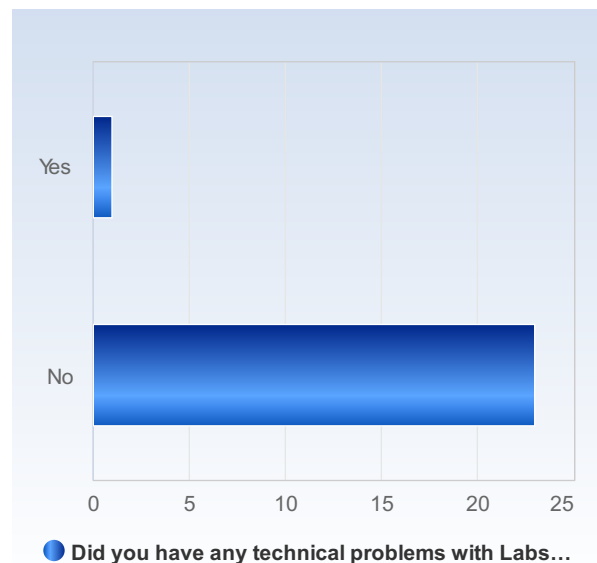
Visualising in Labster/digital lab increased my ability to integrate theory and practice.	Number of responses
to a very small extent	0 (0.0%)
to a small extent	3 (12.5%)
to some extent	9 (37.5%)
to a large extent	3 (12.5%)
to a very large extent	9 (37.5%)
Total	24 (100.0%)



	Mean	Standard Deviation	Coefficient of Variation	Min	Lower Quartile	Median	Upper Quartile	Max
Visualising in Labster/digital lab increased my ability to integrate theory and practice.	3.8	1.1	29.7 %	2.0	3.0	3.5	5.0	5.0

Did you have any technical problems with Labster/digital lab? Yes/No. If yes, describe the problems.

Did you have any technical problems with Labster/digital lab? Yes/No. If yes, describe the problems.	Number of responses
Yes	1 (4.2%)
No	23 (95.8%)
Total	24 (100.0%)



	Mean	Standard Deviation	Coefficient of Variation	Min	Lower Quartile	Median	Upper Quartile	Max
Did you have any technical problems with Labster/digital lab? Yes/No. If yes, describe the problems.	2.0	0.2	10.4 %	1.0	2.0	2.0	2.0	2.0