# NGEN14_HT22 - Physical Geography: Greenhouse Gases and Biogeochemical Cycles

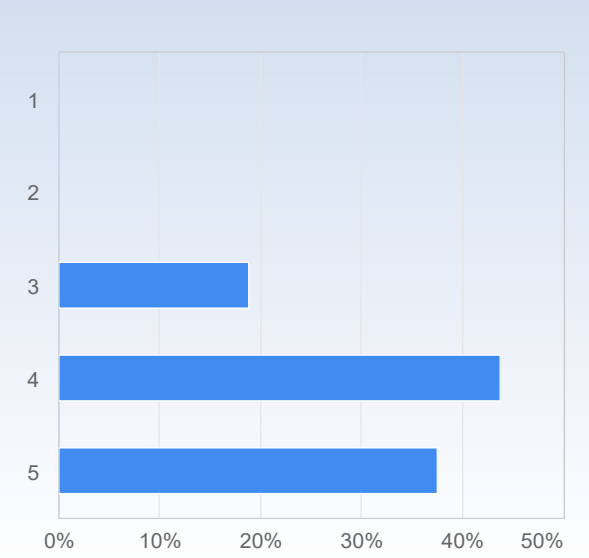
Respondents: 18
Answer Count: 16
Answer Frequency: 88.89%

## Part I: The course in general

If not indicated in another way: 1= not at all, 5=very well

## How do you grade the course as a whole? (1=very bad, 5= very good)

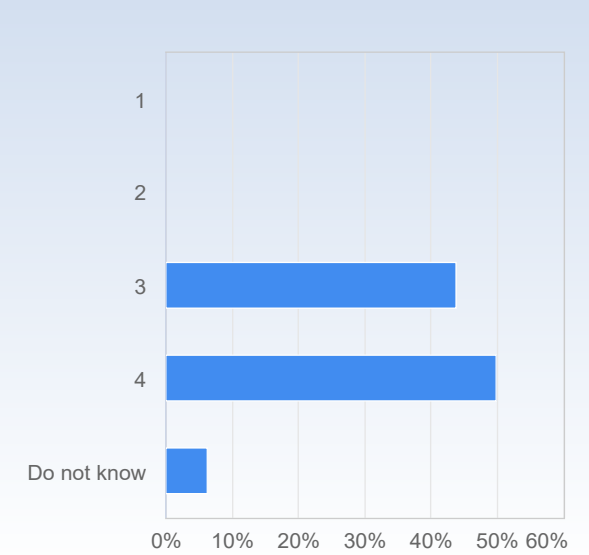
| How do you grade the course as a whole? (1=very bad, 5= very good) | Number of responses |
|---|---|
| 1 | 0 (0.0%) |
| 2 | 0 (0.0%) |
| 3 | 3 (18.8%) |
| 4 | 7 (43.8%) |
| 5 | 6 (37.5%) |
| Total | 16 (100.0%) |




| | Mean | Standard Deviation |
|---|---|---|
| How do you grade the course as a whole? (1=very bad, 5= very good) | 4.2 | 0.8 |

# Was the course as you expected (1=No, not at all,2=No, not really, 3=yes, partly, 4=Yes, completely

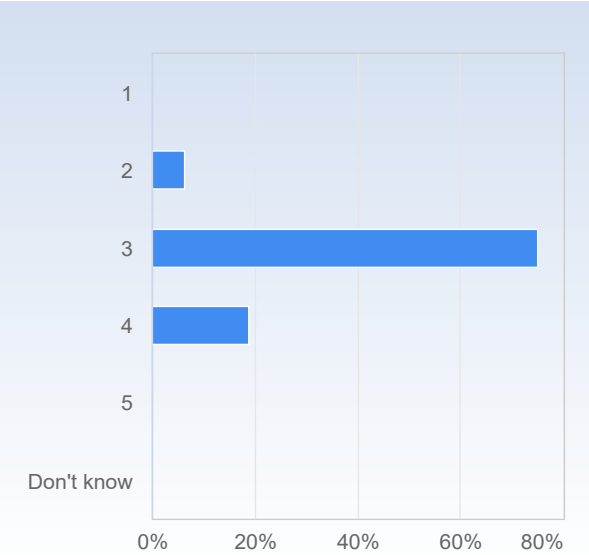
| Was the course as you expected (1=No, not at all,2=No, not really, 3=yes, partly, 4=Yes, completely | Number of responses |
|---|---|
| 1 | 0 (0.0%) |
| 2 | 0 (0.0%) |
| 3 | 7 (43.8%) |
| 4 | 8 (50.0%) |
| Do not know | 1 (6.2%) |
| Total | 16 (100.0%) |




| | Mean | Standard Deviation |
|---|---|---|
| Was the course as you expected (1=No, not at all,2=No, not really, 3=yes, partly, 4=Yes, completely | 3.6 | 0.6 |

# Do you think the level of the course was ok? (1=to easy, 5= to difficult)

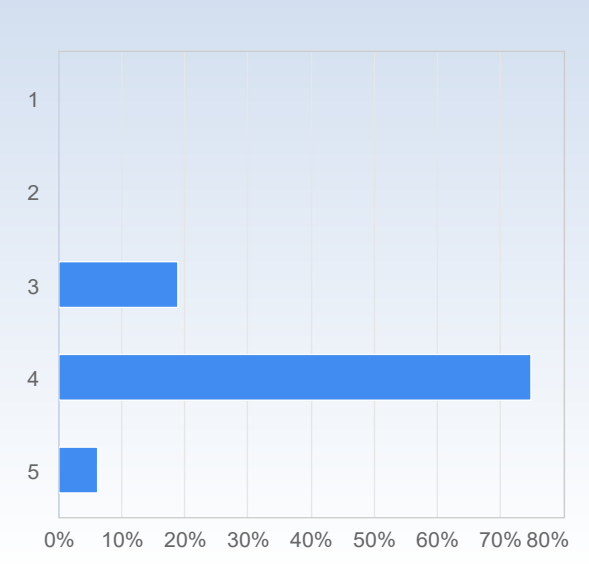
| Do you think the level of the course was ok? (1=to easy, 5= to difficult) | Number of responses |
|---|---|
| 1 | 0 (0.0%) |
| 2 | 1 (6.2%) |
| 3 | 12 (75.0%) |
| 4 | 3 (18.8%) |
| 5 | 0 (0.0%) |
| Don't know | 0 (0.0%) |
| Total | 16 (100.0%) |




| | Mean | Standard Deviation |
|---|---|---|
| Do you think the level of the course was ok? (1=to easy, 5= to difficult) | 3.1 | 0.5 |

# How was the workload of the course? (1=too low, 3= OK, 5= too much work)

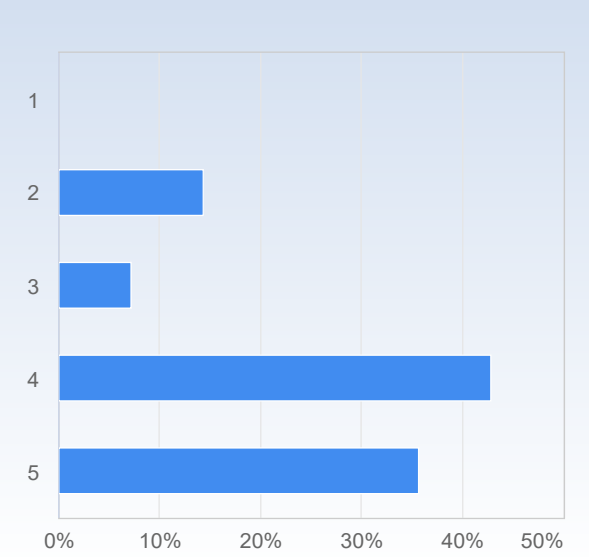
| How was the workload of the course? (1=too low, 3= OK, 5= too much work) | Number of responses |
|---|---|
| 1 | 0 (0.0%) |
| 2 | 0 (0.0%) |
| 3 | 3 (18.8%) |
| 4 | 12 (75.0%) |
| 5 | 1 (6.2%) |
| Total | 16 (100.0%) |




| | Mean | Standard Deviation |
|---|---|---|
| How was the workload of the course? (1=too low, 3= OK, 5= too much work) | 3.9 | 0.5 |

# Does the course content and work load corresponds to the course credits of 15 ECTS (1= No, not at all, 5= yes, entirely)

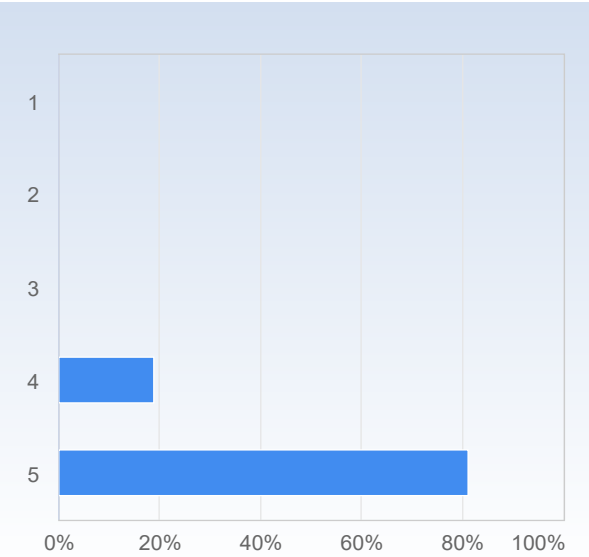
| Does the course content and work load corresponds to the course credits of 15 ECTS (1= No, not at all, 5= yes, entirely) | Number of responses |
|---|---|
| 1 | 0 (0.0%) |
| 2 | 2 (14.3%) |
| 3 | 1 (7.1%) |
| 4 | 6 (42.9%) |
| 5 | 5 (35.7%) |
| Total | 14 (100.0%) |




| | Mean | Standard Deviation |
|---|---|---|
| Does the course content and work load corresponds to the course credits of 15 ECTS (1= No, not at all, 5= yes, entirely) | 4.0 | 1.0 |

# Did the  teachers motivate and inspire you ? (1=no, not at all, 5= yes, very much)

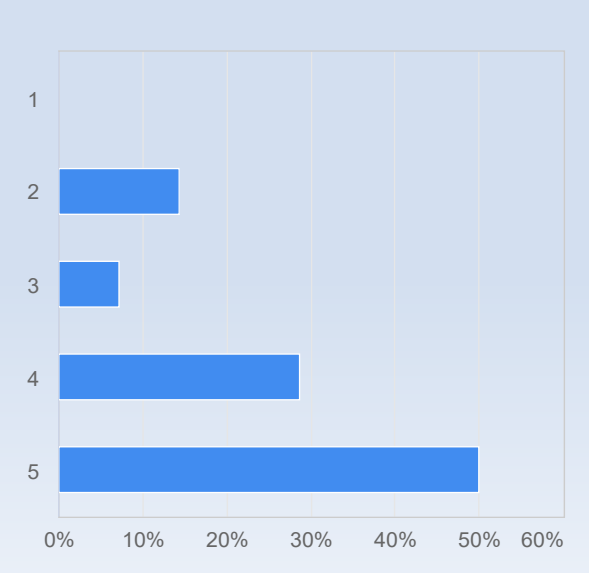
| Did the  teachers motivate and inspire you ? (1=no, not at all, 5= yes, very much) | Number of responses |
|---|---|
| 1 | 0 (0.0%) |
| 2 | 0 (0.0%) |
| 3 | 0 (0.0%) |
| 4 | 3 (18.8%) |
| 5 | 13 (81.2%) |
| Total | 16 (100.0%) |




| | Mean | Standard Deviation |
|---|---|---|
| Did the  teachers motivate and inspire you ? (1=no, not at all, 5= yes, very much) | 4.8 | 0.4 |

## Did you get enough training in communication, both oral and written? (1=No, not at all, 5= Yes, completely)

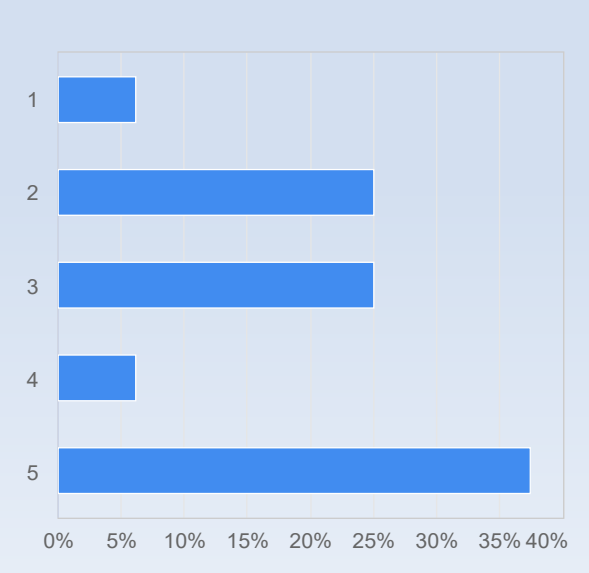
| Did you get enough training in communication, both oral and written? (1=No, not at all, 5= Yes, completely) | Number of responses |
|---|---|
| 1 | 0 (0.0%) |
| 2 | 2 (14.3%) |
| 3 | 1 (7.1%) |
| 4 | 4 (28.6%) |
| 5 | 7 (50.0%) |
| Total | 14 (100.0%) |




| | Mean | Standard Deviation |
|---|---|---|
| Did you get enough training in communication, both oral and written? (1=No, not at all, 5= Yes, completely) | 4.1 | 1.1 |

## How was the practical arrangement of the course: schedule, canvas information, lecture rooms, project work arrangements etc.

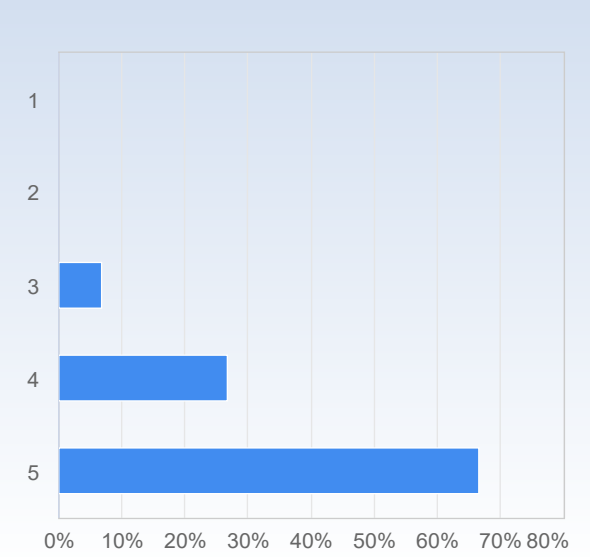
| How was the practical arrangement of the course: schedule, canvas information, lecture rooms, project work arrangements etc. | Number of responses |
|---|---|
| 1 | 1 (6.2%) |
| 2 | 4 (25.0%) |
| 3 | 4 (25.0%) |
| 4 | 1 (6.2%) |
| 5 | 6 (37.5%) |
| Total | 16 (100.0%) |




| | Mean | Standard Deviation |
|---|---|---|
| How was the practical arrangement of the course: schedule, canvas information, lecture rooms, project work arrangements etc. | 3.4 | 1.4 |

# The examination was a fair test of course theory (1=No, not at all, 3= relative OK, 5= Yes)

| The examination was a fair test of course theory (1=No, not at all, 3= relative OK, 5= Yes) | Number of responses |
|---|---|
| 1 | 0 (0.0%) |
| 2 | 0 (0.0%) |
| 3 | 1 (6.7%) |
| 4 | 4 (26.7%) |
| 5 | 10 (66.7%) |
| Total | 15 (100.0%) |



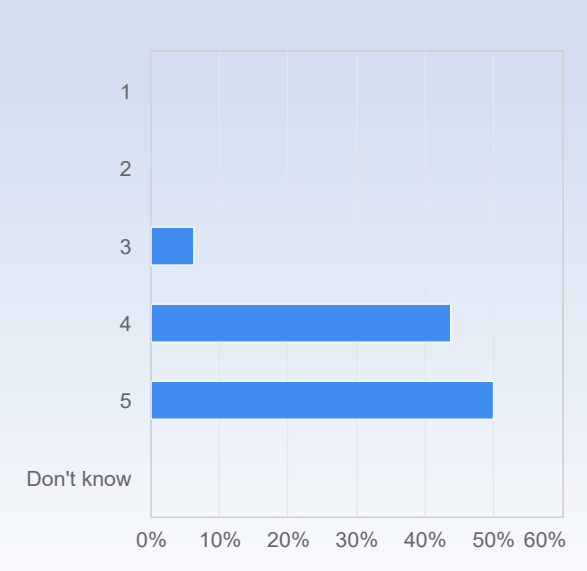

| | Mean | Standard Deviation |
|---|---|---|
| The examination was a fair test of course theory (1=No, not at all, 3= relative OK, 5= Yes) | 4.6 | 0.6 |

# Part II: question on course specific elements

If not indicated in another way: 1= no good at all, 5=very good

# Lecture: The C-cycle, "general concepts" and "Measurements Methods", Harry L

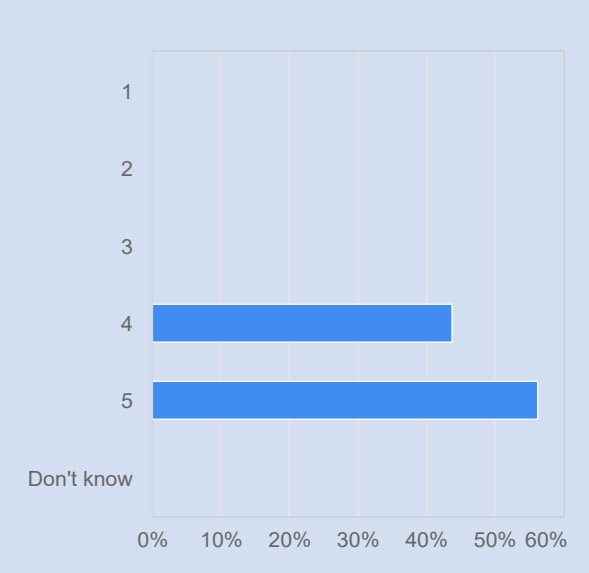
| Lecture: The C-cycle, "general concepts" and "Measurements Methods", Harry L | Number of responses |
|---|---|
| 1 | 0 (0.0%) |
| 2 | 0 (0.0%) |
| 3 | 1 (6.2%) |
| 4 | 7 (43.8%) |
| 5 | 8 (50.0%) |
| Don't know | 0 (0.0%) |
| Total | 16 (100.0%) |




| | Mean | Standard Deviation |
|---|---|---|
| Lecture: The C-cycle, "general concepts" and "Measurements Methods", Harry L | 4.4 | 0.6 |

# Lectures: Biogeochemical processes I+II, Lena S

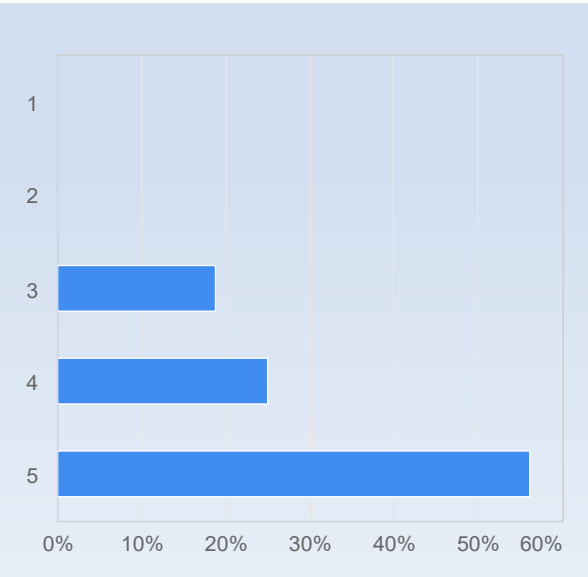
| Lectures: Biogeochemical processes I+II, Lena S | Number of responses |
|---|---|
| 1 | 0 (0.0%) |
| 2 | 0 (0.0%) |
| 3 | 0 (0.0%) |
| 4 | 7 (43.8%) |
| 5 | 9 (56.2%) |
| Don't know | 0 (0.0%) |
| Total | 16 (100.0%) |




| | Mean | Standard Deviation |
|---|---|---|
| Lectures: Biogeochemical processes I+II, Lena S | 4.6 | 0.5 |

# Lecture and exercise: "Energy & radiation balance", Thomas H

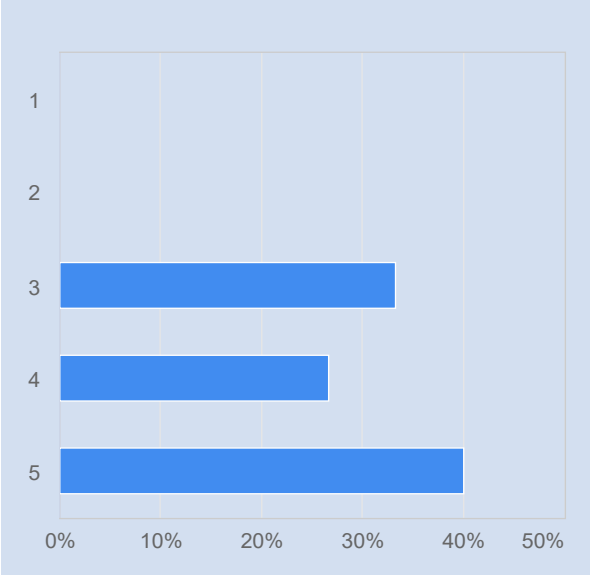
| Lecture and exercise: "Energy & radiation balance", Thomas H | Number of responses |
|---|---|
| 1 | 0 (0.0%) |
| 2 | 0 (0.0%) |
| 3 | 3 (18.8%) |
| 4 | 4 (25.0%) |
| 5 | 9 (56.2%) |
| Total | 16 (100.0%) |




| | Mean | Standard Deviation |
|---|---|---|
| Lecture and exercise: "Energy & radiation balance", Thomas H | 4.4 | 0.8 |

# Lectures: "Measurement techniques and introduction to instruments", Thomas H

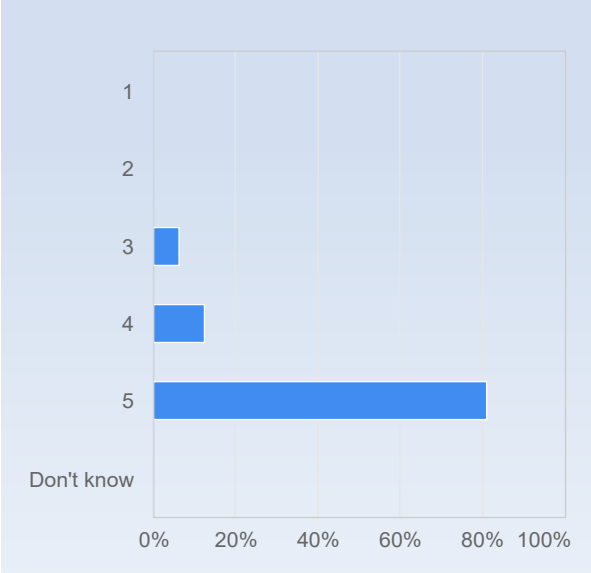
| Lectures: "Measurement techniques and introduction to instruments", Thomas H | Number of responses |
|---|---|
| 1 | 0 (0.0%) |
| 2 | 0 (0.0%) |
| 3 | 5 (33.3%) |
| 4 | 4 (26.7%) |
| 5 | 6 (40.0%) |
| Total | 15 (100.0%) |




| | Mean | Standard Deviation |
|---|---|---|
| Lectures: "Measurement techniques and introduction to instruments", Thomas H | 4.1 | 0.9 |

# Lectures 'Aquatic carbon dynamics', Martin B.

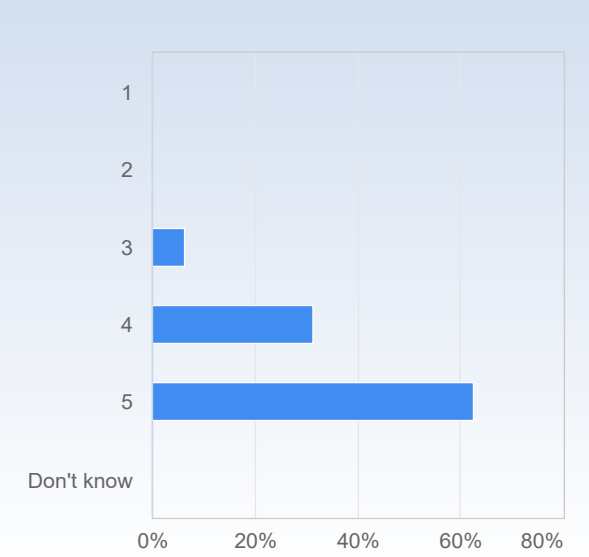
| Lectures 'Aquatic carbon dynamics', Martin B. | Number of responses |
|---|---|
| 1 | 0 (0.0%) |
| 2 | 0 (0.0%) |
| 3 | 1 (6.2%) |
| 4 | 2 (12.5%) |
| 5 | 13 (81.2%) |
| Don't know | 0 (0.0%) |
| Total | 16 (100.0%) |




| | Mean | Standard Deviation |
|---|---|---|
| Lectures 'Aquatic carbon dynamics', Martin B. | 4.8 | 0.6 |

# Exercise on 'Aquatic carbon dynamics' and discussions, Martin B

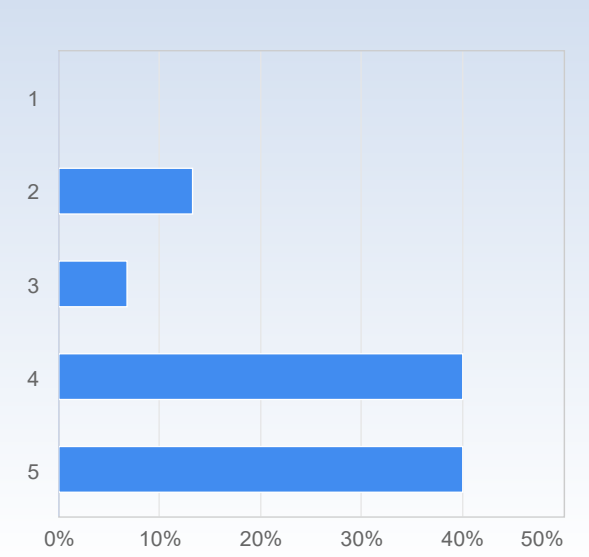
| Exercise on 'Aquatic carbon dynamics' and discussions, Martin B | Number of responses |
|---|---|
| 1 | 0 (0.0%) |
| 2 | 0 (0.0%) |
| 3 | 1 (6.2%) |
| 4 | 5 (31.2%) |
| 5 | 10 (62.5%) |
| Don't know | 0 (0.0%) |
| Total | 16 (100.0%) |




| | Mean | Standard Deviation |
|---|---|---|
| Exercise on 'Aquatic carbon dynamics' and discussions, Martin B | 4.6 | 0.6 |

# Lecture: "Water & Energy in soil/plant SPAC", Harry L

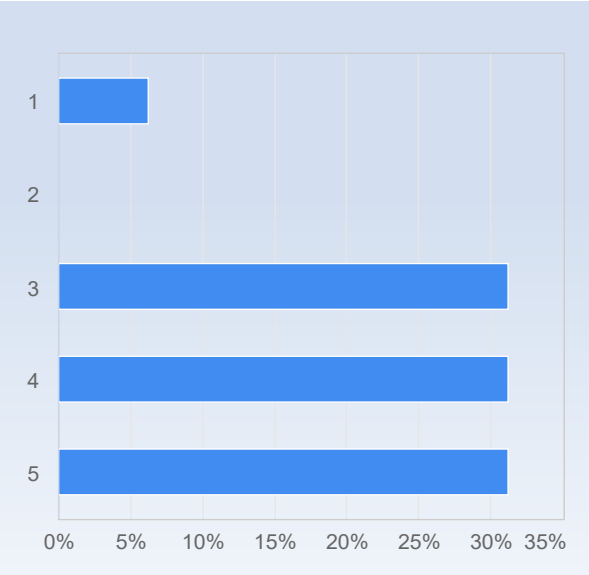
| Lecture: "Water & Energy in soil/plant SPAC", Harry L | Number of responses |
|---|---|
| 1 | 0 (0.0%) |
| 2 | 2 (13.3%) |
| 3 | 1 (6.7%) |
| 4 | 6 (40.0%) |
| 5 | 6 (40.0%) |
| Total | 15 (100.0%) |




| | Mean | Standard Deviation |
|---|---|---|
| Lecture: "Water & Energy in soil/plant SPAC", Harry L | 4.1 | 1.0 |

# Exercise on Soil diffusion, including the extra video lectures and Jupyter Notebook, Harry L

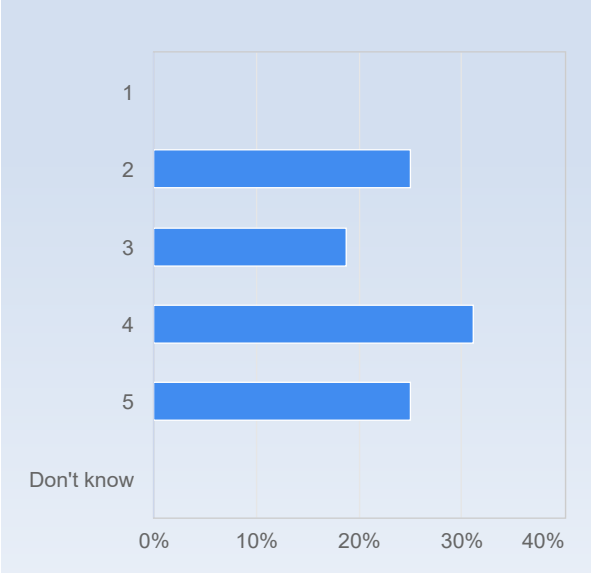
| Exercise on Soil diffusion, including the extra video lectures and Jupyter Notebook, Harry L | Number of responses |
|---|---|
| 1 | 1 (6.2%) |
| 2 | 0 (0.0%) |
| 3 | 5 (31.2%) |
| 4 | 5 (31.2%) |
| 5 | 5 (31.2%) |
| Total | 16 (100.0%) |




| | Mean | Standard Deviation |
|---|---|---|
| Exercise on Soil diffusion, including the extra video lectures and Jupyter Notebook, Harry L | 3.8 | 1.1 |

# Learning diary exercise; evaluation of the learning experience, Harry L

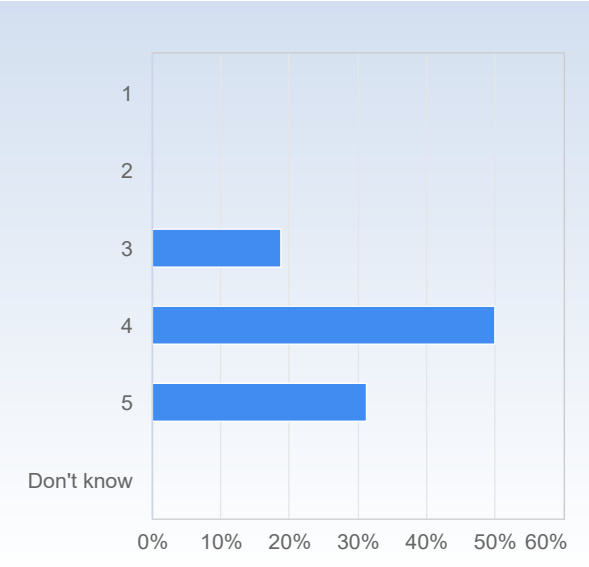
| Learning diary exercise; evaluation of the learning experience, Harry L | Number of responses |
|---|---|
| 1 | 0 (0.0%) |
| 2 | 4 (25.0%) |
| 3 | 3 (18.8%) |
| 4 | 5 (31.2%) |
| 5 | 4 (25.0%) |
| Don't know | 0 (0.0%) |
| Total | 16 (100.0%) |




| | Mean | Standard Deviation |
|---|---|---|
| Learning diary exercise; evaluation of the learning experience, Harry L | 3.6 | 1.2 |

# Reading exercise "Methane exchange"

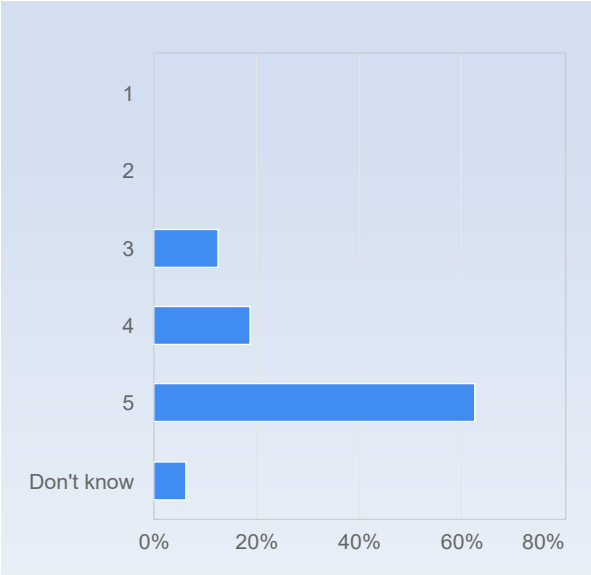
| Reading exercise "Methane exchange" | Number of responses |
|---|---|
| 1 | 0 (0.0%) |
| 2 | 0 (0.0%) |
| 3 | 3 (18.8%) |
| 4 | 8 (50.0%) |
| 5 | 5 (31.2%) |
| Don't know | 0 (0.0%) |
| Total | 16 (100.0%) |




| | Mean | Standard Deviation |
|---|---|---|
| Reading exercise "Methane exchange" | 4.1 | 0.7 |

# How was the practical arrangement of the field campaign in Abisko: setup 10 days, travel, accommodation, information etc? (1=very bad, 5= very good)

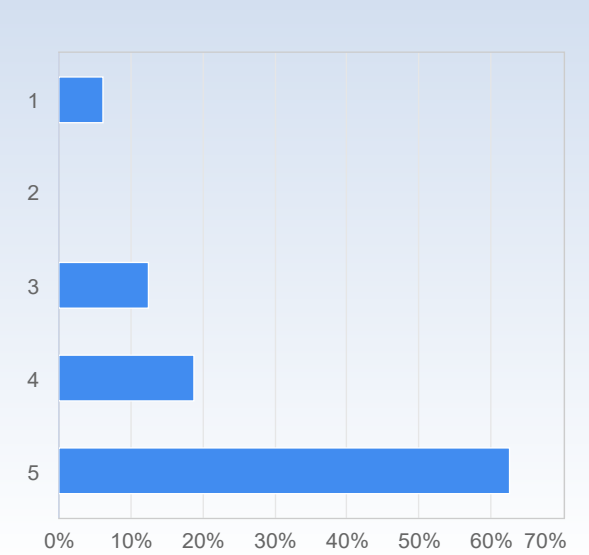
| How was the practical arrangement of the field campaign in Abisko: setup 10 days, travel, accommodation, information etc? (1=very bad, 5= very good) | Number of responses |
|---|---|
| 1 | 0 (0.0%) |
| 2 | 0 (0.0%) |
| 3 | 2 (12.5%) |
| 4 | 3 (18.8%) |
| 5 | 10 (62.5%) |
| Don't know | 1 (6.2%) |
| Total | 16 (100.0%) |




| | Mean | Standard Deviation |
|---|---|---|
| How was the practical arrangement of the field campaign in Abisko: setup 10 days, travel, accommodation, information etc? (1=very bad, 5= very good) | 4.6 | 0.8 |

# Fieldwork and group project in Abisko (1=unclear, 5= very good)

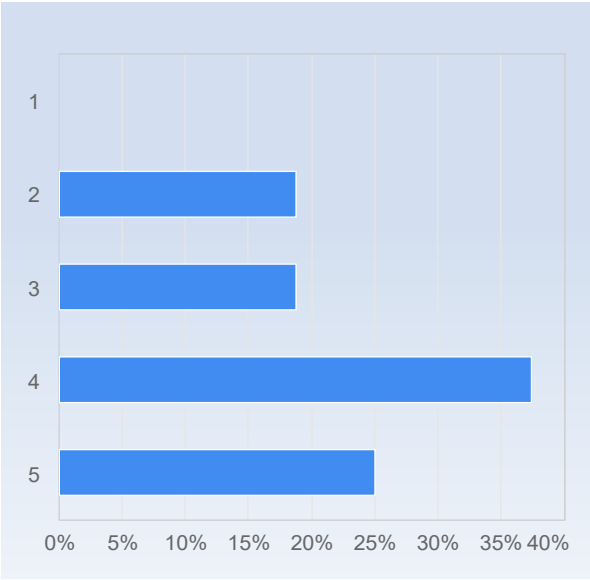
| Fieldwork and group project in Abisko (1=unclear, 5= very good) | Number of responses |
|---|---|
| 1 | 1 (6.2%) |
| 2 | 0 (0.0%) |
| 3 | 2 (12.5%) |
| 4 | 3 (18.8%) |
| 5 | 10 (62.5%) |
| Total | 16 (100.0%) |




| | Mean | Standard Deviation |
|---|---|---|
| Fieldwork and group project in Abisko (1=unclear, 5= very good) | 4.3 | 1.1 |

# The measurements in Lönnstorp and data use from ICOS HTM, Abisko and Sorö:1=far too many and unclear, 3= OK, 5= very good. Please comment the use of different sites.

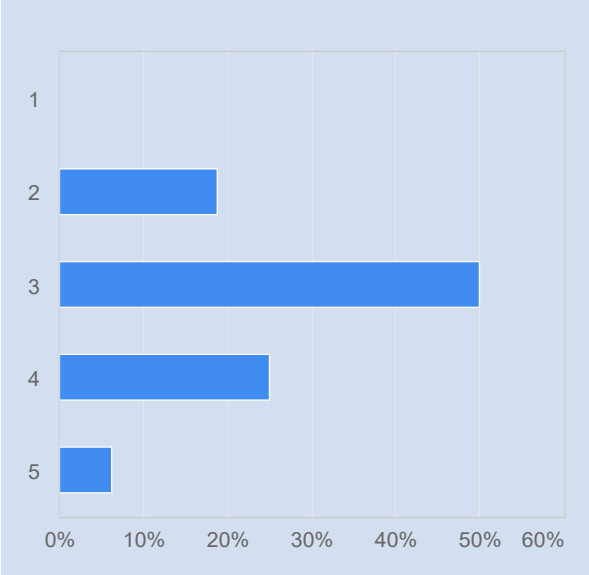
| The measurements in Lönnstorp and data use from ICOS HTM, Abisko and Sorö:1=far too many and unclear, 3= OK, 5= very good. Please comment the use of different sites. | Number of responses |
|---|---|
| 1 | 0 (0.0%) |
| 2 | 3 (18.8%) |
| 3 | 3 (18.8%) |
| 4 | 6 (37.5%) |
| 5 | 4 (25.0%) |
| Total | 16 (100.0%) |




| | Mean | Standard Deviation |
|---|---|---|
| The measurements in Lönnstorp and data use from ICOS HTM, Abisko and Sorö:1=far too many and unclear, 3= OK, 5= very good. Please comment the use of different sites. | 3.7 | 1.1 |

## Field data analysis and report: was there enough time for this? (1=too little time, 3= OK 5= too much time)

| Field data analysis and report: was there enough time for this? (1=too little time, 3= OK 5= too much time) | Number of responses |
|---|---|
| 1 | 0 (0.0%) |
| 2 | 3 (18.8%) |
| 3 | 8 (50.0%) |
| 4 | 4 (25.0%) |
| 5 | 1 (6.2%) |
| Total | 16 (100.0%) |

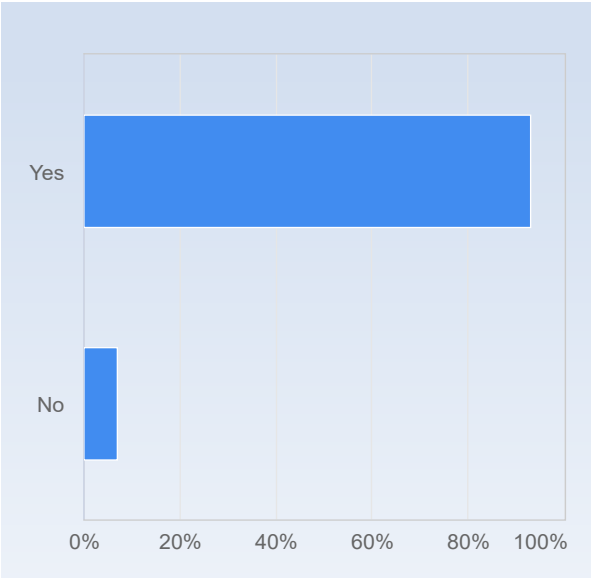



| | Mean | Standard Deviation |
|---|---|---|
| Field data analysis and report: was there enough time for this? (1=too little time, 3= OK 5= too much time) | 3.2 | 0.8 |

## Part III: some final questions

## Is the course complete? What is missing?

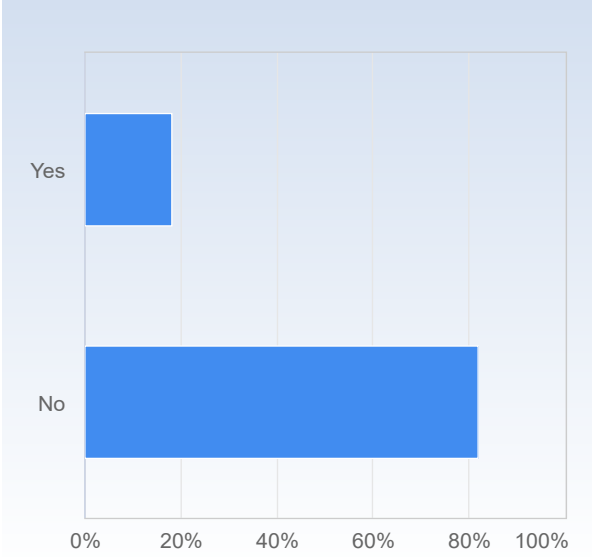
| Is the course complete? What is missing? | Number of responses |
|---|---|
| Yes | 13 (92.9%) |
| No | 1 (7.1%) |
| Total | 14 (100.0%) |




| | Mean | Standard Deviation |
|---|---|---|
| Is the course complete? What is missing? | 1.1 | 0.3 |

# Was the course too much? What should be left out or being replaced?

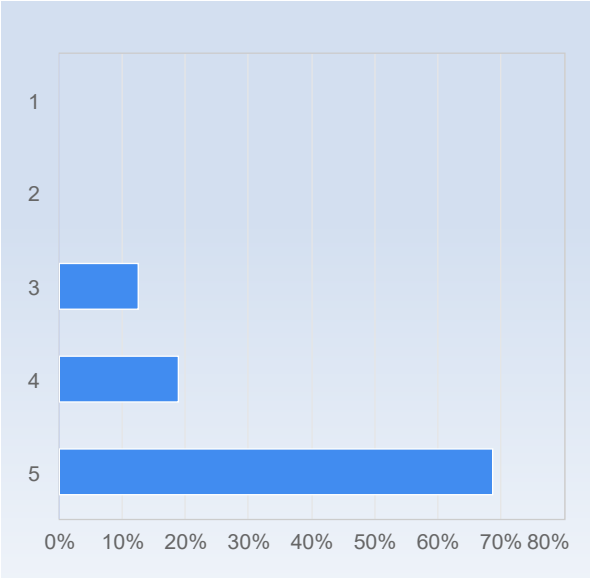
| Was the course too much? What should be left out or being replaced? | Number of responses |
|---|---|
| Yes | 2 (18.2%) |
| No | 9 (81.8%) |
| Total | 11 (100.0%) |




| | Mean | Standard Deviation |
|---|---|---|
| Was the course too much? What should be left out or being replaced? | 1.8 | 0.4 |

# Would you recommend it to other students? (1=no, never!, 5= definitely yes!)

| Would you recommend it to other students? (1=no, never!, 5= definitely yes!) | Number of responses |
|---|---|
| 1 | 0 (0.0%) |
| 2 | 0 (0.0%) |
| 3 | 2 (12.5%) |
| 4 | 3 (18.8%) |
| 5 | 11 (68.8%) |
| Total | 16 (100.0%) |




| | Mean | Standard Deviation |
|---|---|---|
| Would you recommend it to other students? (1=no, never!, 5= definitely yes!) | 4.6 | 0.7 |