

## **MI7019 Course evaluation for Contaminant Analysis 2020**

Course report

### **Course coordinator**

Jonathan Benskin

### **Number of examinees**

6

### **Number of passed**

6

### **Description of eventual changes since the last course instance**

Not applicable; this was the first time the course was offered.

### **Strengths of the course according to the students**

(summary based on quantitative results and free text response)

86% of students responded to the course survey. All respondents indicated that they were either satisfied (4) or completely satisfied (5) with the course. Nearly all students responded positively (i.e. scores of 4/5 or 5/5) to questions regarding course aims, relevance of course content, examination, expectations, utility of the course material, and teaching. The free form responses indicated that the content and structure of the course was good, and that the teachers were competent, helpful and had good energy. The combination of labs, seminars, and lectures was viewed favorably amongst the students.

### **Weaknesses of the course according to the students**

(summary based on quantitative results and free text response)

The most consistent weakness seemed to be related to workload. One student indicated that the workload built up towards the end of the course, while two students suggested that the work load should be reduced and/or spread out. Strangely, this sentiment was only partly reflected in the quantitative response, in which 2/5 students indicated that they spent 45-55 hours per week on the course while 3 students indicated that they spent only 5-15 hours. However, given that one student added the comment “not including lectures”, it seems that some respondents may have misinterpreted this question as time spent studying beyond scheduled study time (lectures, labs, seminars, etc.). Overall, the combination of freeform and quantitative responses suggests that the workload was fairly high and could be reduced and/or spread out in the future.

### **Teachers analysis of course implementation**

Given that this was the first year offering this course and also that it was run during a pandemic, the instructors were very satisfied with the implementation of the course.

## **Conclusions and proposals for changes**

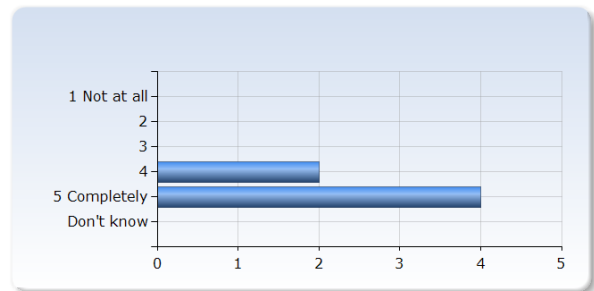
Based on the student feedback, it doesn't seem like major changes are needed for next year. One way to reduce the workload is to move one of the virtual labs to an in-class assignment so the students can focus on the reports for the wet labs (which clearly took the most time). It was interesting that despite a number of comments indicating high workload, there were also several requests to increase the difficulty/depth of topics and the number of labs (likely from the few PhD students that already had experience in environmental analytical chemistry). However, because this course is aimed at Master's students, it would be preferable to instead develop a stand-alone PhD course which builds off of Contaminant Analysis with more challenging and in-depth topics (e.g. Non-Target analysis).

## MI7019 Course evaluation for Contaminant Analysis 2020

Respondents: 7  
Answer Count: 6  
Answer Frequency: 85.71%

### 5. Overall impression

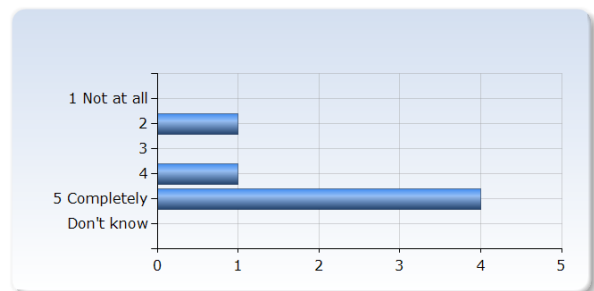
Overall I am satisfied with this course	Number of Responses
1 Not at all	0 (0.0%)
2	0 (0.0%)
3	0 (0.0%)
4	2 (33.3%)
5 Completely	4 (66.7%)
Don't know	0 (0.0%)
Total	6 (100.0%)



### 6. Student contribution

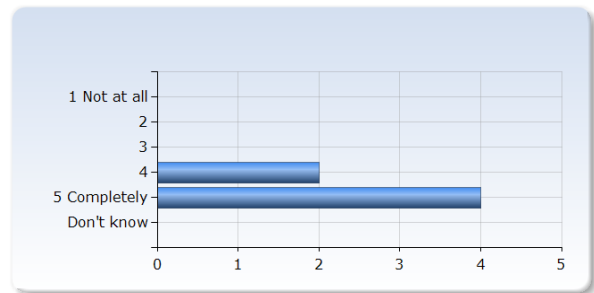
#### I am satisfied with my own effort in the course

I am satisfied with my own effort in the course	Number of Responses
1 Not at all	0 (0.0%)
2	1 (16.7%)
3	0 (0.0%)
4	1 (16.7%)
5 Completely	4 (66.7%)
Don't know	0 (0.0%)
Total	6 (100.0%)



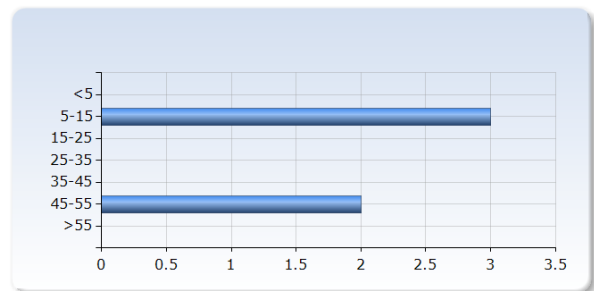
## I took responsibility for my own learning in the course

I took responsibility for my own learning in the course	Number of Responses
1 Not at all	0 (0.0%)
2	0 (0.0%)
3	0 (0.0%)
4	2 (33.3%)
5 Completely	4 (66.7%)
Don't know	0 (0.0%)
Total	6 (100.0%)



## 7. Work load

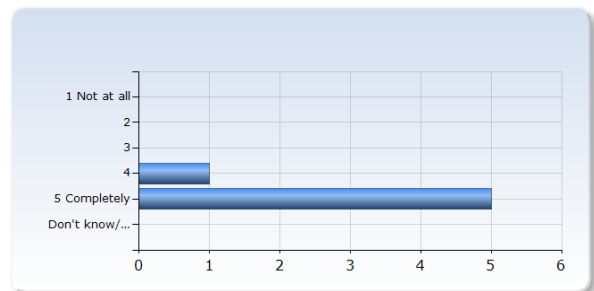
Indicate how many hours per week on average you have spent on the course, including self-studies and scheduled study time	Number of Responses
<5	0 (0.0%)
5-15	3 (60.0%)
15-25	0 (0.0%)
25-35	0 (0.0%)
35-45	0 (0.0%)
45-55	2 (40.0%)
>55	0 (0.0%)
Total	5 (100.0%)



## 8. Clear aims

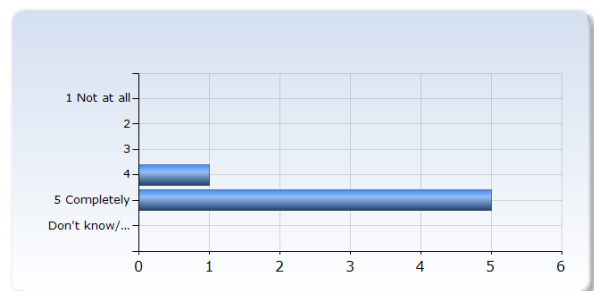
### It was clear to me what I was expected to learn

It was clear to me what I was expected to learn	Number of Responses
1 Not at all	0 (0.0%)
2	0 (0.0%)
3	0 (0.0%)
4	1 (16.7%)
5 Completely	5 (83.3%)
Don't know/ Not relevant	0 (0.0%)
Total	6 (100.0%)



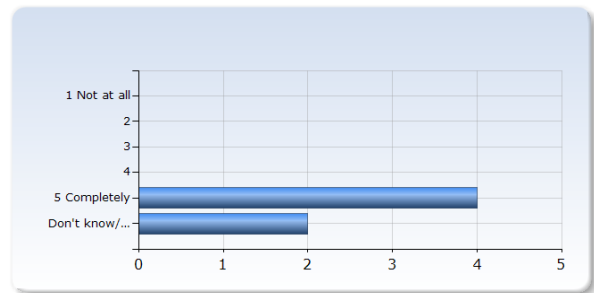
### I felt that the course content and teaching methods were relevant to the learning outcomes

I felt that the course content and teaching methods were relevant to the learning outcomes	Number of Responses
1 Not at all	0 (0.0%)
2	0 (0.0%)
3	0 (0.0%)
4	1 (16.7%)
5 Completely	5 (83.3%)
Don't know/ Not relevant	0 (0.0%)
Total	6 (100.0%)



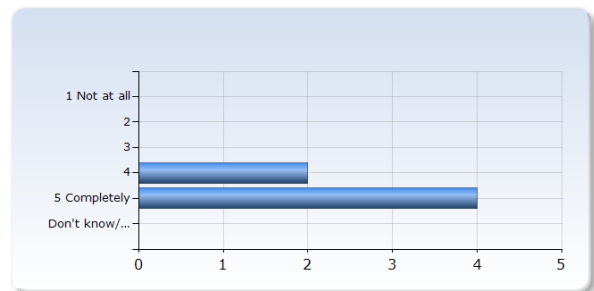
## The examination tested how well I had achieved the learning outcomes

The examination tested how well I had achieved the learning outcomes	Number of Responses
1 Not at all	0 (0.0%)
2	0 (0.0%)
3	0 (0.0%)
4	0 (0.0%)
5 Completely	4 (66.7%)
Don't know/ Not relevant	2 (33.3%)
Total	6 (100.0%)



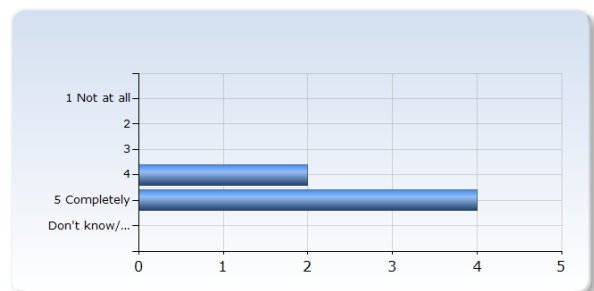
## The course corresponded to my expectations

The course corresponded to my expectations	Number of Responses
1 Not at all	0 (0.0%)
2	0 (0.0%)
3	0 (0.0%)
4	2 (33.3%)
5 Completely	4 (66.7%)
Don't know/ Not relevant	0 (0.0%)
Total	6 (100.0%)



## I feel that I will have use of what I have learnt after my studies

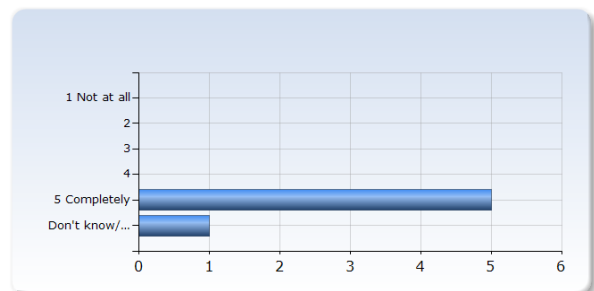
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1 Not at all	0 (0.0%)
2	0 (0.0%)
3	0 (0.0%)
4	2 (33.3%)
5 Completely	4 (66.7%)
Don't know/ Not relevant	0 (0.0%)
Total	6 (100.0%)



## 9. Good teaching

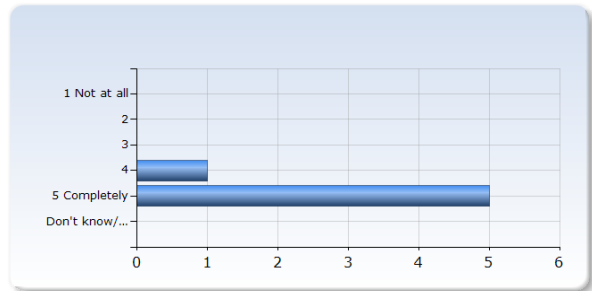
### The course prerequisites were sufficient to follow the course

The course prerequisites were sufficient to follow the course	Number of Responses
1 Not at all	0 (0.0%)
2	0 (0.0%)
3	0 (0.0%)
4	0 (0.0%)
5 Completely	5 (83.3%)
Don't know/ Not relevant	1 (16.7%)
Total	6 (100.0%)



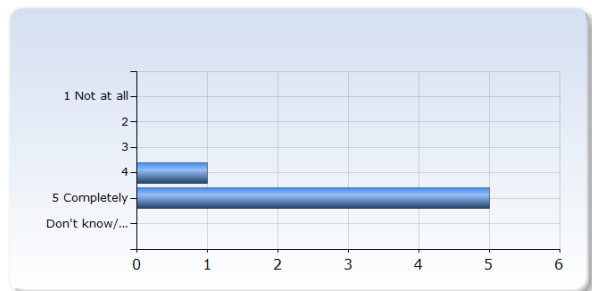
## I felt that the course was well structured

I felt that the course was well structured	Number of Responses
1 Not at all	0 (0.0%)
2	0 (0.0%)
3	0 (0.0%)
4	1 (16.7%)
5 Completely	5 (83.3%)
Don't know/ Not relevant	0 (0.0%)
Total	6 (100.0%)



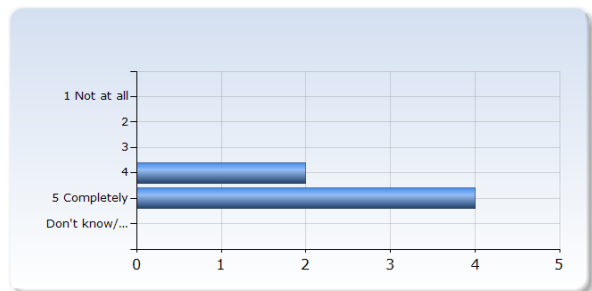
## I felt that the teachers have helped me to reach the learning outcomes

I felt that the teachers have helped me to reach the learning outcomes	Number of Responses
1 Not at all	0 (0.0%)
2	0 (0.0%)
3	0 (0.0%)
4	1 (16.7%)
5 Completely	5 (83.3%)
Don't know/ Not relevant	0 (0.0%)
Total	6 (100.0%)



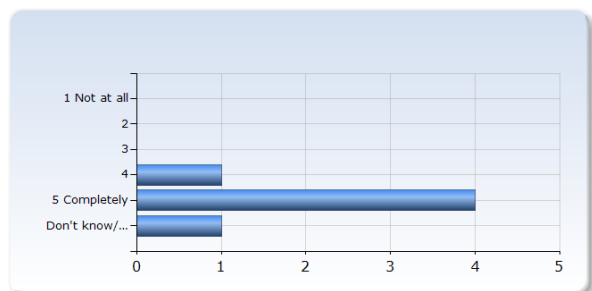
## I could understand what was being taught

I could understand what was being taught	Number of Responses
1 Not at all	0 (0.0%)
2	0 (0.0%)
3	0 (0.0%)
4	2 (33.3%)
5 Completely	4 (66.7%)
Don't know/ Not relevant	0 (0.0%)
Total	6 (100.0%)



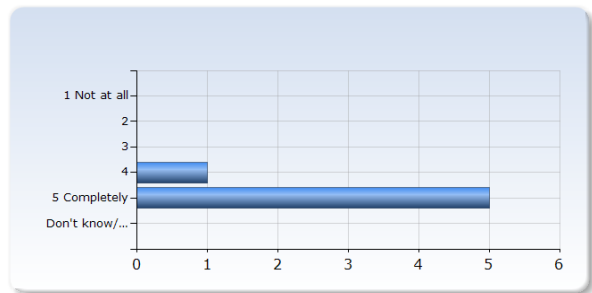
## I have received constructive feedback on my performance

I have received constructive feedback on my performance	Number of Responses
1 Not at all	0 (0.0%)
2	0 (0.0%)
3	0 (0.0%)
4	1 (16.7%)
5 Completely	4 (66.7%)
Don't know/ Not relevant	1 (16.7%)
Total	6 (100.0%)



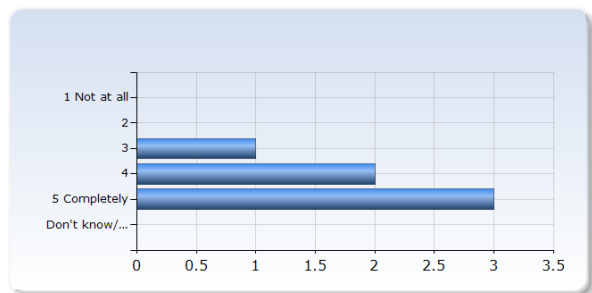
## I was encouraged to reflect on my learning during the course

I was encouraged to reflect on my learning during the course	Number of Responses
1 Not at all	0 (0.0%)
2	0 (0.0%)
3	0 (0.0%)
4	1 (16.7%)
5 Completely	5 (83.3%)
Don't know/ Not relevant	0 (0.0%)
Total	6 (100.0%)



## The course material helped me in my work to achieve the learning outcomes (literature, e-resources etc.)

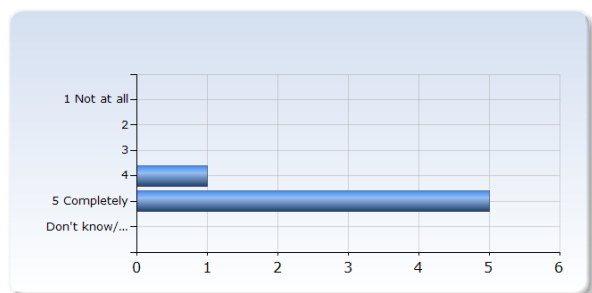
The course material helped me in my work to achieve the learning outcomes (literature, e-resources etc.)	Number of Responses
1 Not at all	0 (0.0%)
2	0 (0.0%)
3	1 (16.7%)
4	2 (33.3%)
5 Completely	3 (50.0%)
Don't know/ Not relevant	0 (0.0%)
Total	6 (100.0%)



## 10. Administration and study environment

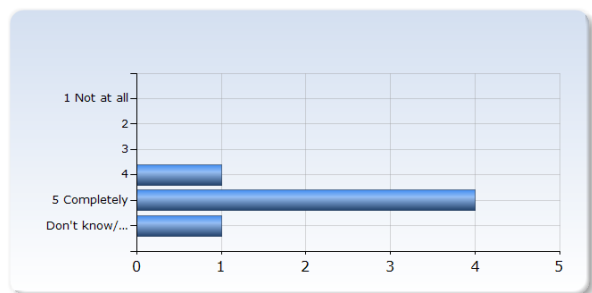
### I felt that the course was well organized

I felt that the course was well organized	Number of Responses
1 Not at all	0 (0.0%)
2	0 (0.0%)
3	0 (0.0%)
4	1 (16.7%)
5 Completely	5 (83.3%)
Don't know/ Not relevant	0 (0.0%)
Total	6 (100.0%)



### I have been able to find the information I felt I needed before and during the course

I have been able to find the information I felt I needed before and during the course	Number of Responses
1 Not at all	0 (0.0%)
2	0 (0.0%)
3	0 (0.0%)
4	1 (16.7%)
5 Completely	4 (66.7%)
Don't know/ Not relevant	1 (16.7%)
Total	6 (100.0%)



## I was able to get support when I needed it

I was able to get support when I needed it	Number of Responses
1 Not at all	0 (0.0%)
2	0 (0.0%)
3	0 (0.0%)
4	0 (0.0%)
5 Completely	5 (83.3%)
Don't know/ Not relevant	1 (16.7%)
Total	6 (100.0%)

