



UMEÅ UNIVERSITET

Final report: 5KE165HT20 Foundations of Chemistry

Unit code: 5KE165

Name of course: Kemins Grunder/Foundations of Chemistry

Credits: 15 hp

Pace: 100%

Semester: Fall 20 (Dates: 02/11/20 -- 17/1/21)

Unit coordinator: Andy Ohlin

Delivery (campus/online-remote): 'campus' (due to COVID-19 all but the first two weeks were delivered online)

Indicate if the unit is part of a program:

Part of BS in Life Sciences (Fall)/ BS Biotechnology (Spring).

Number of registered students	48 registered* (31 Life Sciences, 5 Biotech, 9 other) <38 students attended lectures 28 students completed the labs	
Number of responses on unit evaluation	34 (27 Life Sciences, 2 Biotech, 1 Teacher, 4 other)	
Grade	#	%
Fail (U)	9	34
Pass (G)	10	38
High Pass (VG)	6	23
Grade 3	-	-
Grade 4	1	4
Grade 5	-	-
Completes	26	54
Incompletes	22* (48-26)	46*
* Many were re-registered students from previous cohorts		Data was retrieved from LADOK on 4/3/2021



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Course evaluation

<<See appendix>>

Comment by unit coordinator:

In addition, the students were asked to rate the different sections of the course. All sections achieved at least a passing grade (3), and most were rated 3.5-4.4 (out of five).

However, it is clear that the following **external factors** also impacted the ratings:

* After two weeks of teaching the university shut down due to COVID-19 without warning. All planned on-campus instruction thus had to be moved online at no notice.

* The first three sections were delivered as lectures on campus, which most students preferred

* There were teething problems with technology for some of the lecturers owing to the sudden change from on-campus to online teaching, which led to dissatisfaction with the lectures, regardless of the actual pedagogical performance.

Summary of comments by the students:**Q: 'What aspects of the course are you MOST satisfied with?'**

26 comments

Clear structure with clear goals, good resources, good teachers with good attitudes, the content was good/useful/interesting, that lectures were recorded

Q: 'What aspects of the course are you LEAST satisfied with?'

30 comments

The labs being given as virtual online-labs, some lab reports were too demanding, some of the lectures (technical issues), that lectures were moved online, Zoom in general, too much/too little time, different messages from lab assistants vs lecturers about certain labs

In general respondents understood that moving online was unfortunate but necessary.

Q: 'Anything else you'd like to add?'

20 comments

General unhappiness with different aspects associated with the course being given online and technical issues associated with this. One student also emphasised that there was often no space for students to participate actively in online lectures.

Summary of changes introduced after the last time the course was delivered

Virtual labs (planned) and online lectures via zoom (unplanned)



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Summary of suggested changes prior to the next time the course is delivered

Focus on improving the social environment for the students, focus on introducing student-active activities, improve the virtual labs in general (streamline)

Final report created 4/3/2021, by Andy Ohlin



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Appendix.
Course evaluation 5KE165HT20

Comments by students have been removed. Data that identifies individual teachers has been removed.

Course evaluation 5KE165 HT20

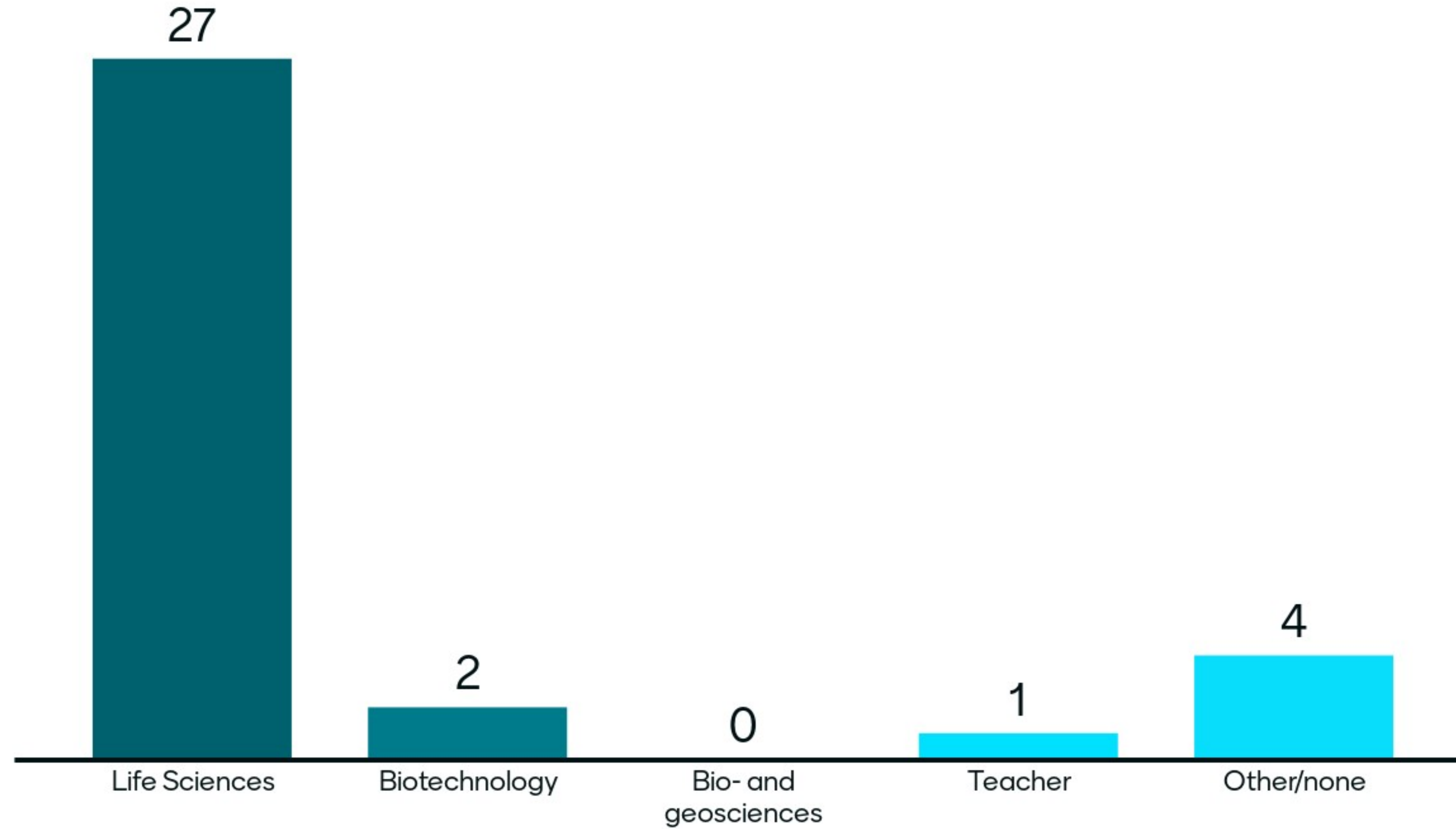
Teaching in a pandemic poses special challenges.
Make sure to answer all the questions to the best of your ability so that we can improve the course, and also so that we take the right lessons with us from 2020 in terms of how to do hybrid teaching.

There are 12 pages, including this one. Most questions use a slider or are multiple choice. The last three slides have opportunities for you to enter text

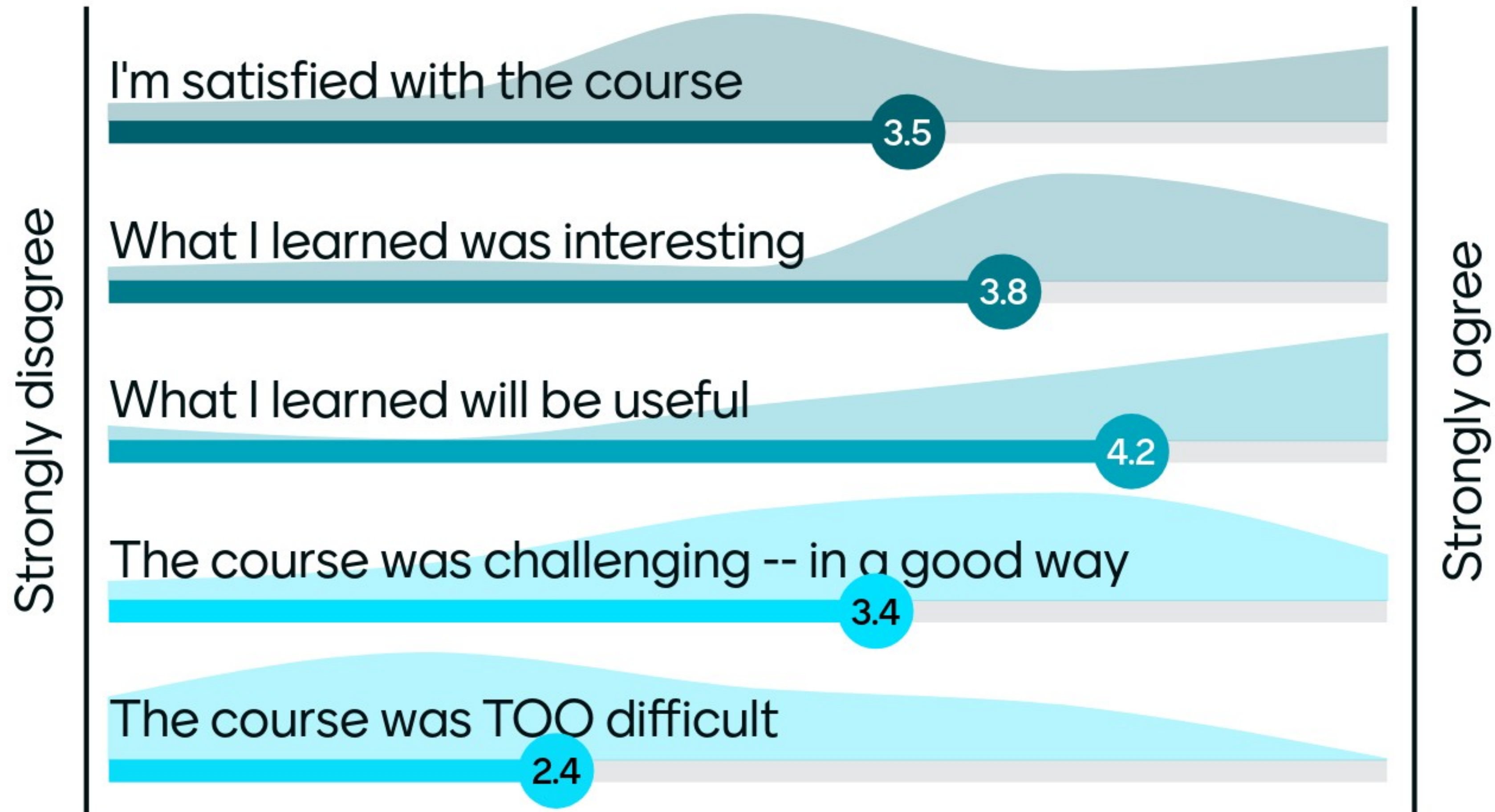
Thank you!
Andy



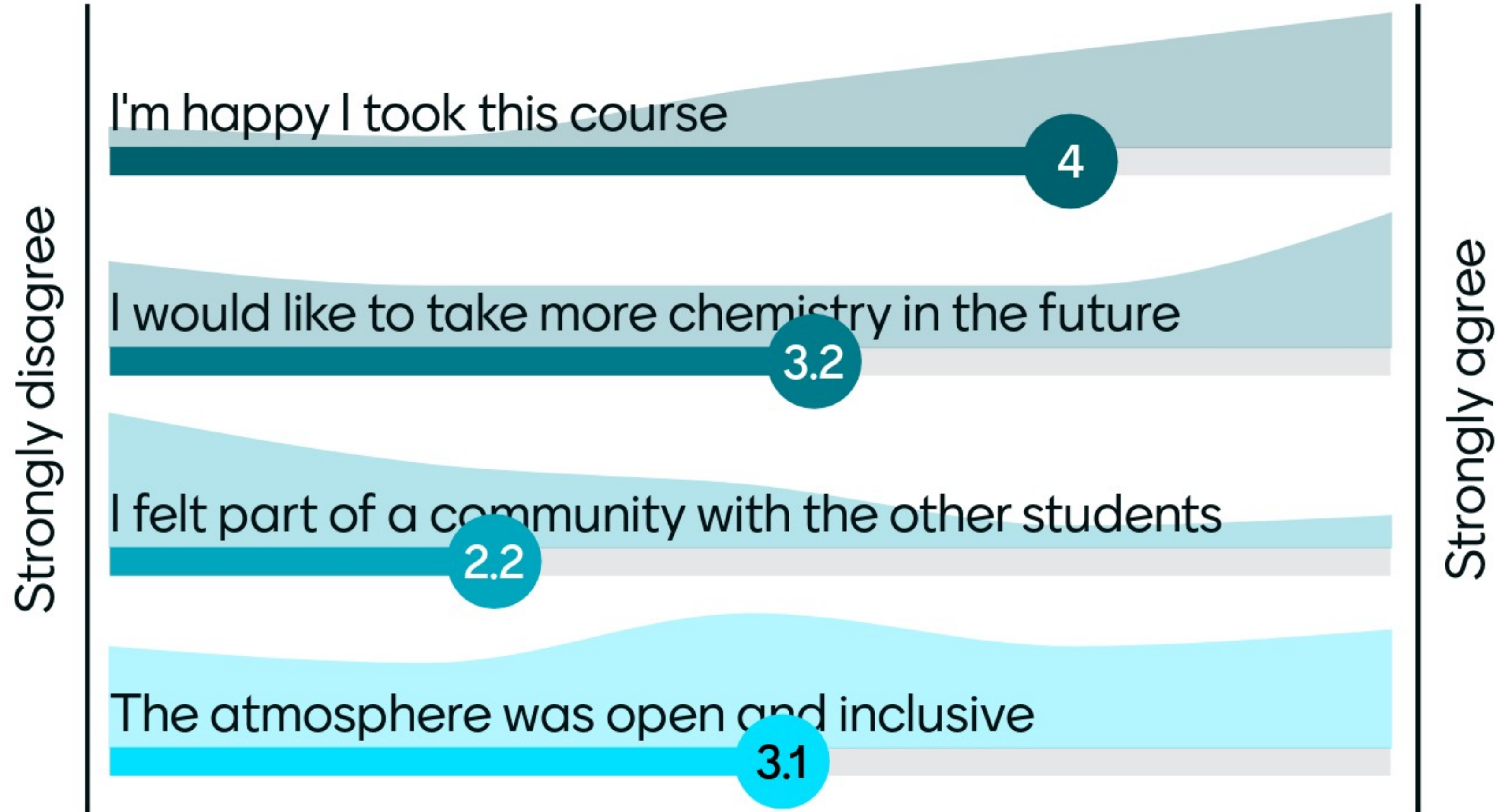
Which program are you in?



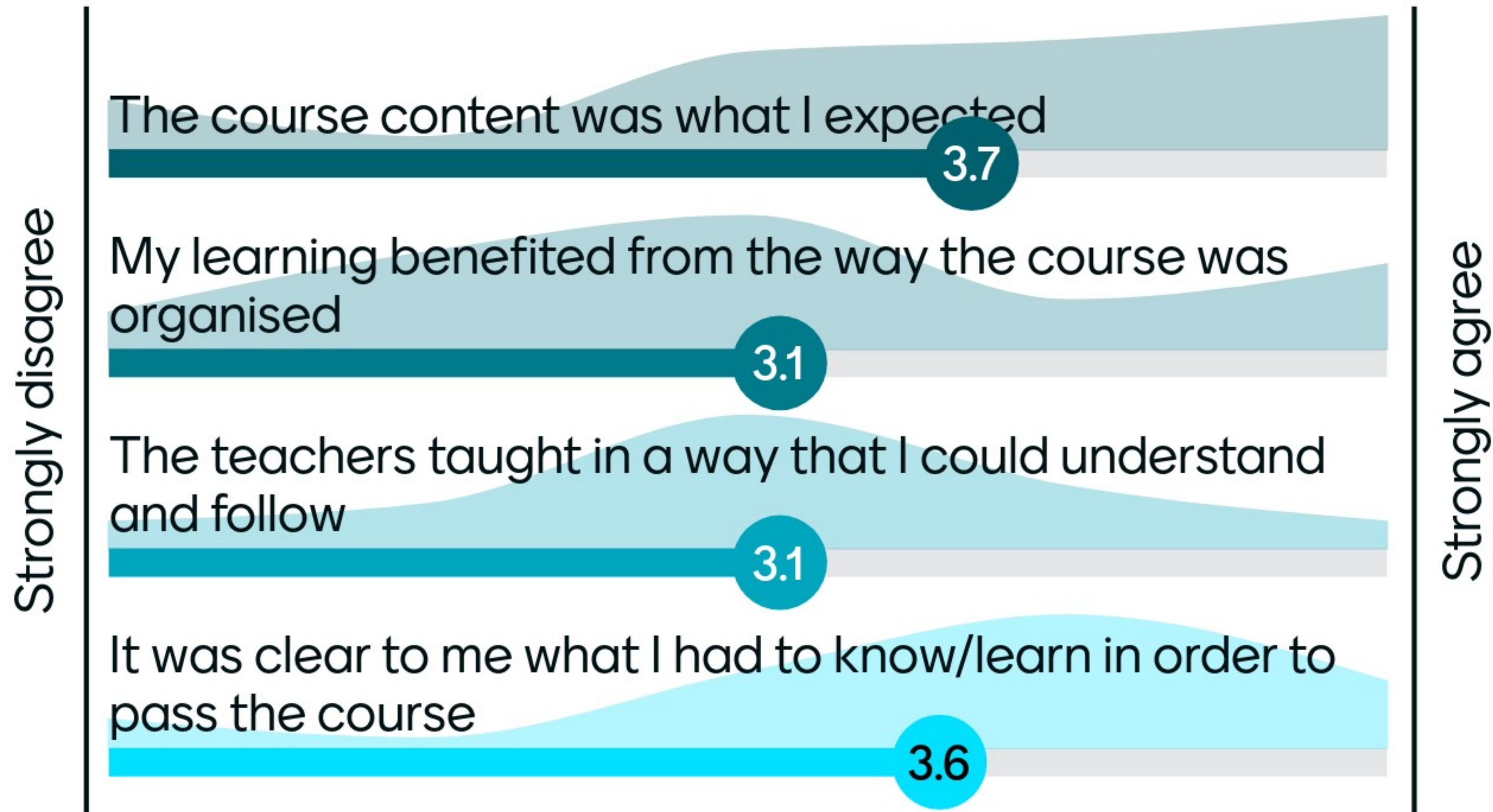
Course-specific questions



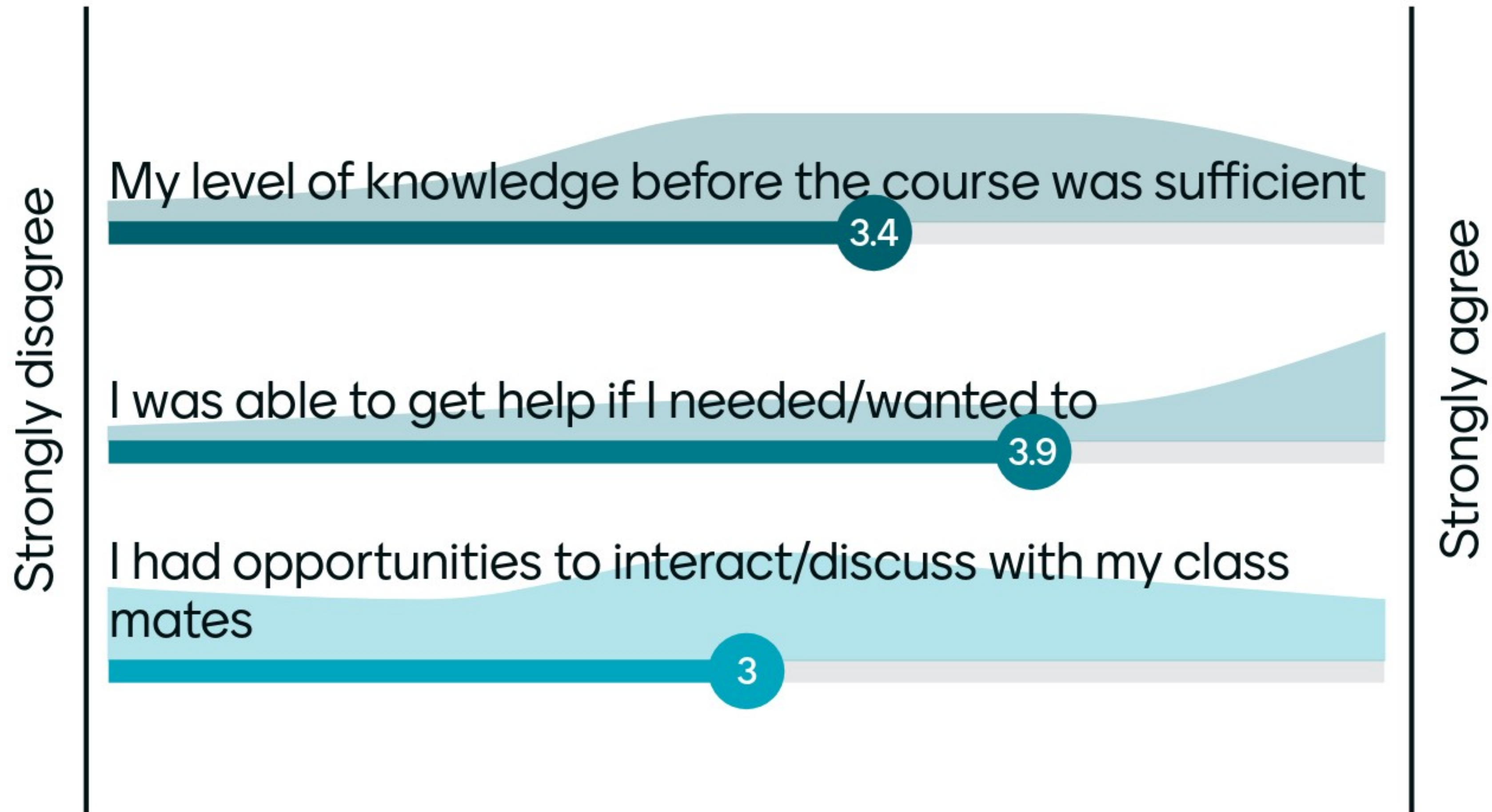
Course-specific questions



Course-goals and understanding



Time, Pre-requisites, Situation



Rating of resources

