

# Exit Survey of Graduating EOS Students: Goals and Results



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## Exit survey goals:

- A. Determine student perspectives on our programs.
- B. Establish “baseline” for future surveys.
  - EOS SEI started 2 years ago.
  - 2009 grad class least affected by EOS-SEI
  - Potential alumni survey sometime in future

## Survey Response:

- 58 student respondents out of 80 graduating students
  - 73% = decent response!

## Survey Overview

- 55 questions
- Survey was up for 3 weeks (June-July 2009)
- Most questions are Likert scale
  - 2 kinds of Likert scale:
    - (1) strongly agree, agree, neutral, disagree, strongly disagree or
    - (2) very much, quite a bit, some, a little, not at all
  - Lots of space for student comments/feedback.
- See the online survey as it appeared to students:

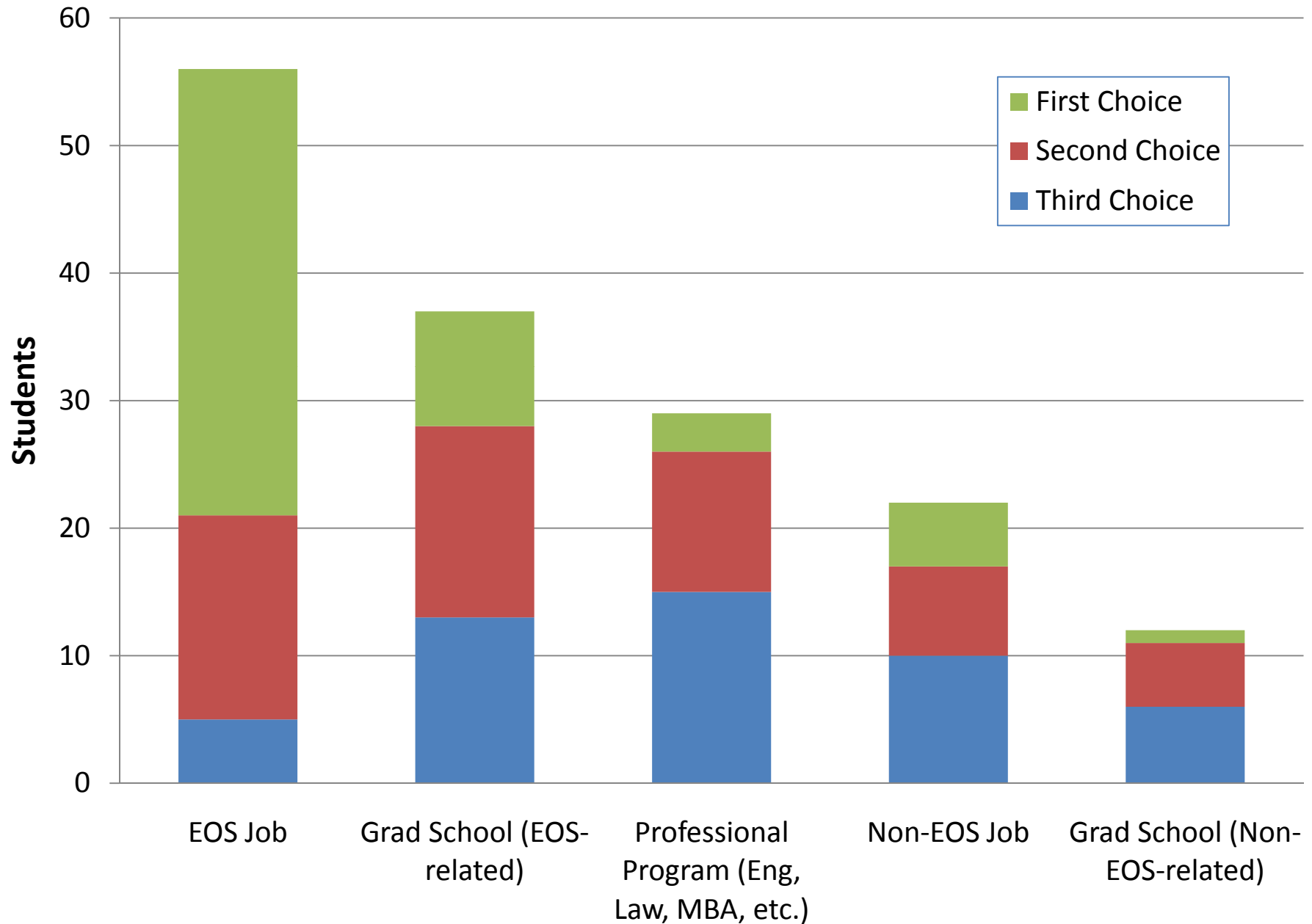
<http://www.eos.ubc.ca/scripts/courses/eosexit/eos-exitsurvey.html>

# Results Summary

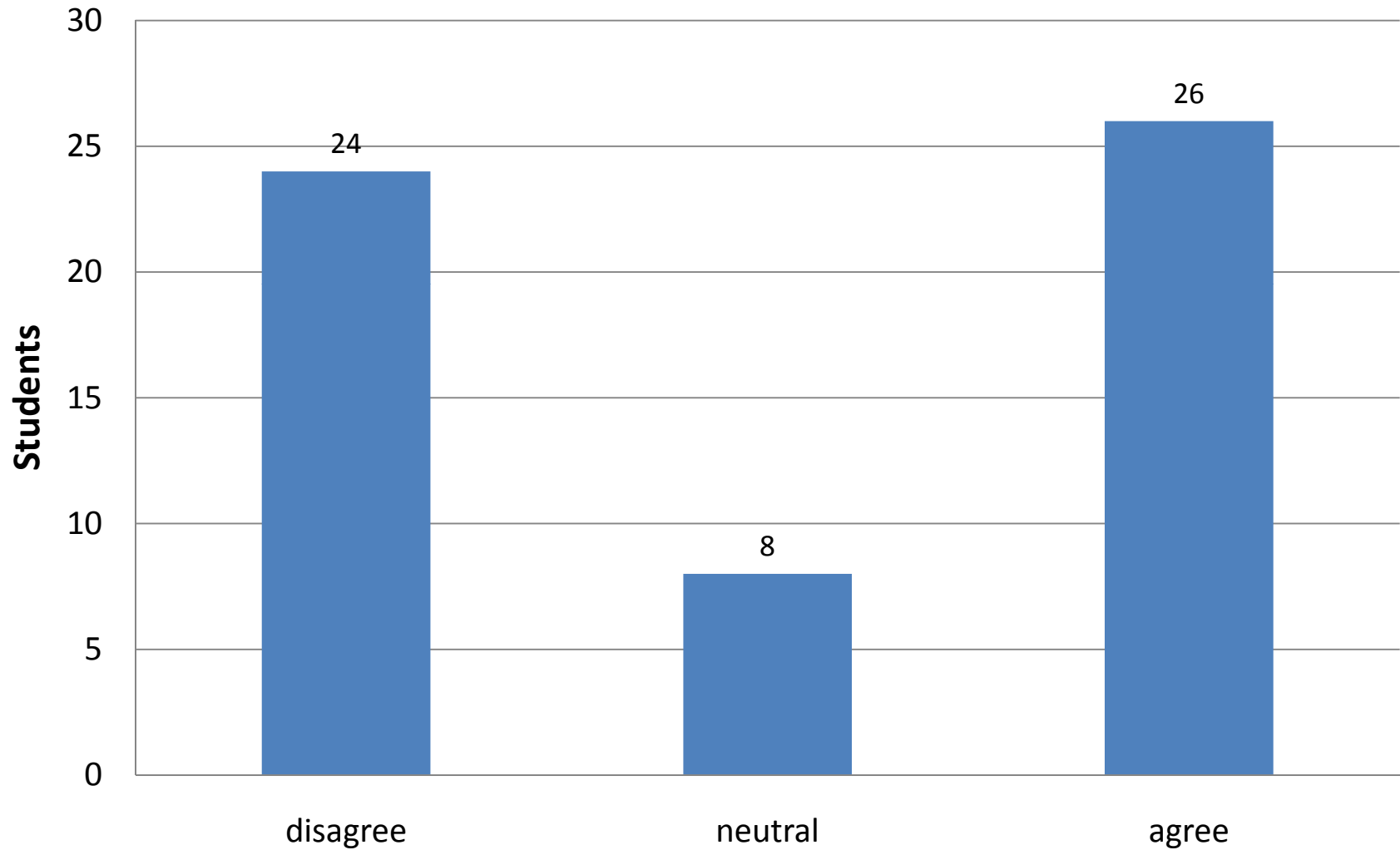
- 83% of students enjoyed their time at EOS
- >80% of students value field experiences
- 88% of students want to get jobs in EOS-related fields or go to grad school in an EOS-related field
- >50% of students want more timely and effective feedback on their assignments and exams
- >50% of students want more explicit connections between their coursework and their program

Students were asked their thoughts on:  
Careers, Courses, Electives, Program options,  
Skills learned, Teaching, and Demographics.

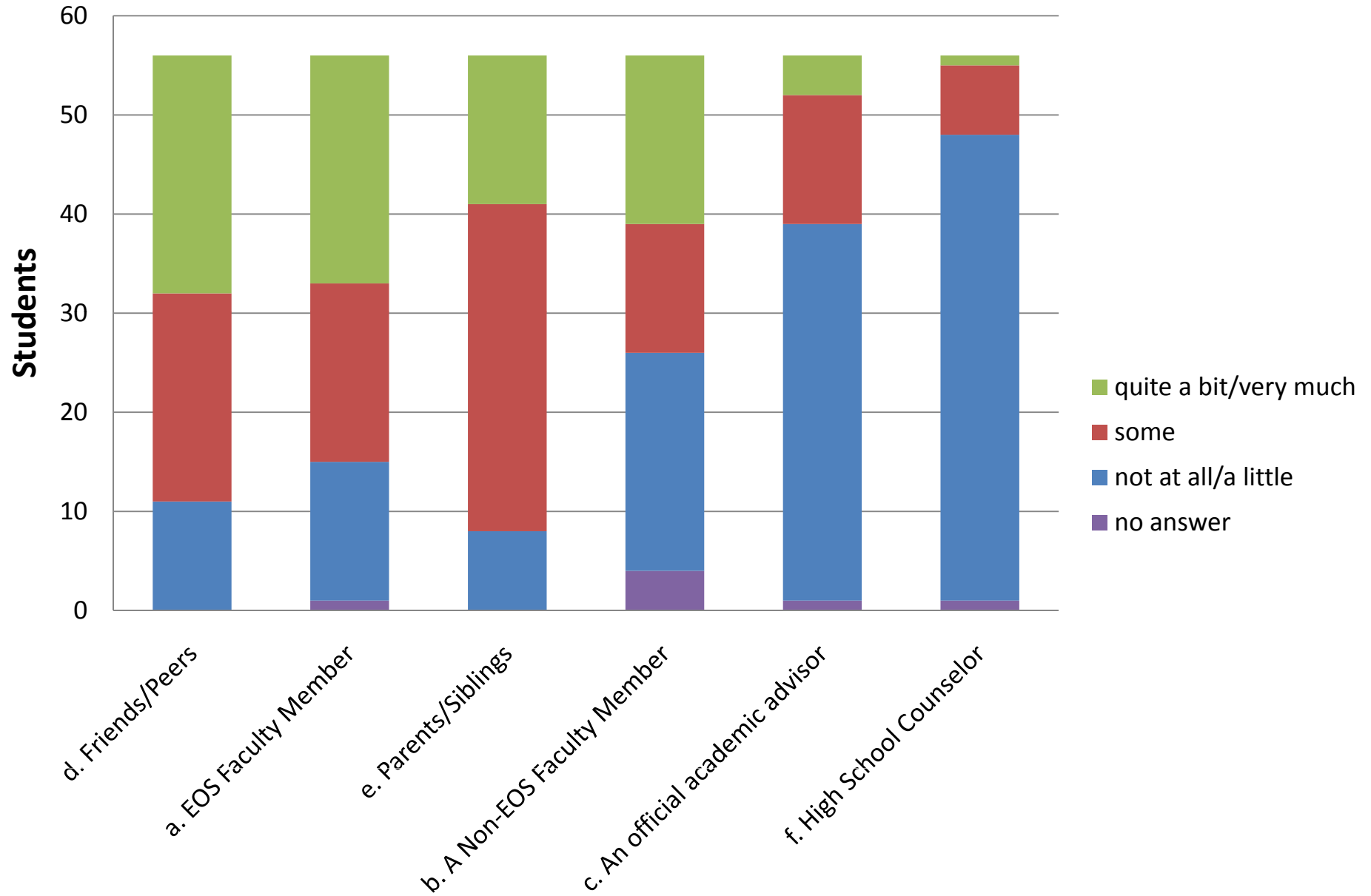
## Q1: My goal after getting my degree is to:



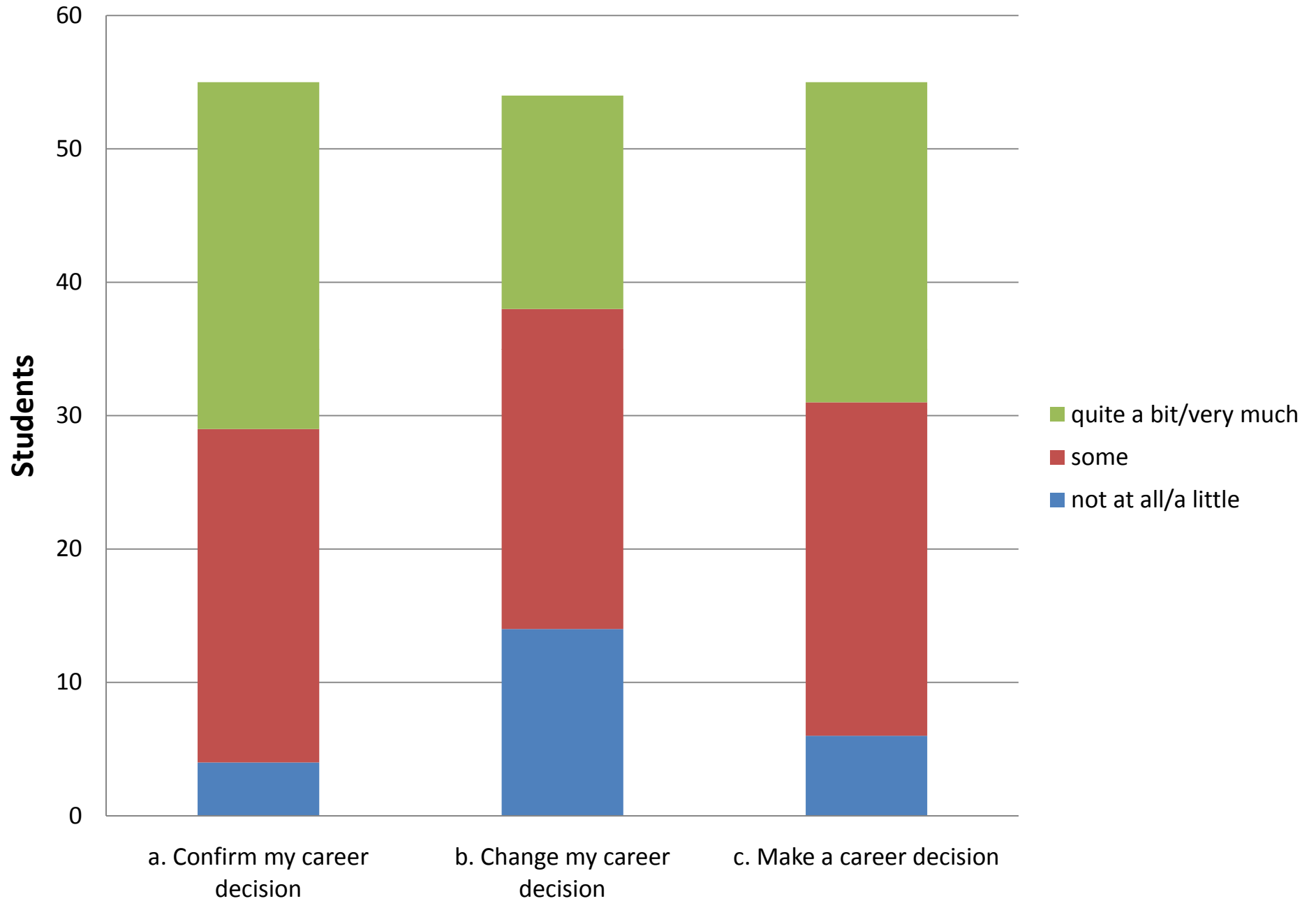
## Q2: "I had a clear career goal when entering my program."



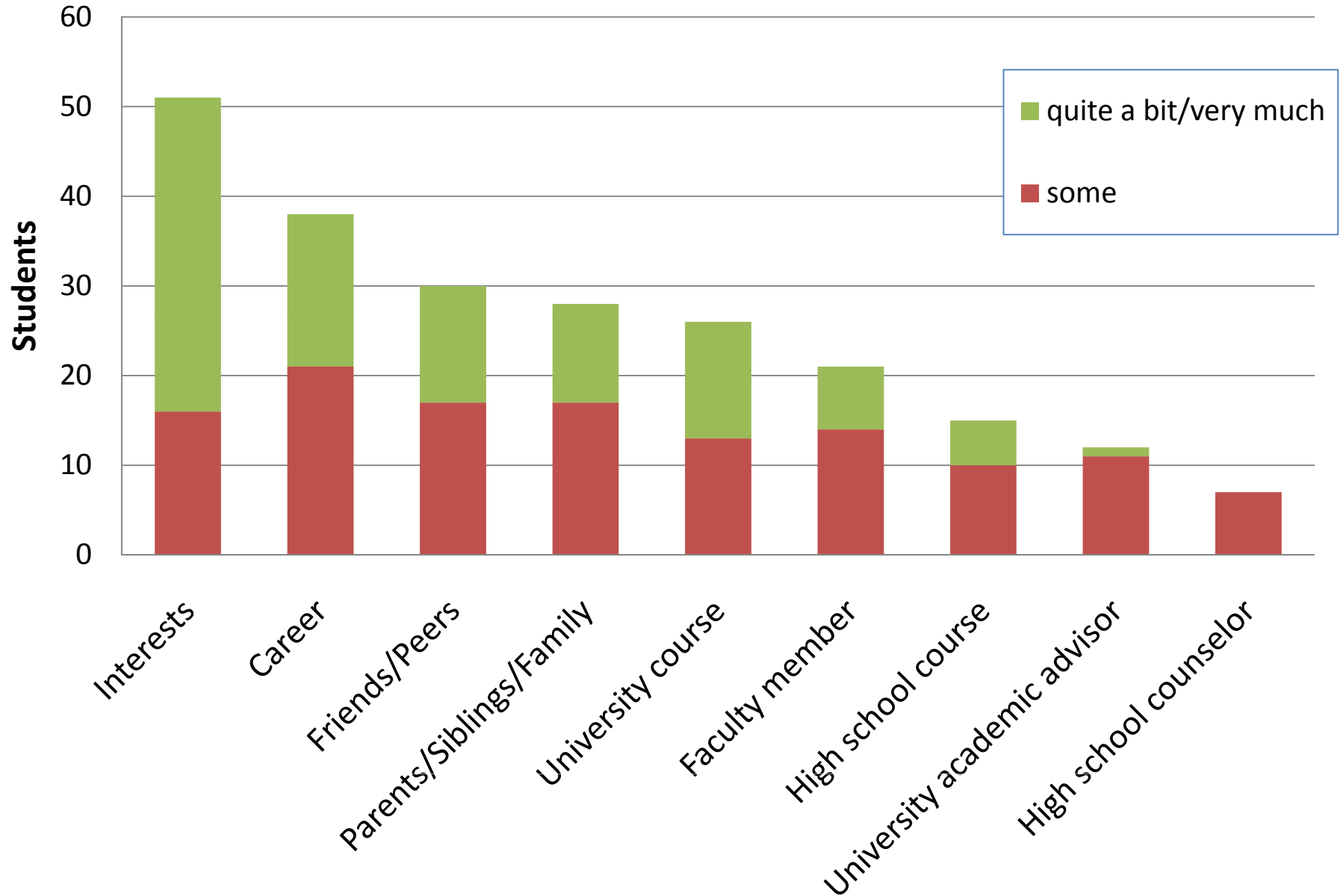
### Q3. My choice to declare EOS as my major was influenced by:



## Q4. Taking EOS at UBC helped me to:

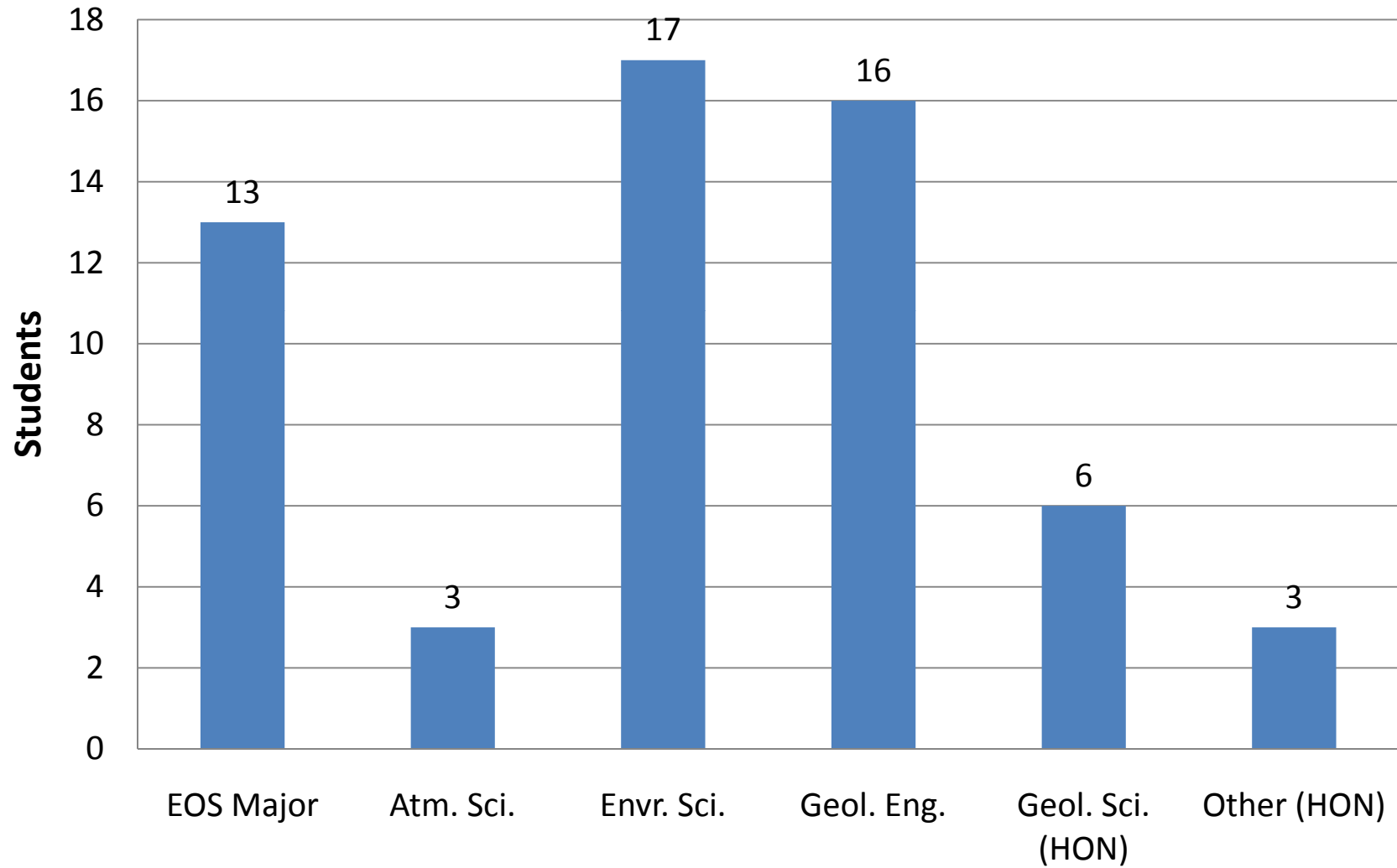


## Q5. My choice to declare EOS as my major was influenced by:

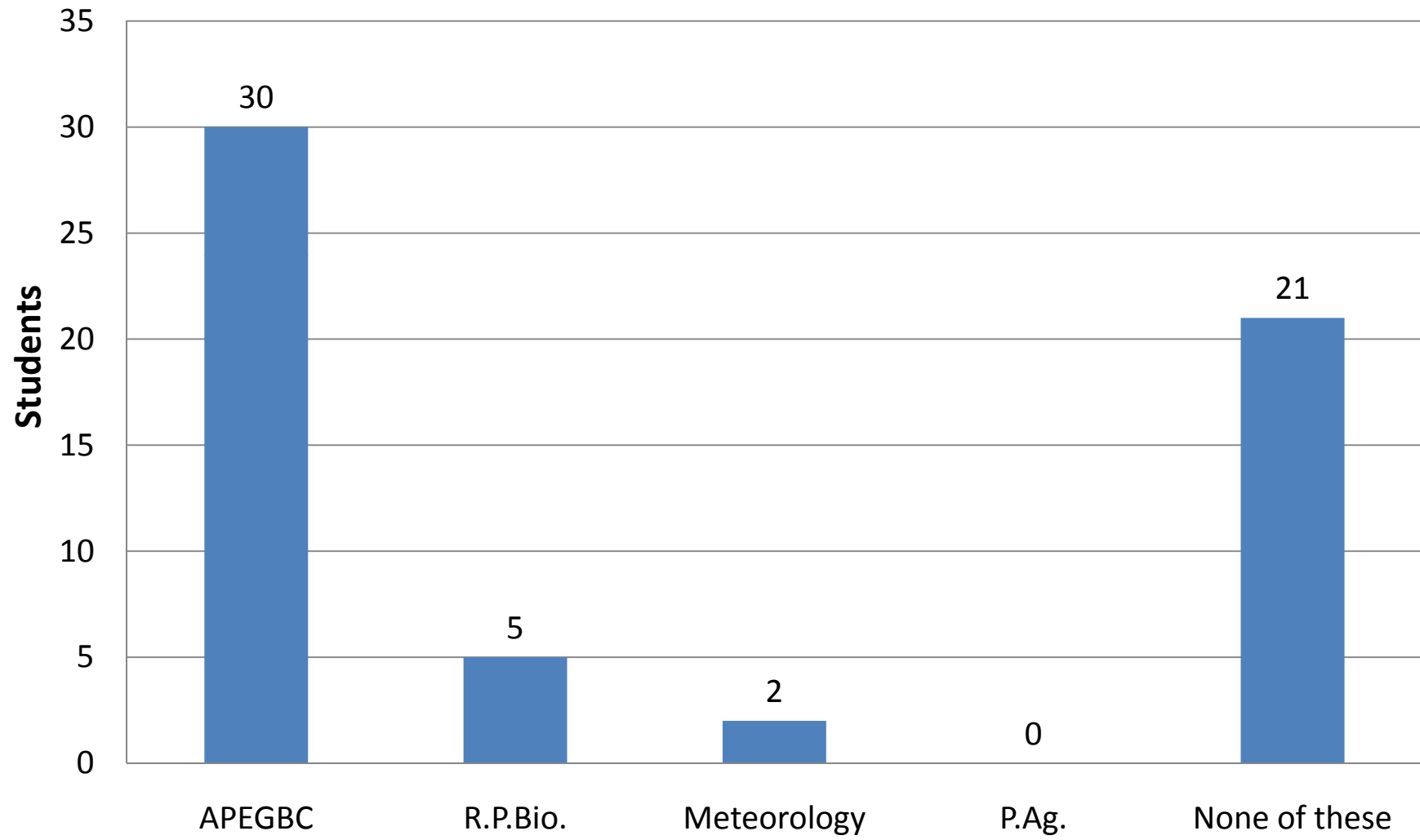




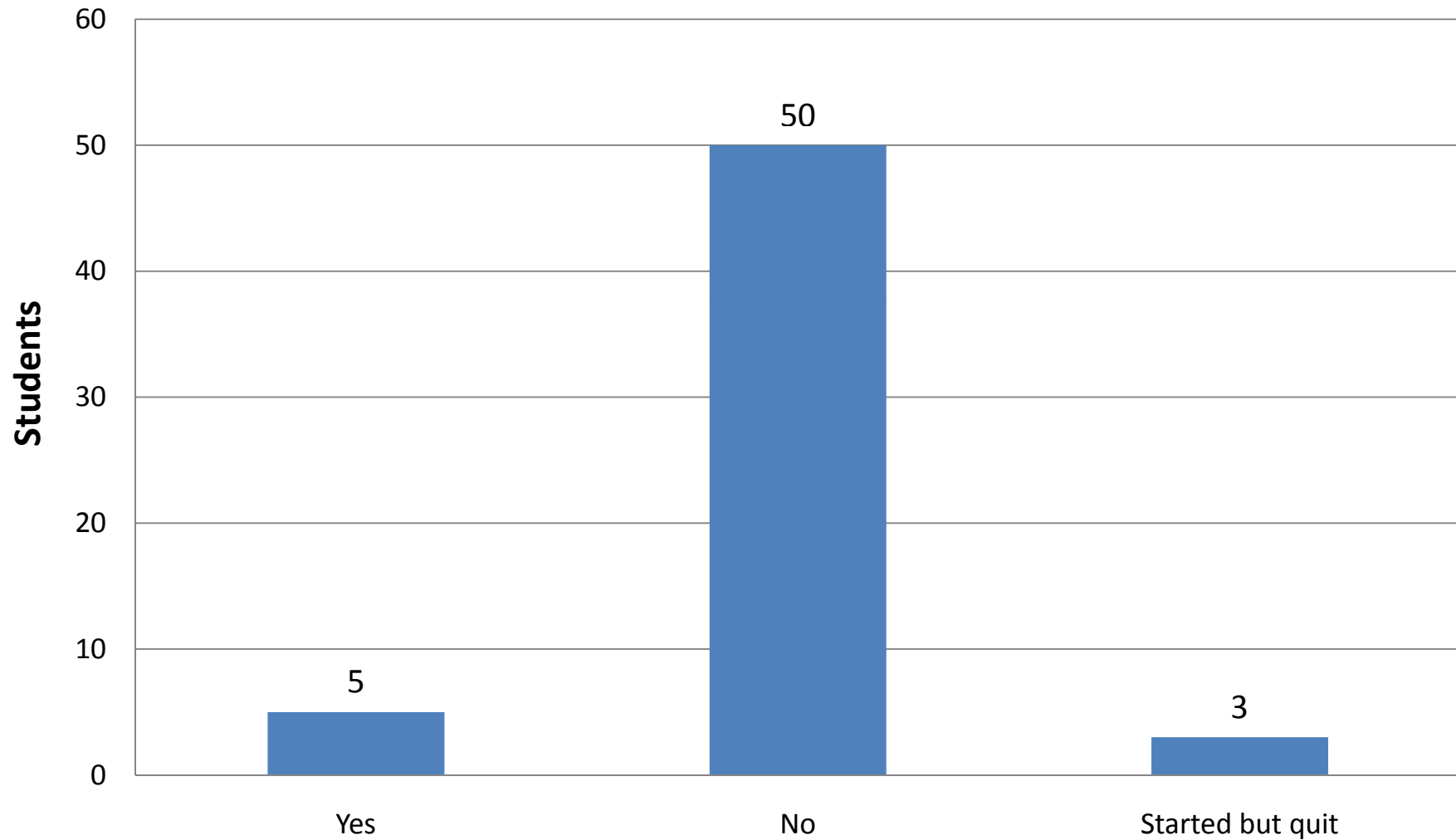
## Q6a: What is your primary degree program?



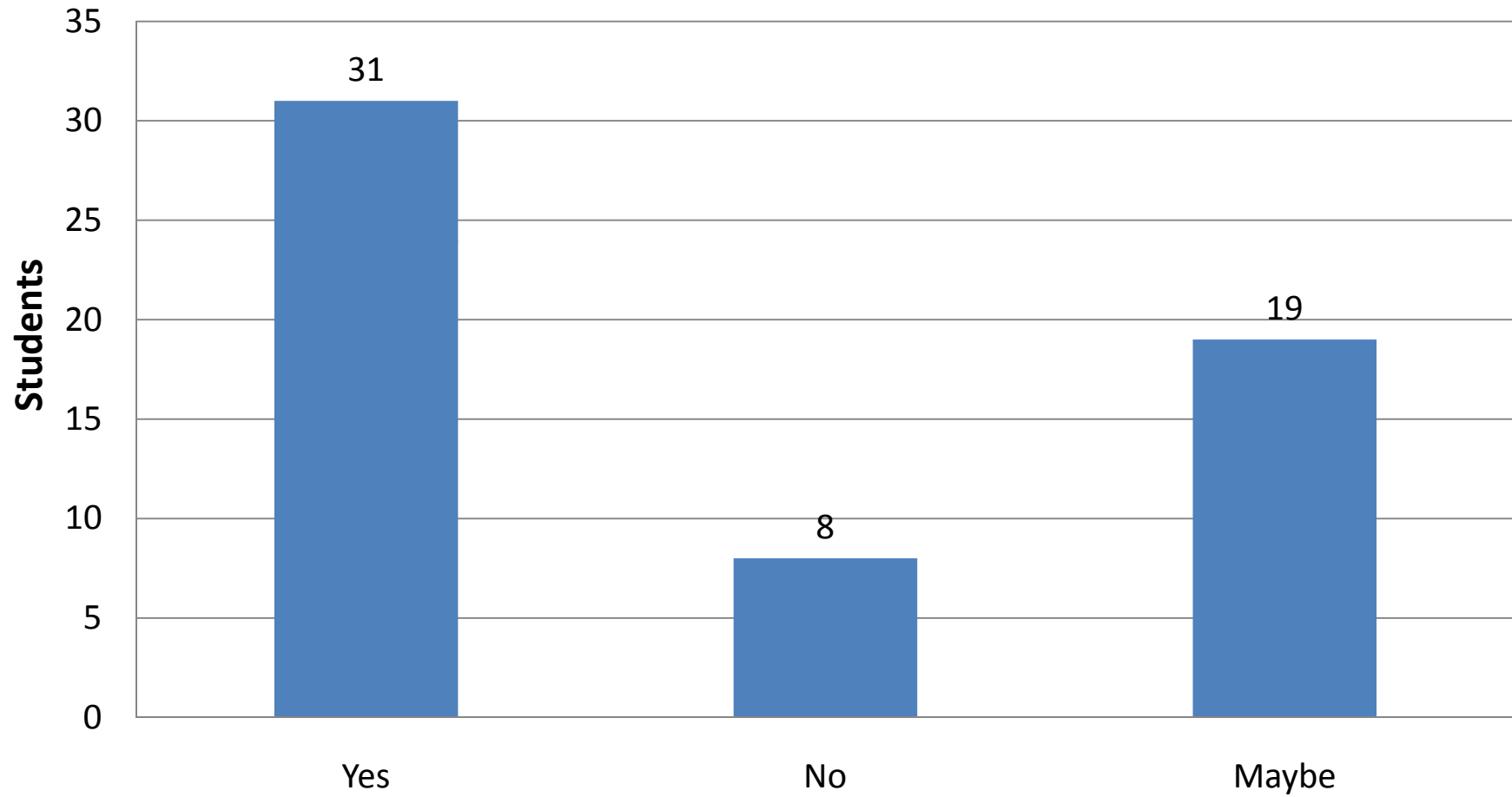
## Q6b: Are you planning on registering as a professional in any of the following professional organizations?



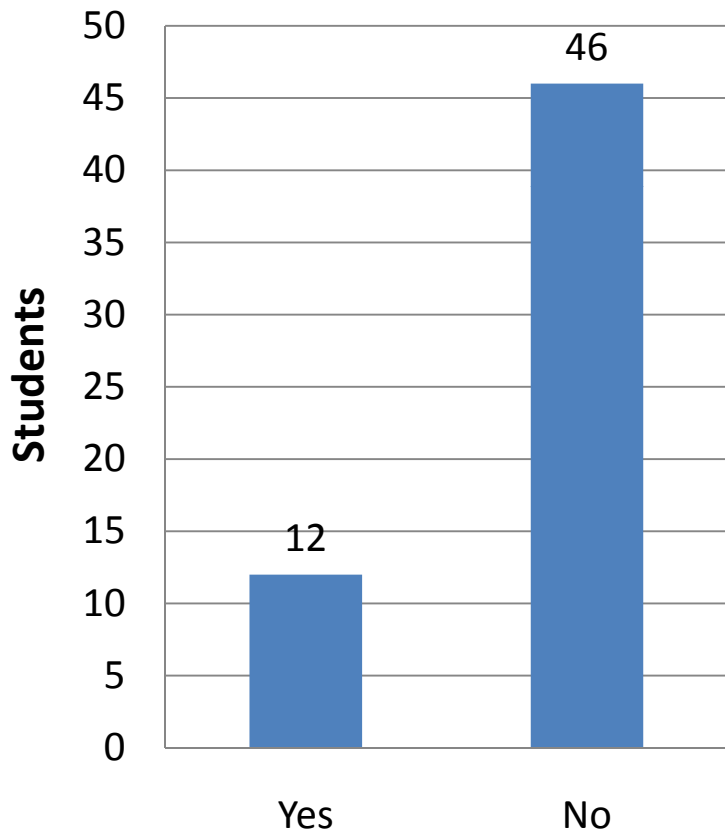
## Q6c: Did you complete the CO-OP program?



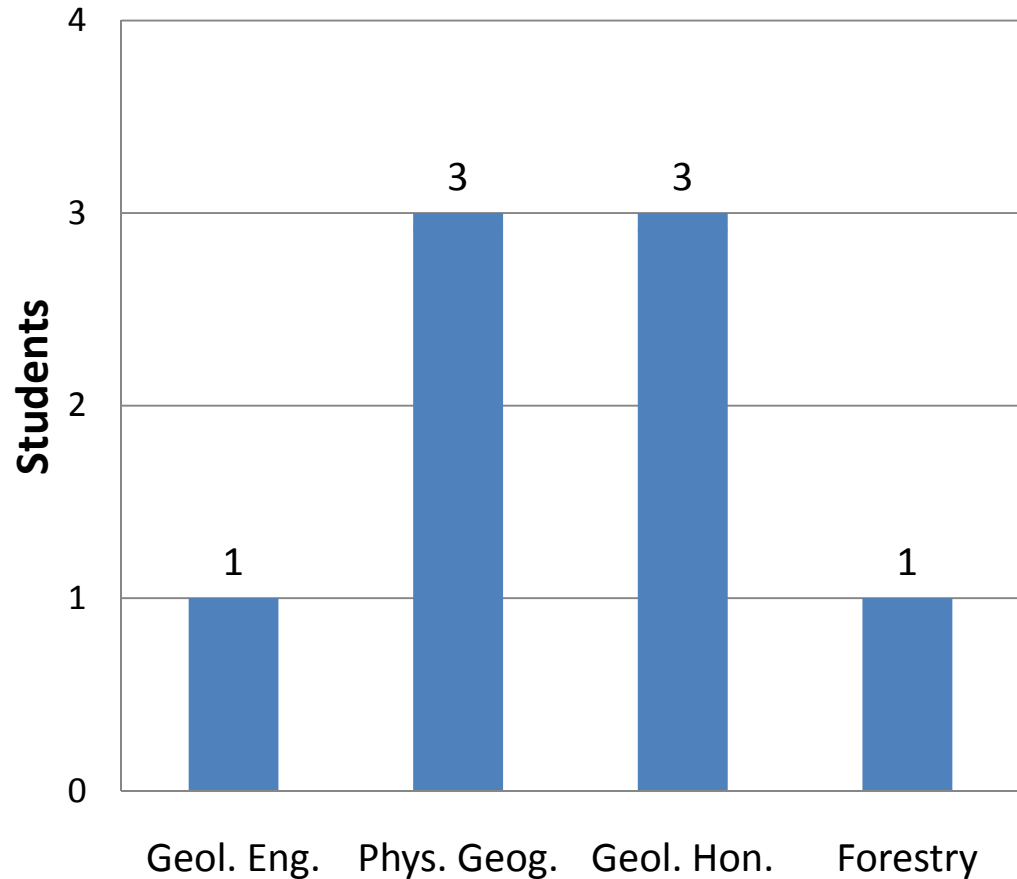
## Q6d: Are you planning to apply for graduate school any time after graduation?



**Q7. Would you have preferred to choose a DIFFERENT program?**



**Q8. If you answered YES to Q7, what program would you have preferred, why?**

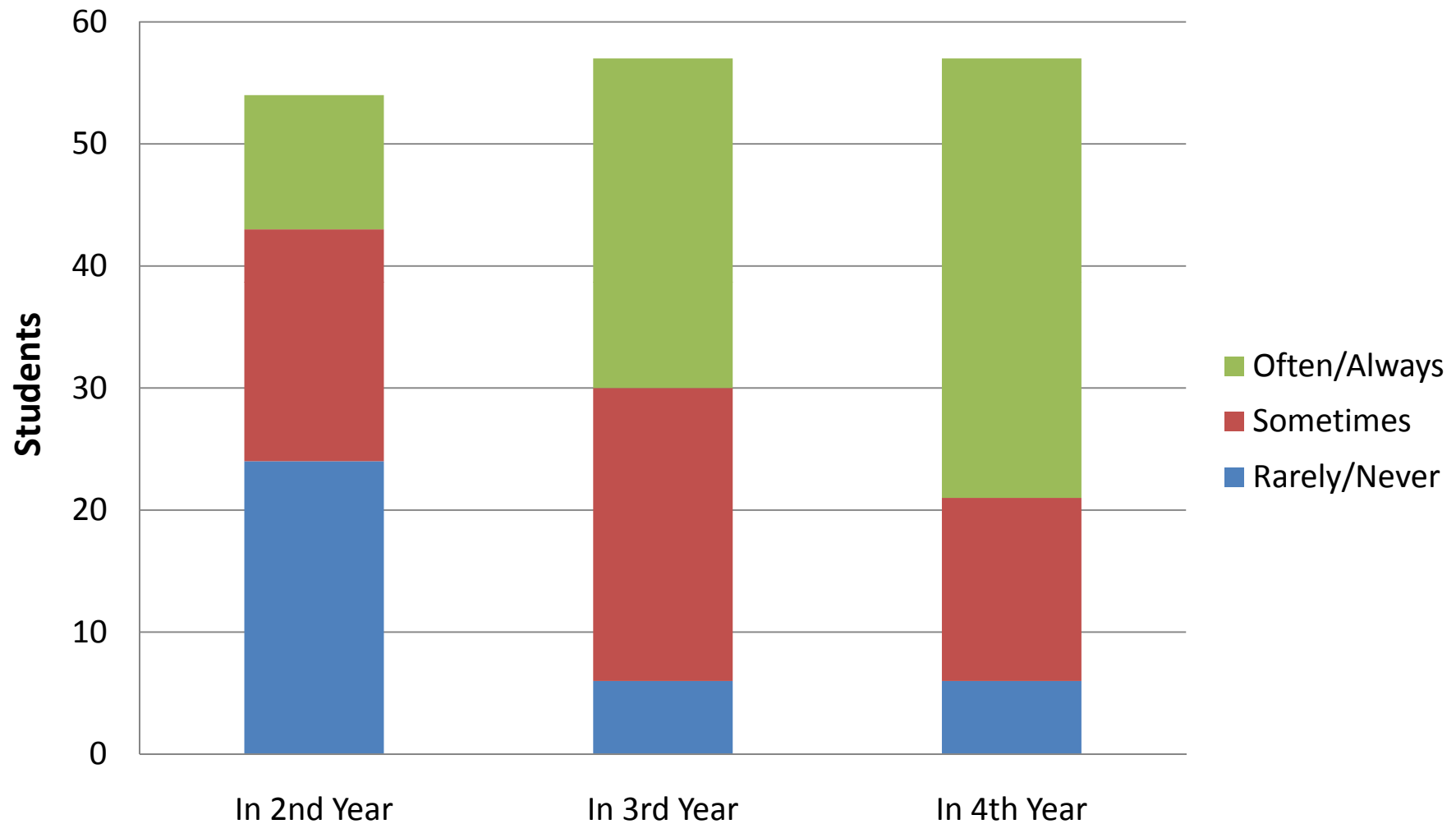


(A few other programs were not categorized)

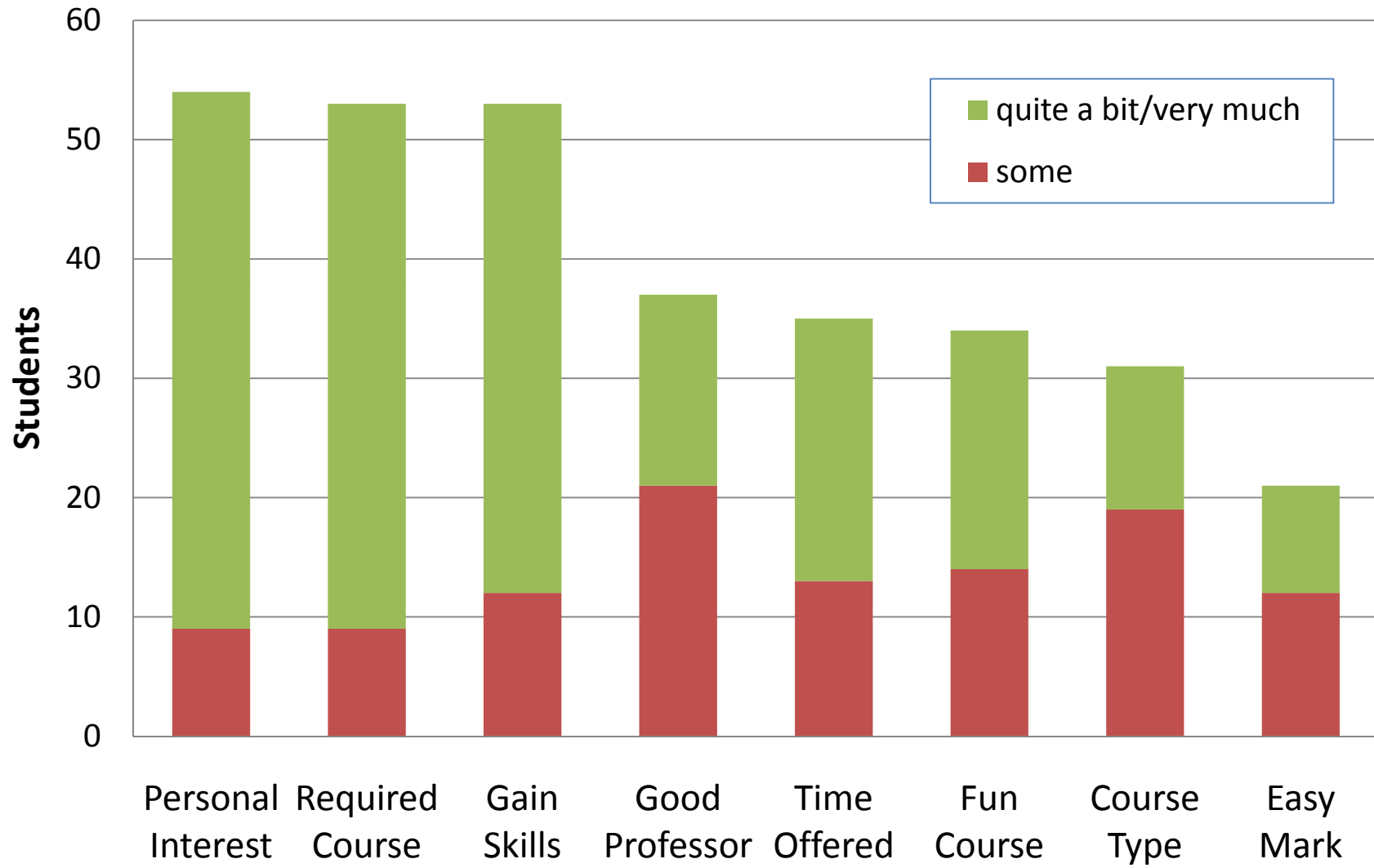
# Q9 – Suggestions for other EOS program options?

- Environmental Program (e.g. like University of Calgary)
- Geology Major
- Geophysics Major
- Hydrogeology Major
- Resource Management
- Environmental Engineering
- Dual Geologic Engineering – Geology degree: should cover requirements for P.Eng. and P.Geo.
- Expanded and focused Envr. Sci. program.
- More 4<sup>th</sup> year Geotech classes with a wider range of topics.
- Bring in more “arts/social science” material when discussing global warming. Look at course ASIC 200, try to incorporate these ideas into geology stream.

## Q10: My program or program option allowed me to choose electives that matched my interests.

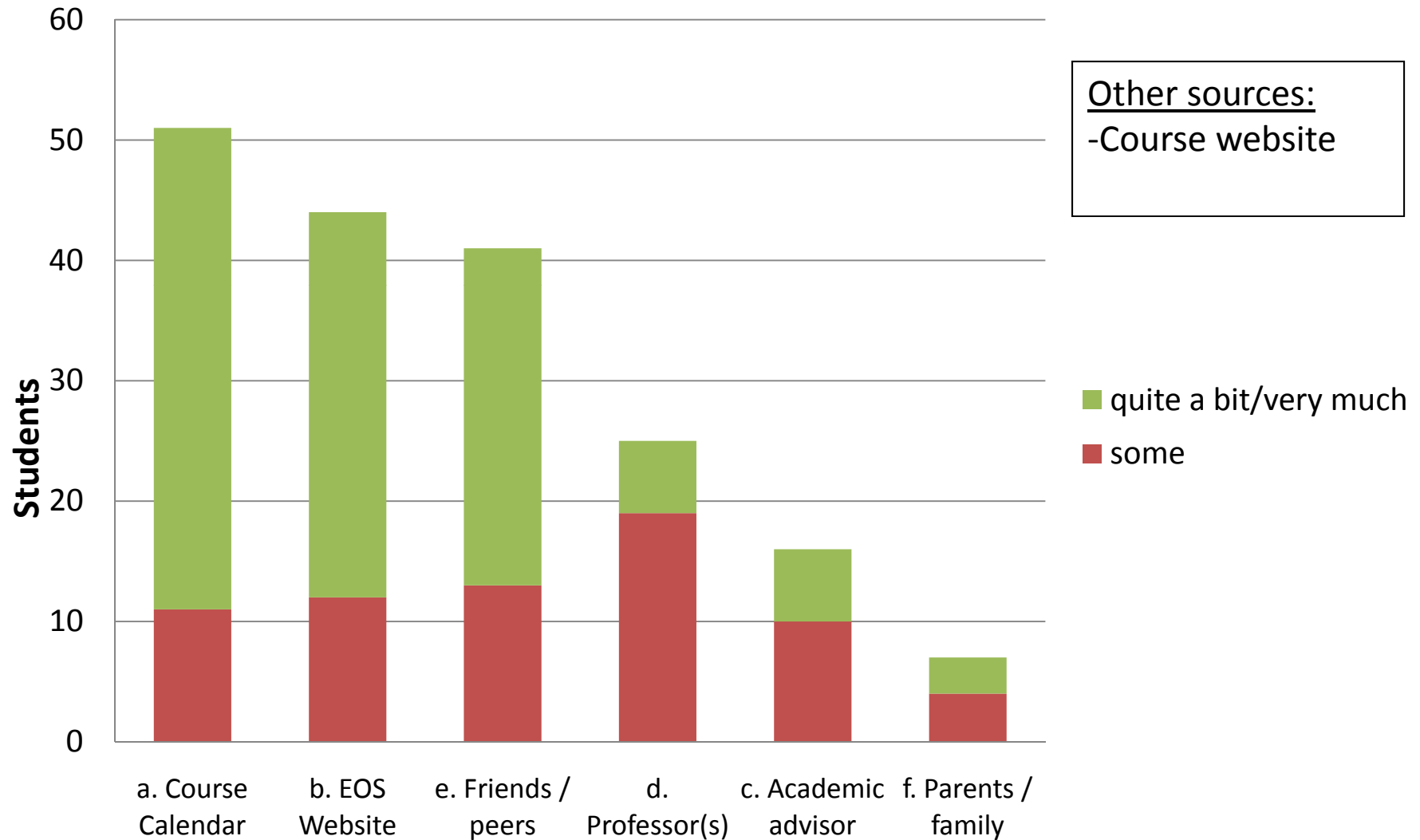


## Q11: I usually chose course electives based on the following factors:

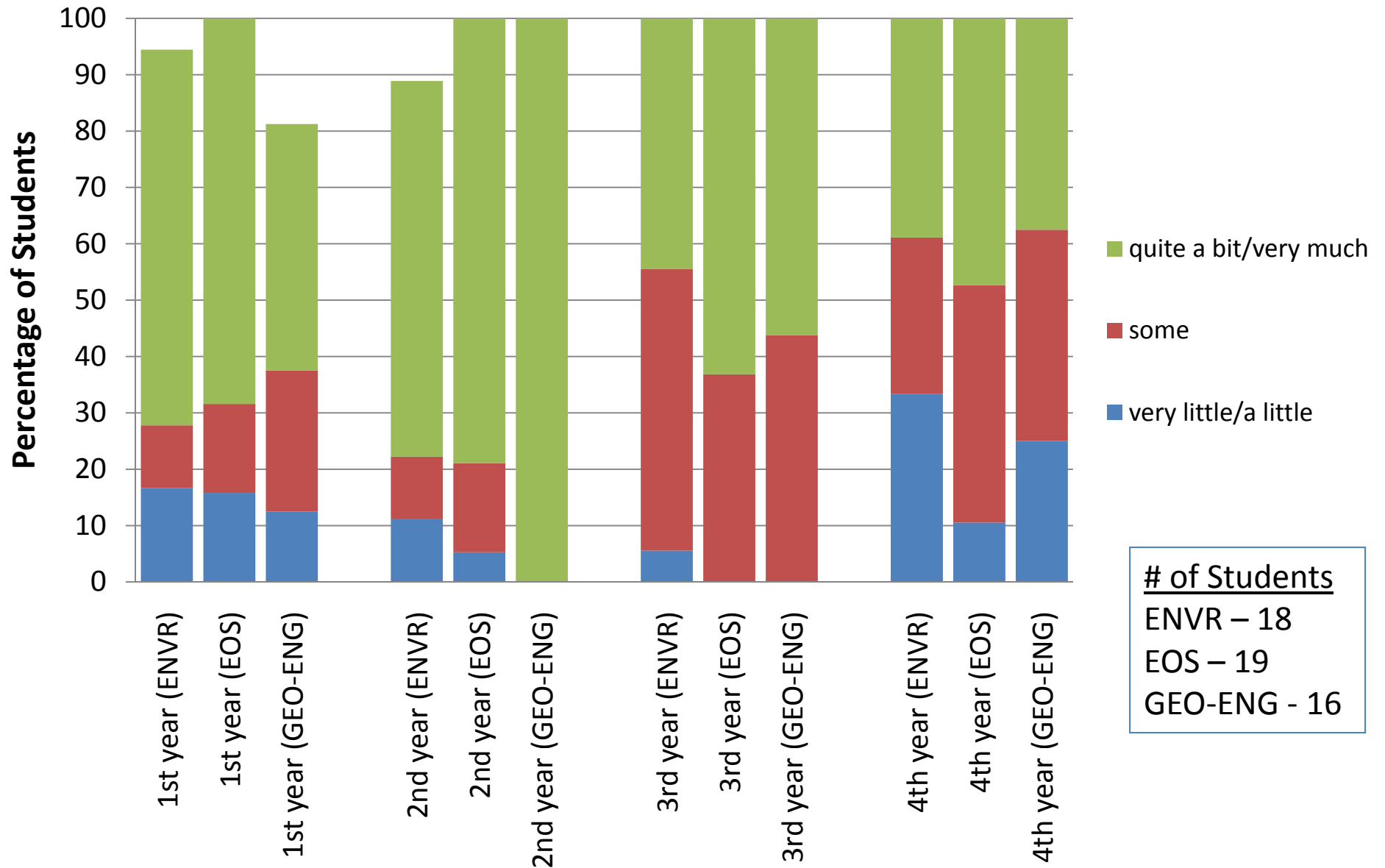




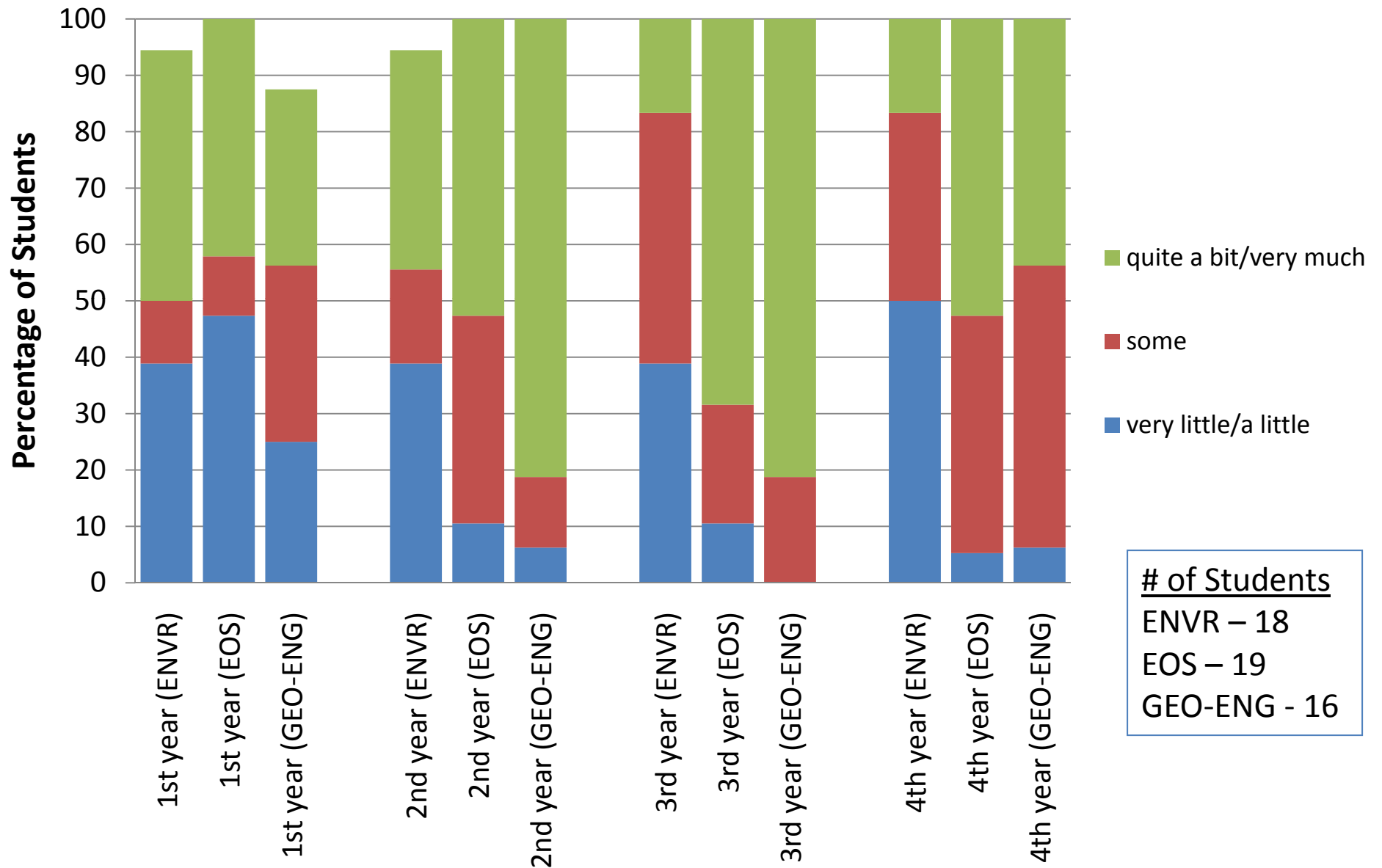
## Q12: I obtained information on course electives from the following sources:



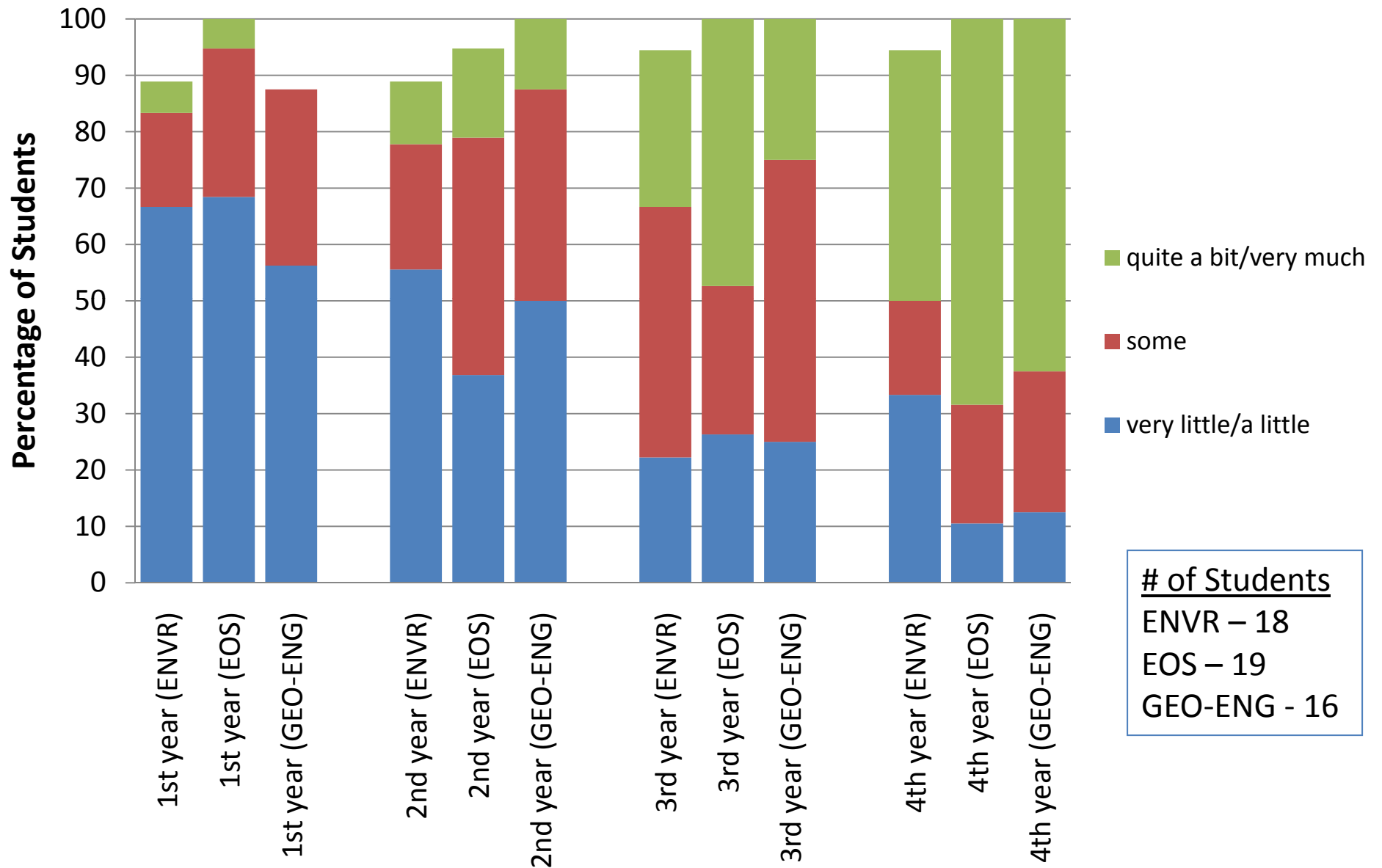
## Q13. How much has EOS coursework emphasized memorizing facts, ideas, or methods?



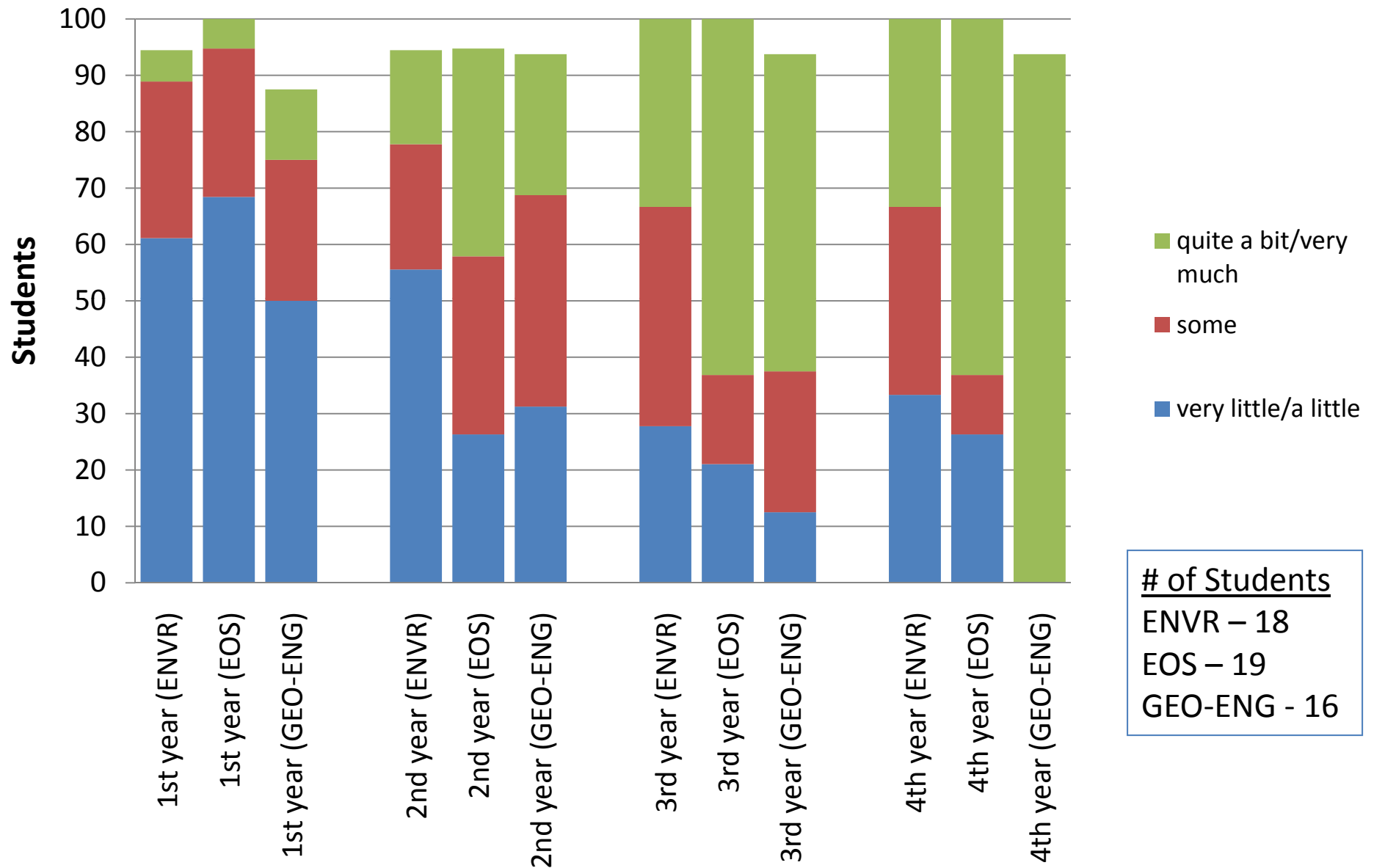
## Q14. How much has EOS coursework emphasized development of lab skills?



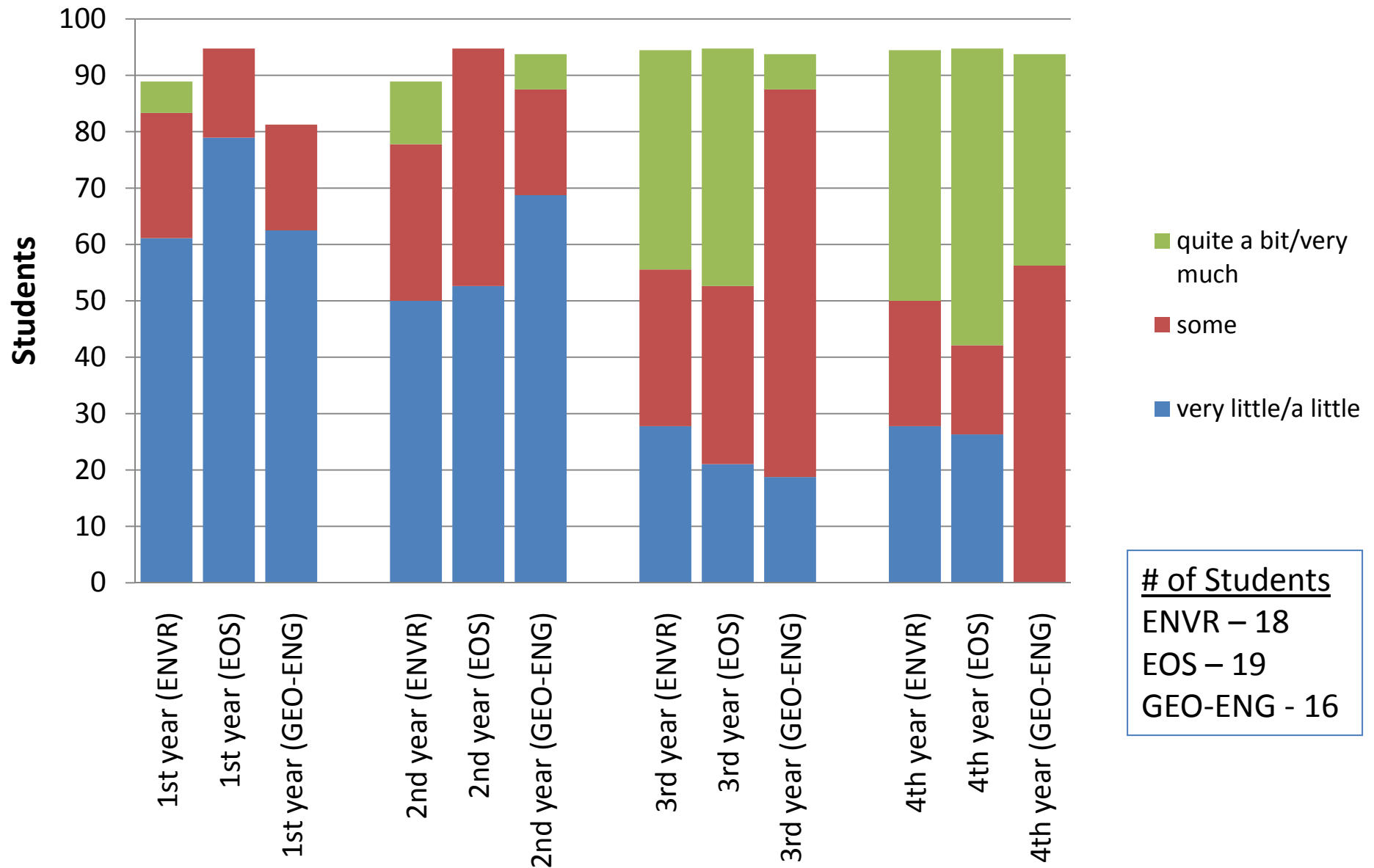
## Q15. How much has EOS coursework emphasized development of writing skills?



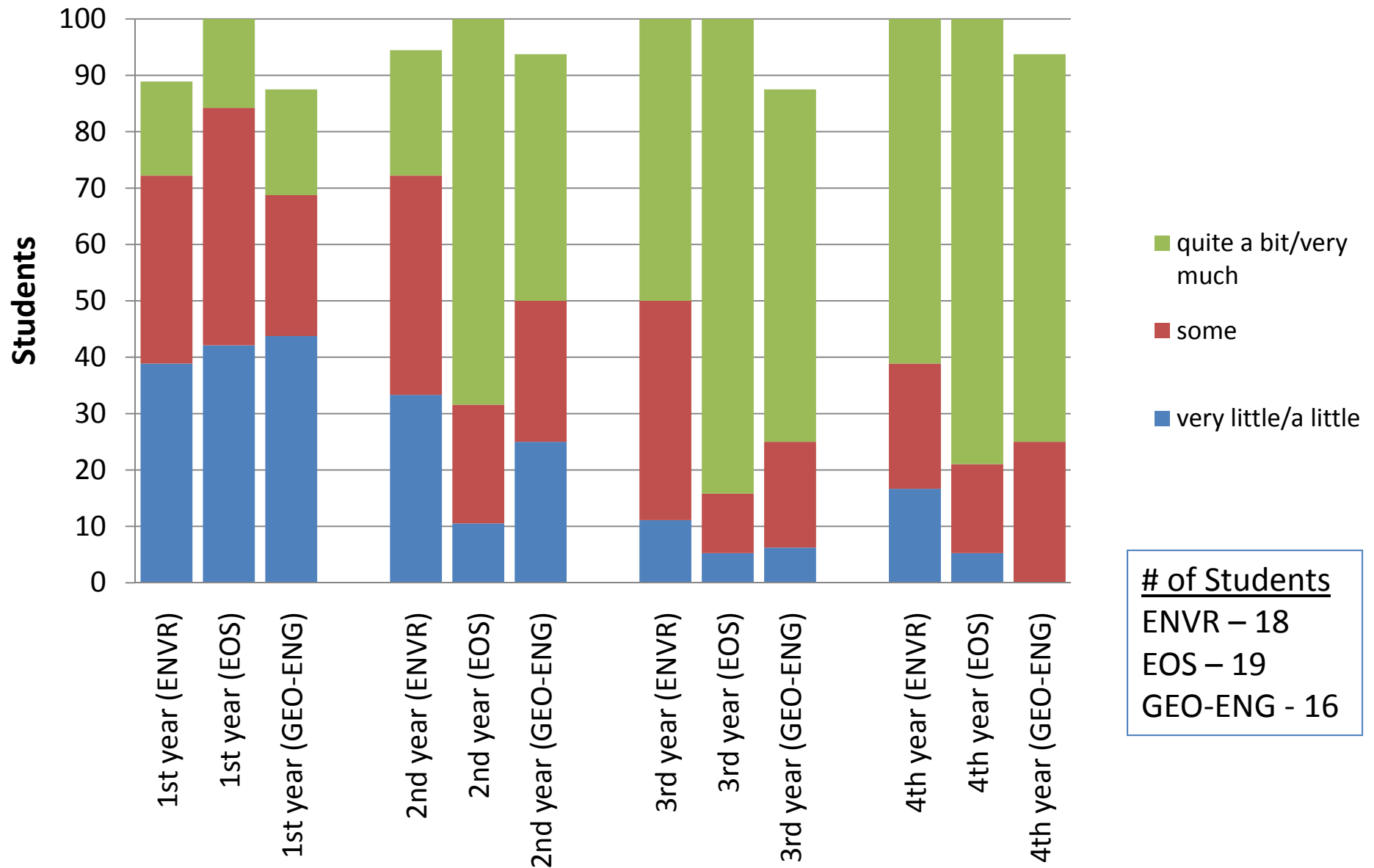
## Q16. How much has EOS coursework emphasized development of teamworking skills?



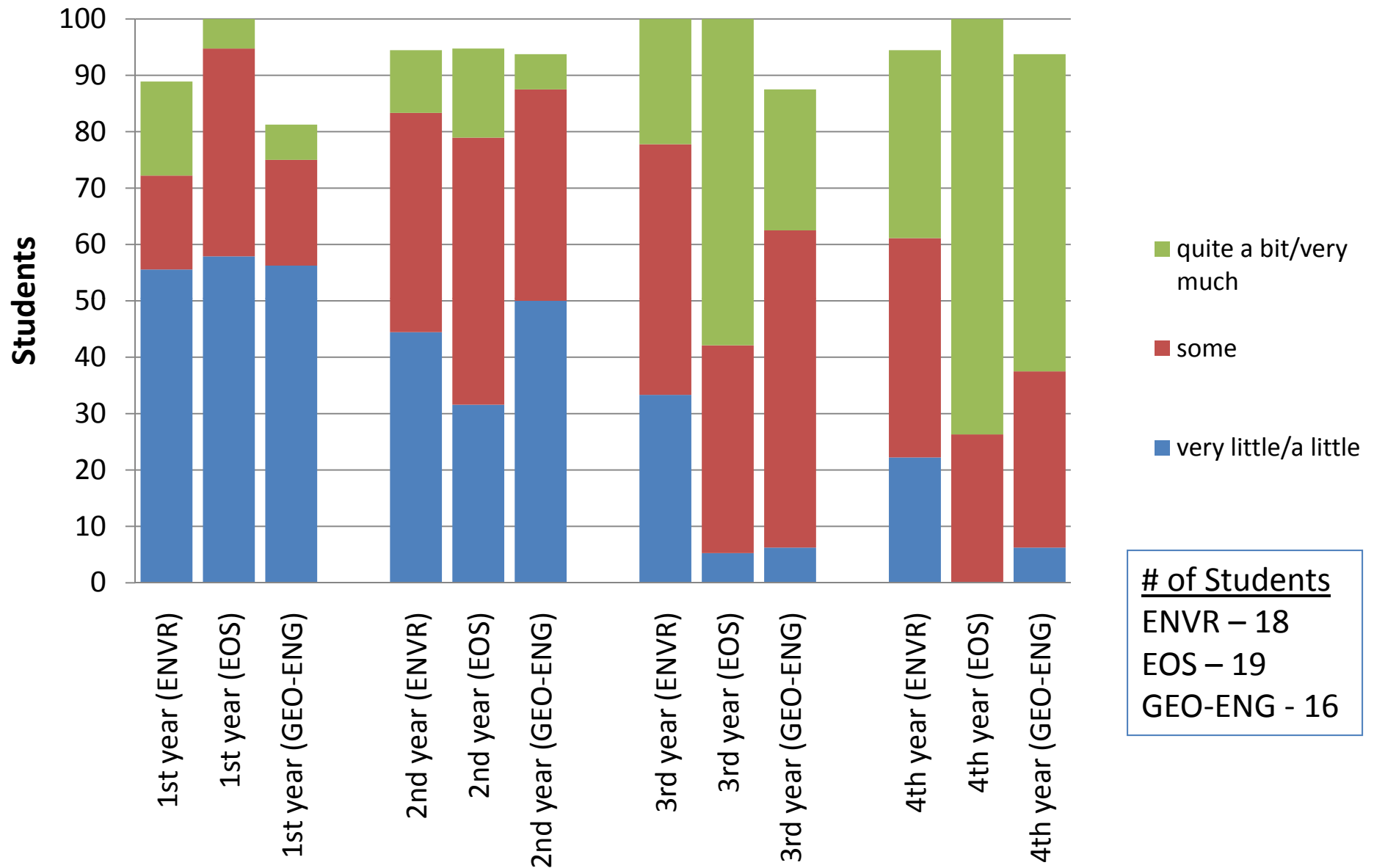
## Q17. How much has EOS coursework emphasized development of oral presentation skills?



## Q18. How much have EOS courses emphasized development of observation skills?

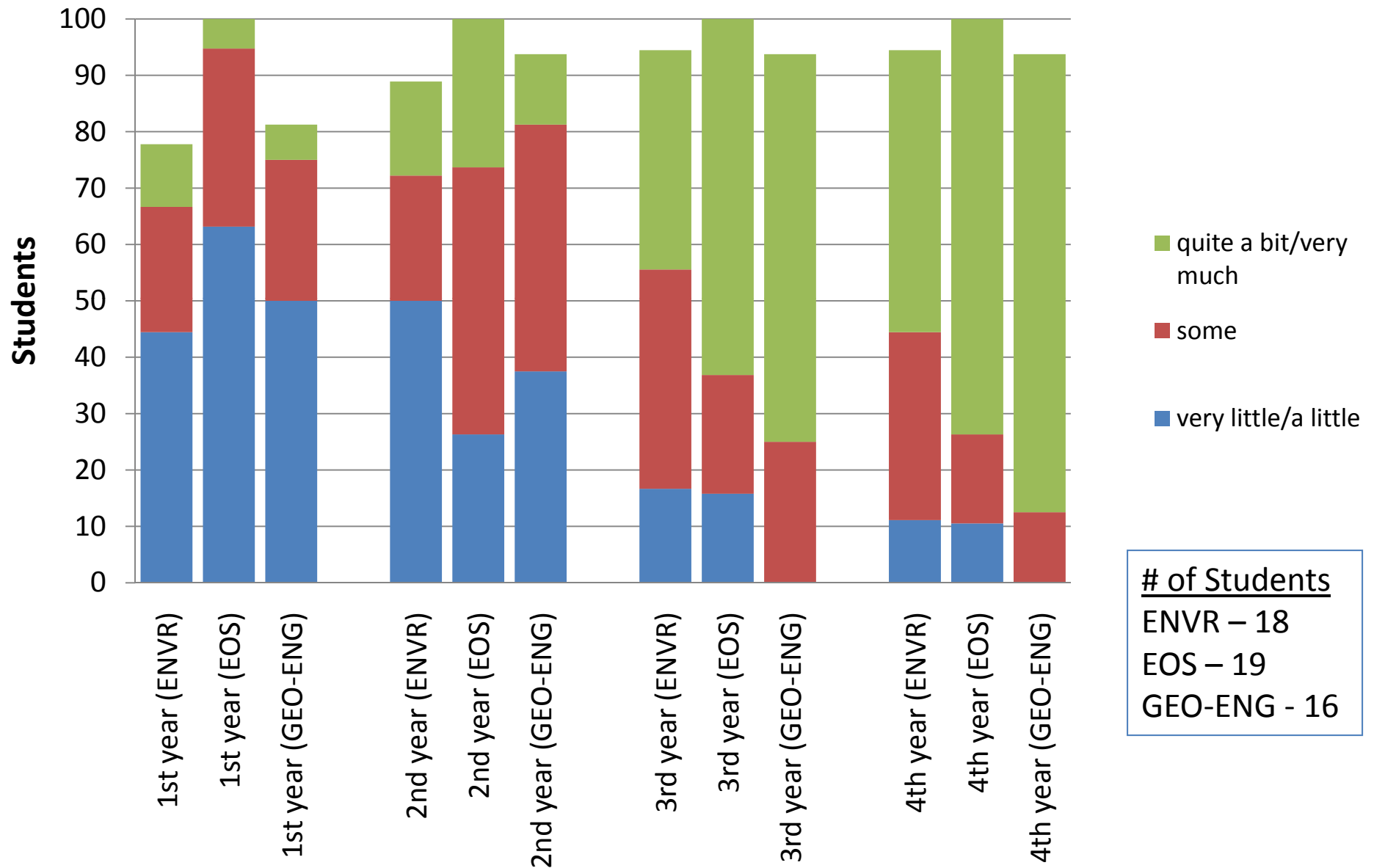


# Q19. How much have EOS courses helped you become better at formulating hypotheses?

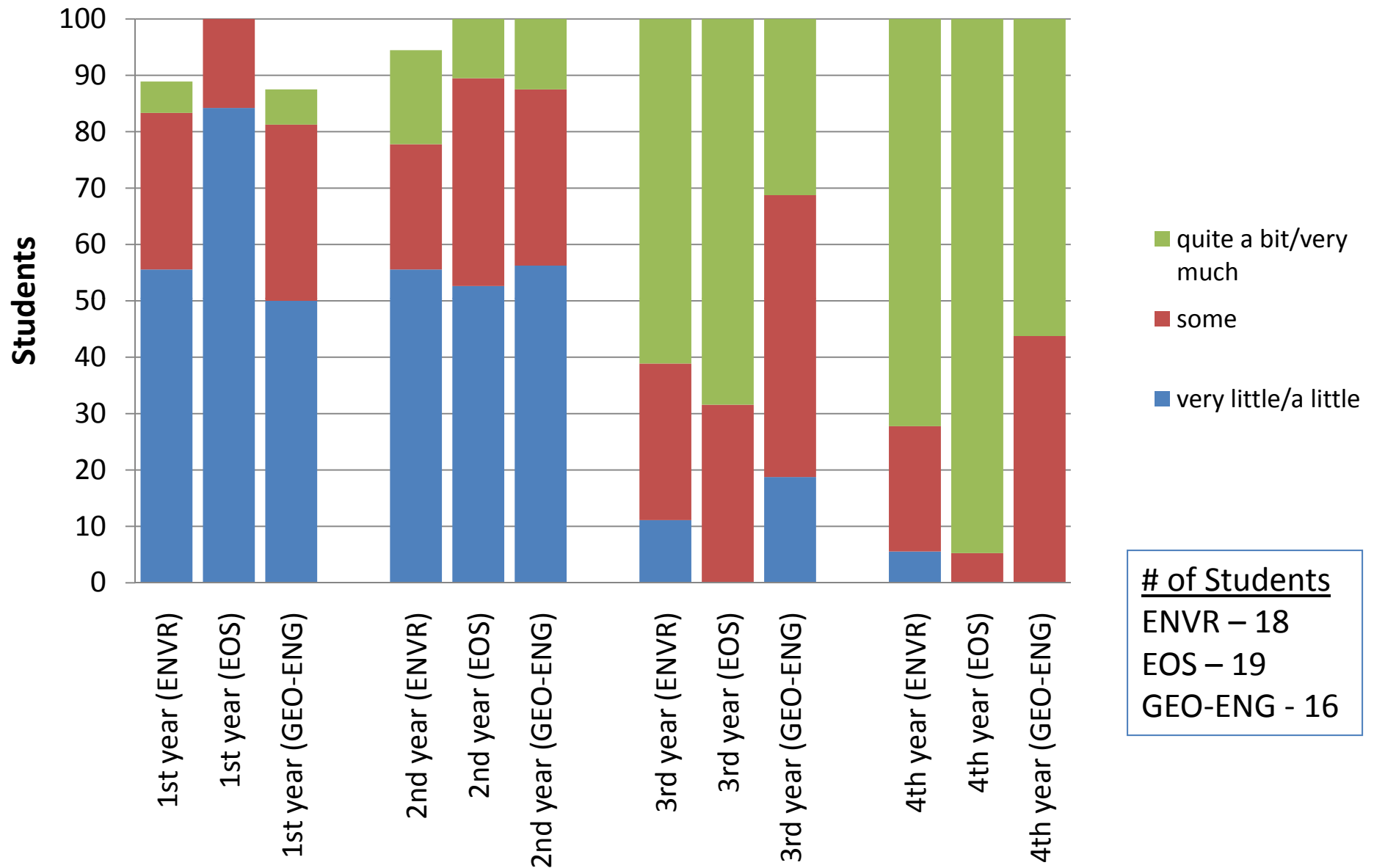




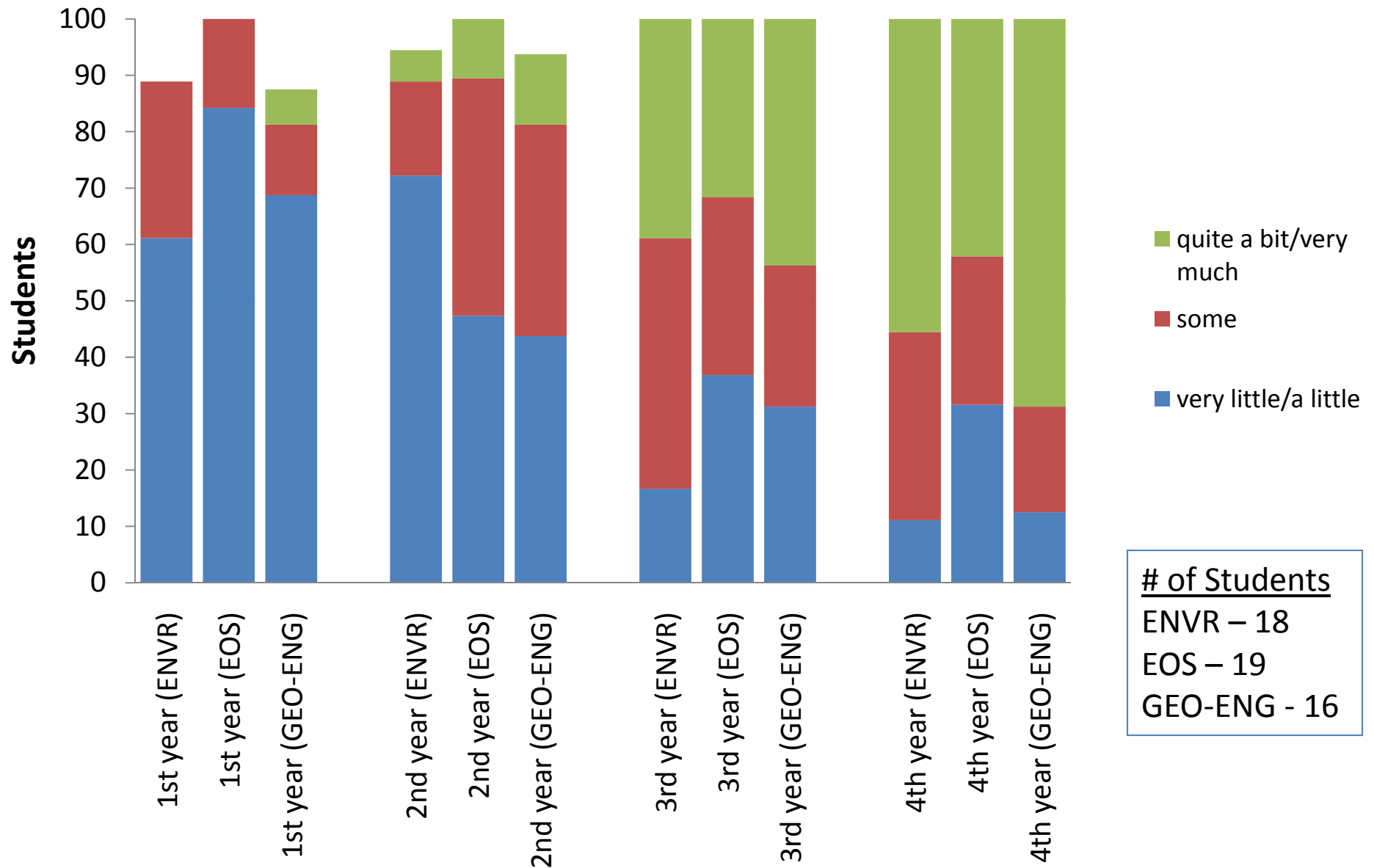
## Q20. How much have EOS courses helped you get better at making inferences from incomplete data?



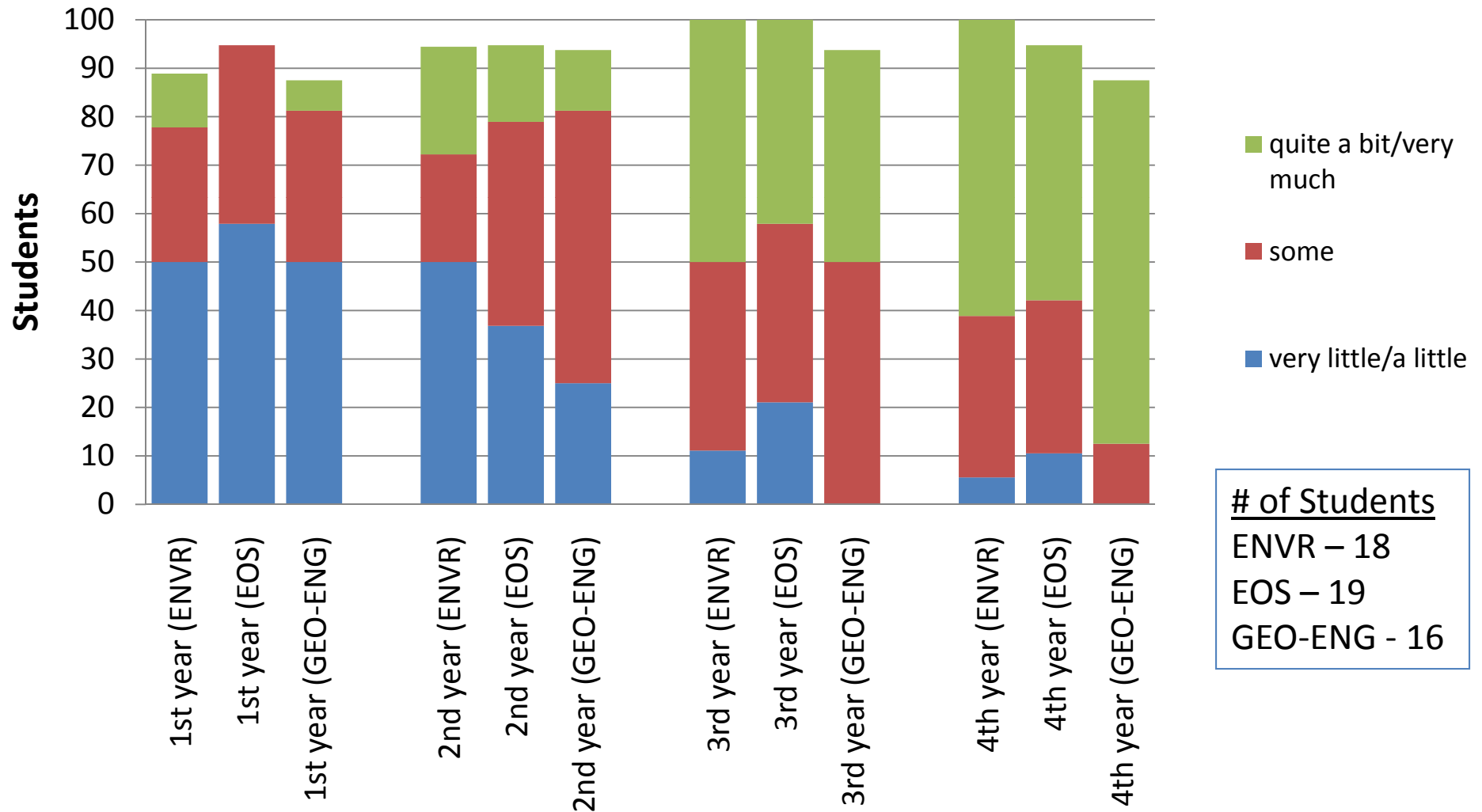
## Q21. How much have EOS courses helped you get better at critically evaluating scientific literature?



## Q22. How much have EOS courses helped you get better at choosing appropriate analysis methods?



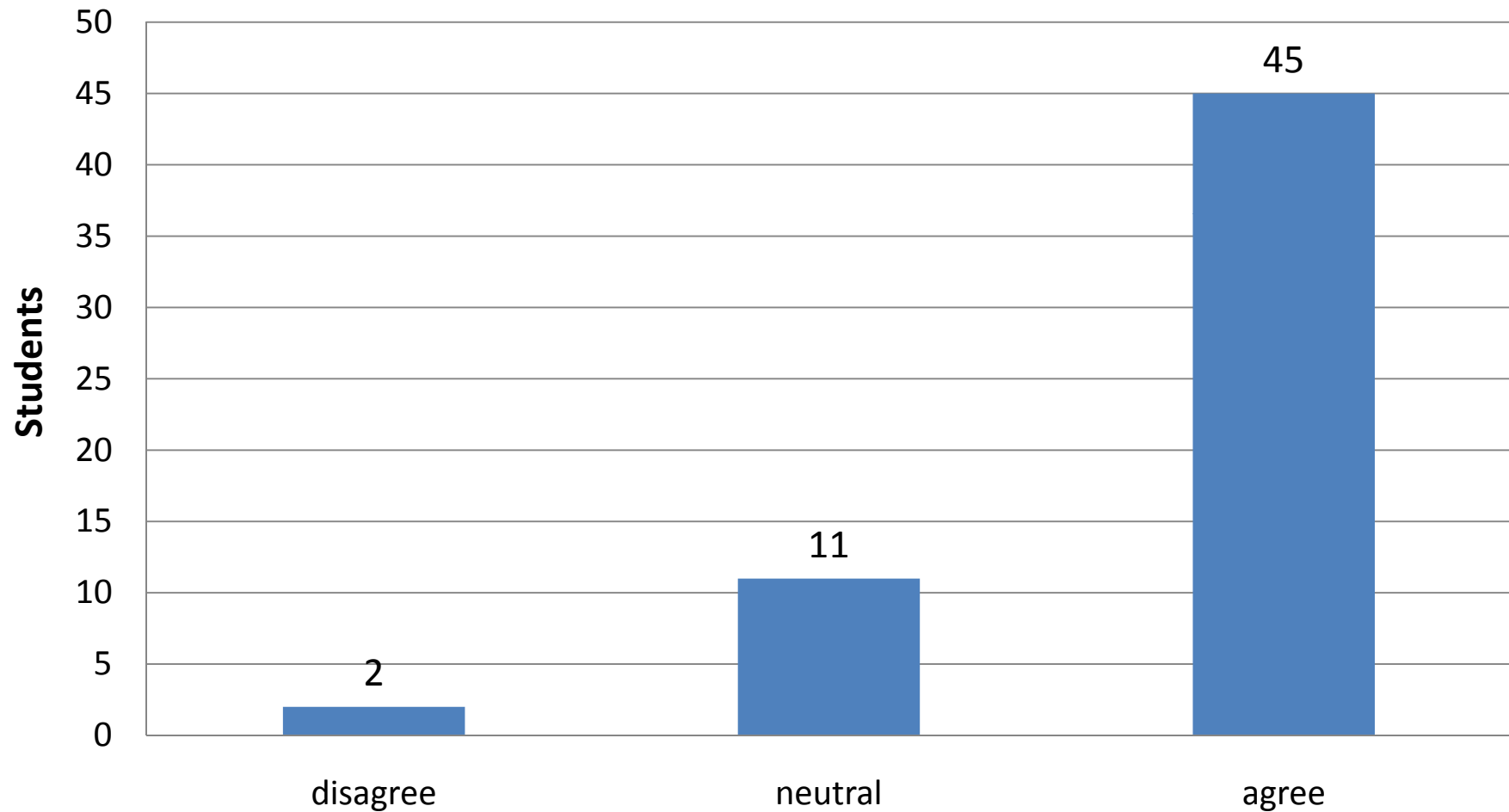
**Q23. How much have EOS courses helped you get better at identifying problems in the real world which can be studied scientifically and asking an appropriate scientific question?**



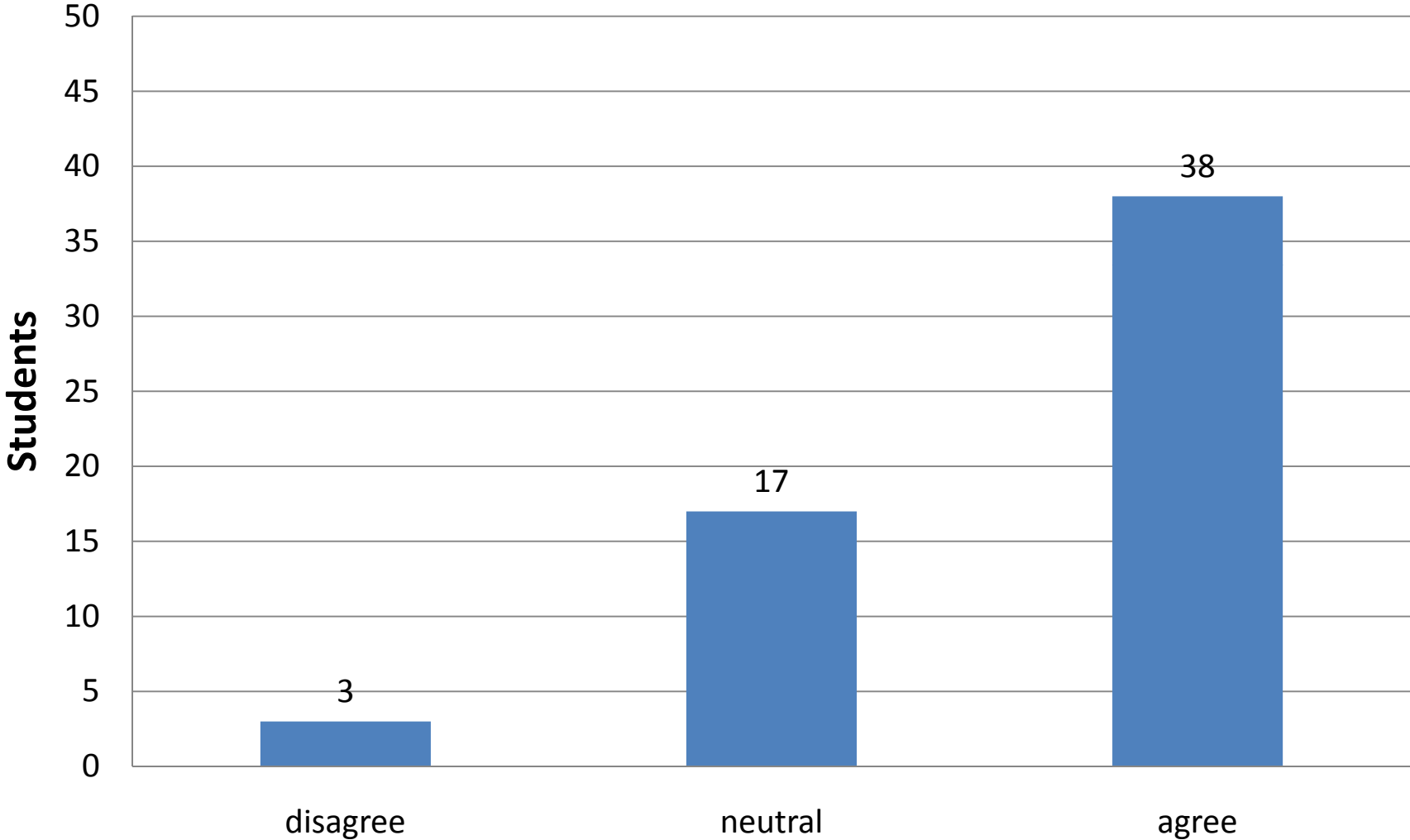
## **Q24. What other skills should be learned in the EOS program?**

- Business (3 votes)
- GIS/ArcGIS/AutoCAD (2 votes)
- Economics (2 votes)
- Instrumentation (e.g. electron microprobe) (2 votes)
- Environmental Law (1 vote)

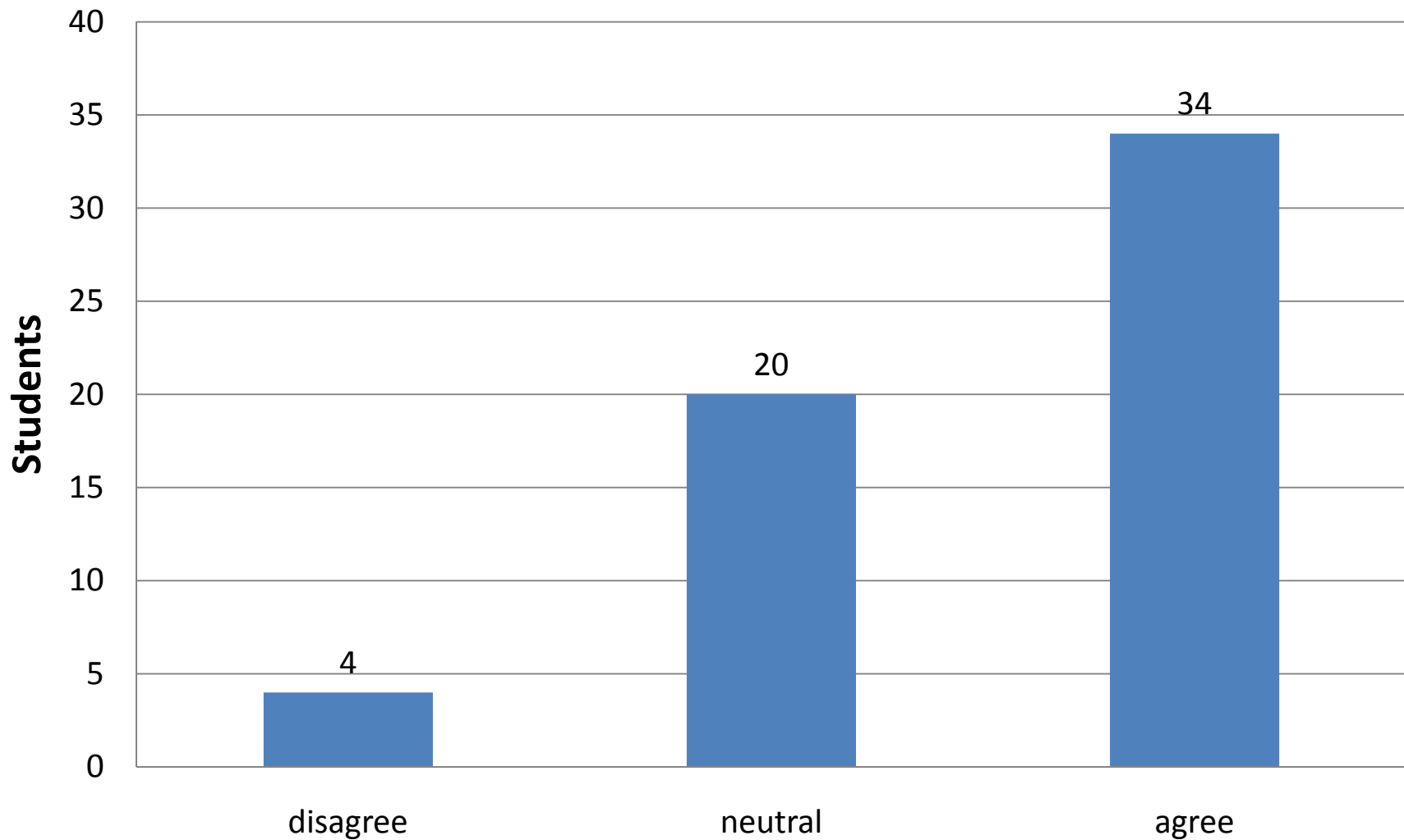
**Q25: The practical/technical skills I learned in the EOS courses seem like they will be useful for my career goals**



**Q26: I felt that the pre-requisites I took adequately prepared me for upper level courses**

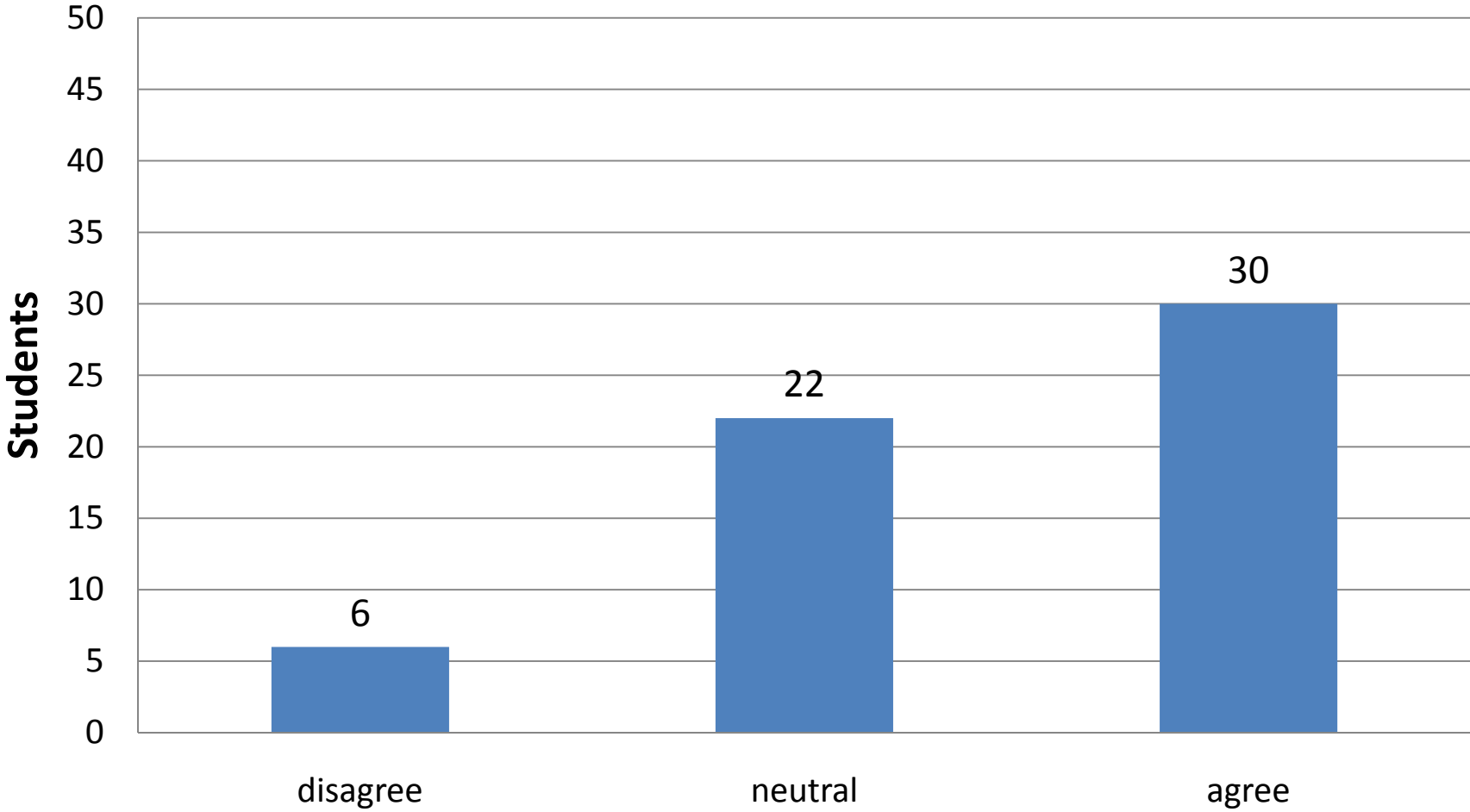


## Q27: I felt that the pre-requisites were adequately enforced by my instructors

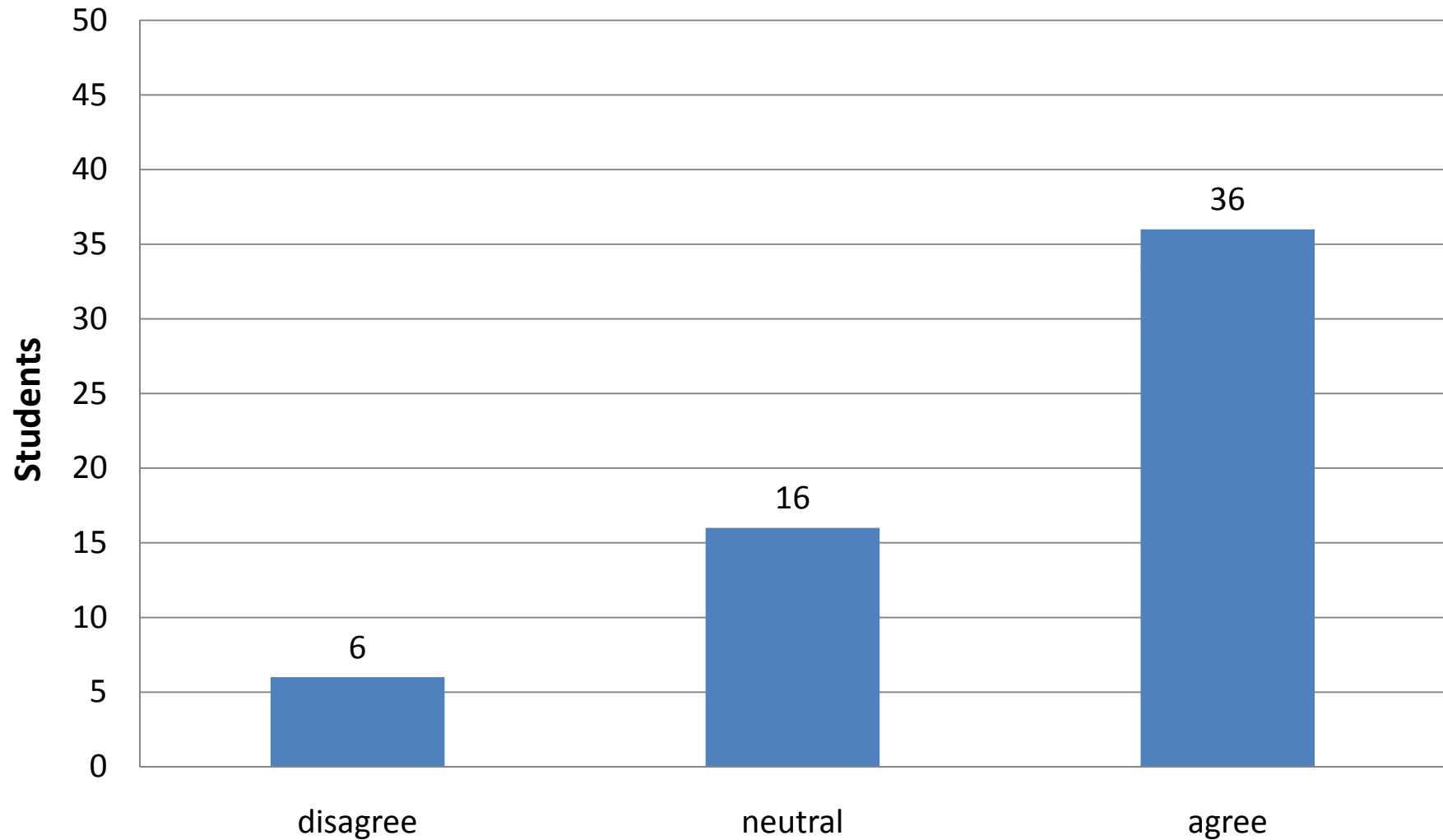




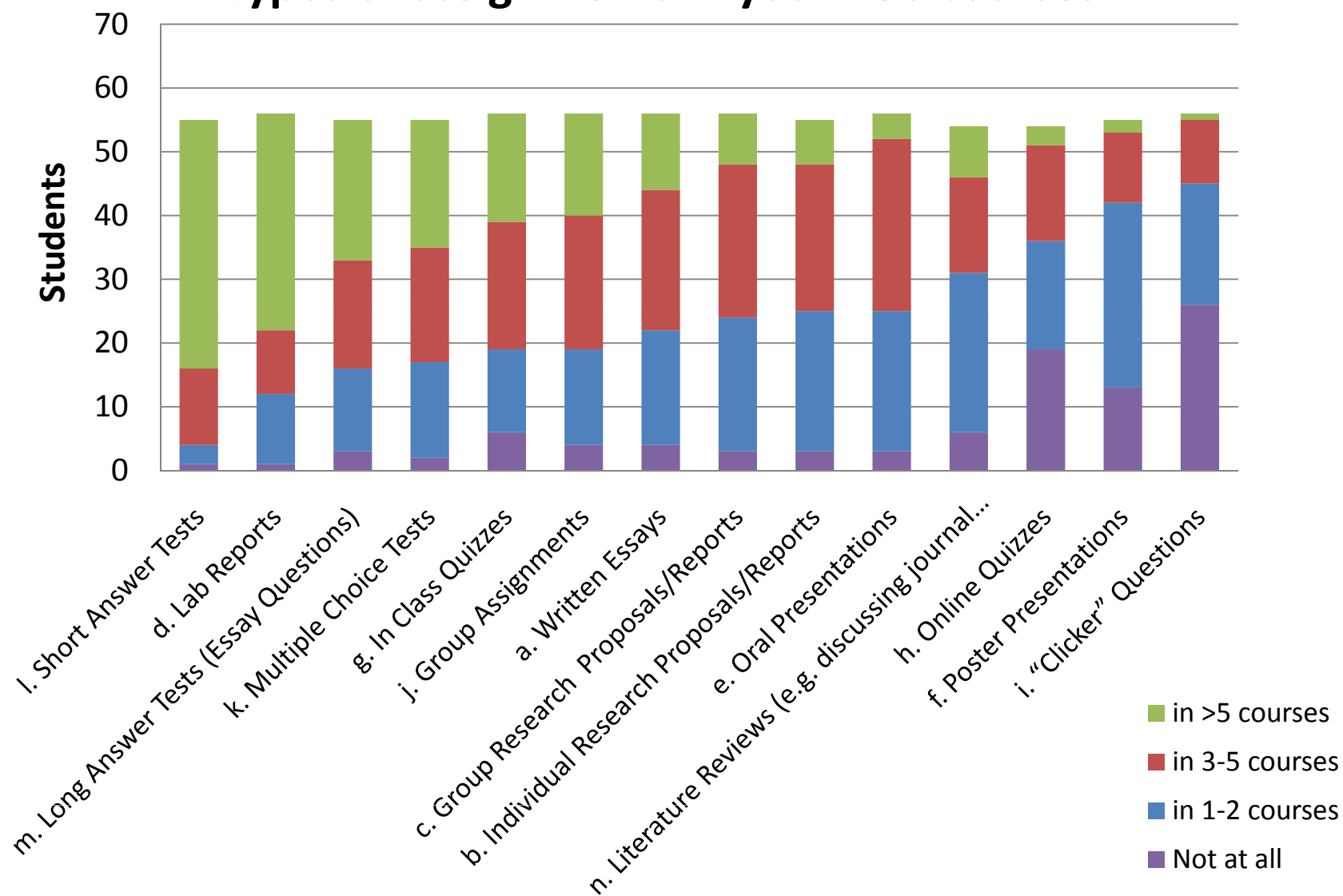
**Q28: I felt that there was a “flow” to the EOS curriculum for my particular program and that the curriculum made sense**



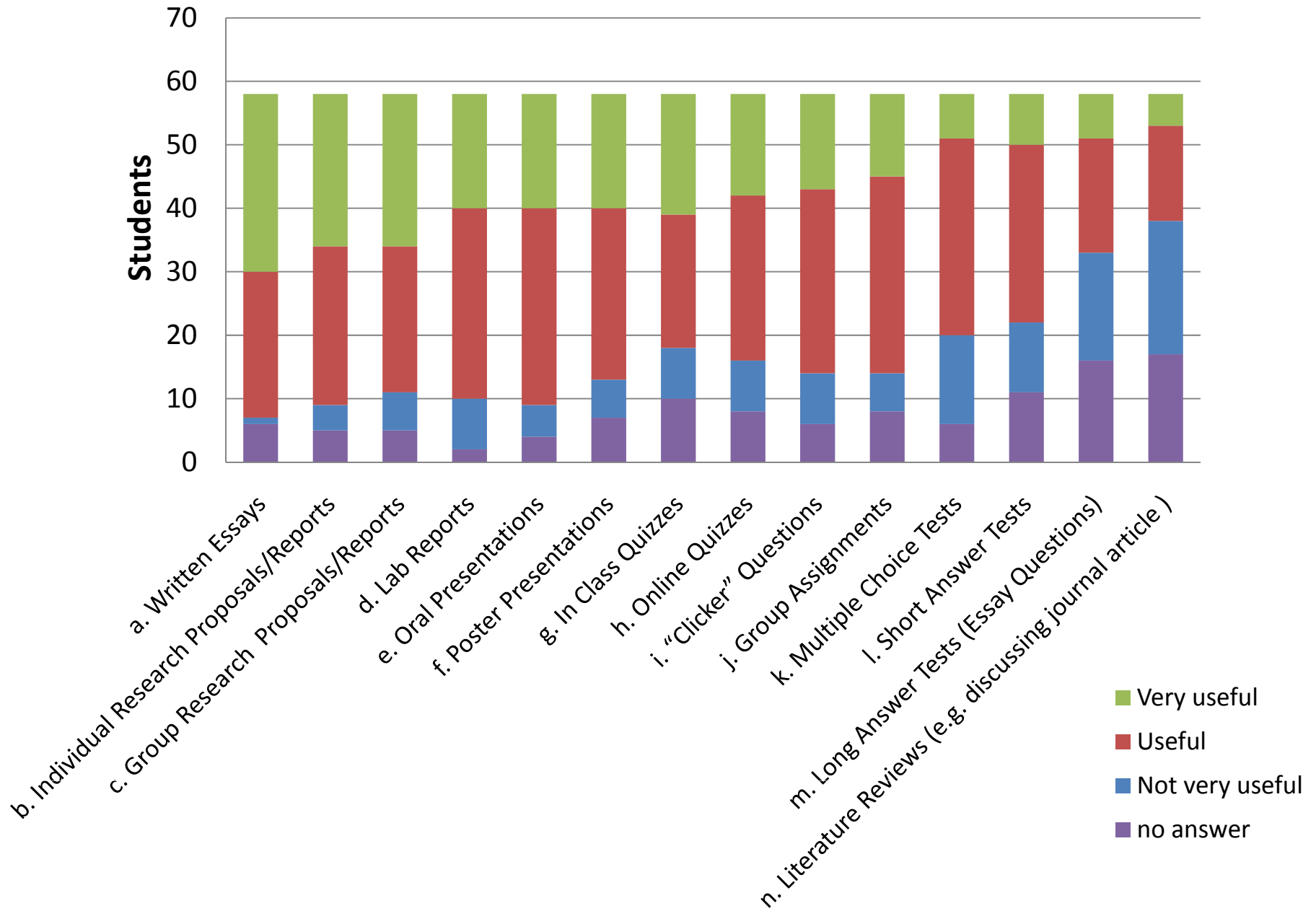
## Q29: Generally, I received adequate feedback on my written assignments in EOS courses



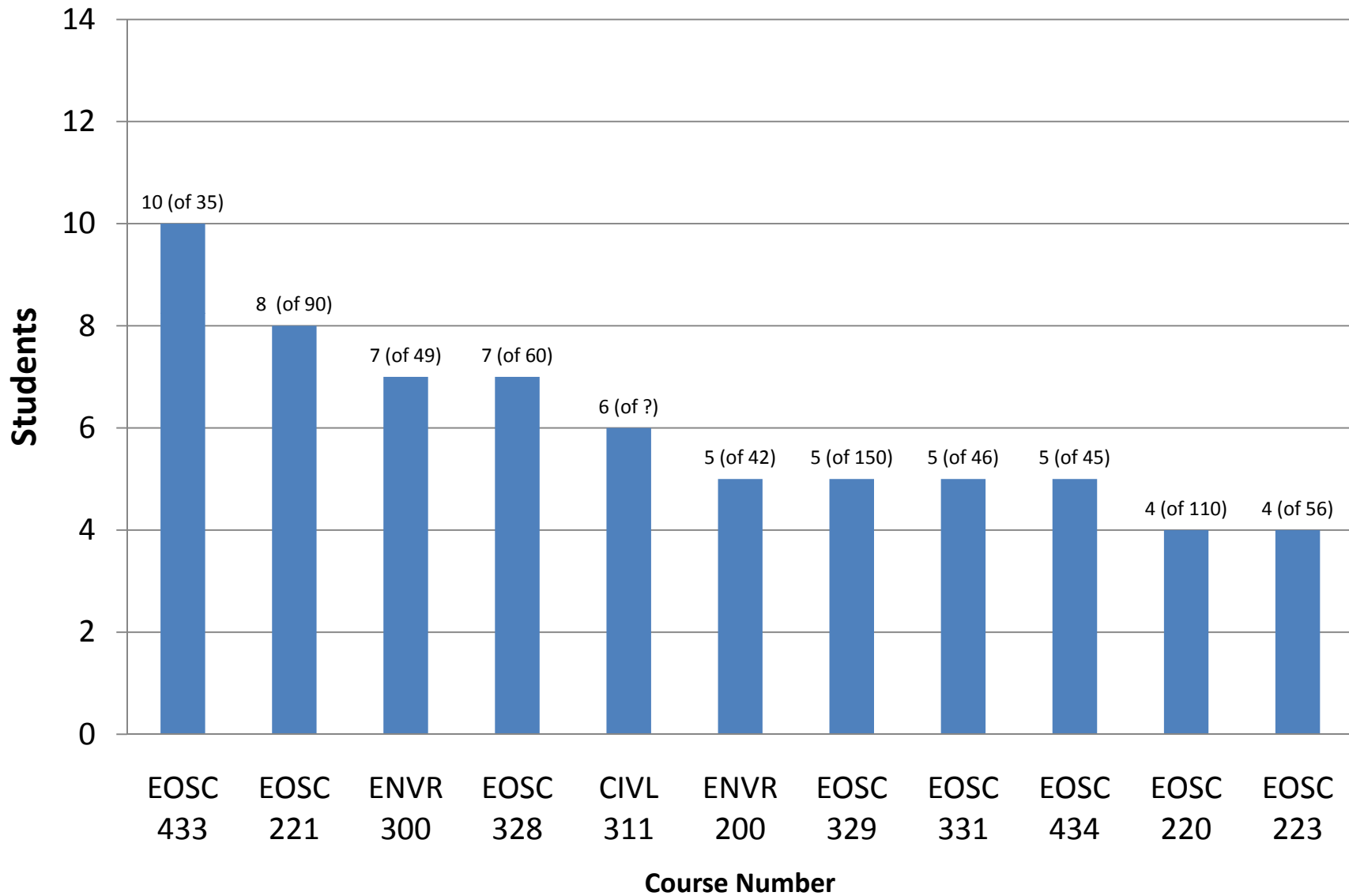
## Q30a: How often did you experience the following types of assignments in your EOS courses?



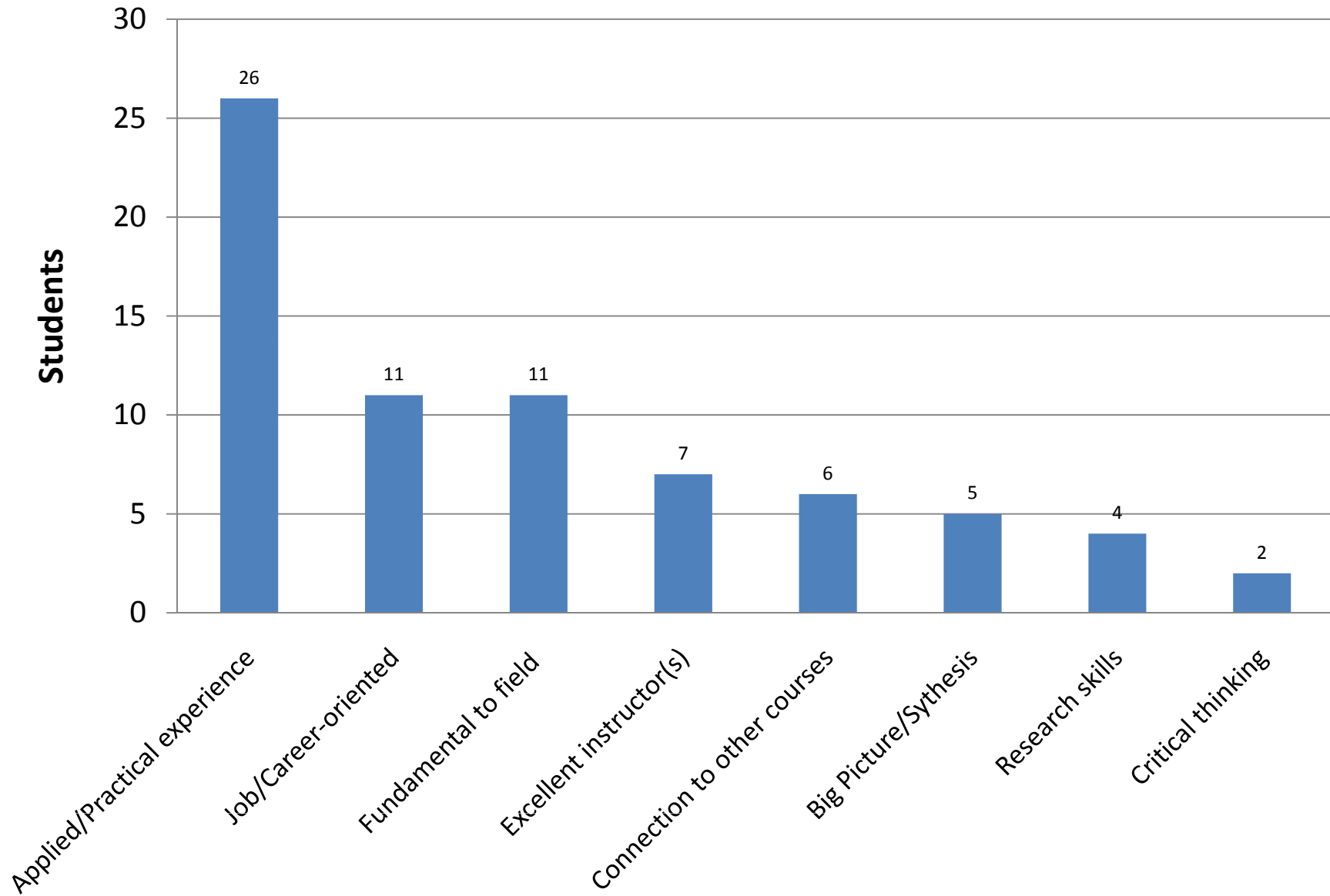
## Q30b: How useful were these assignment types?



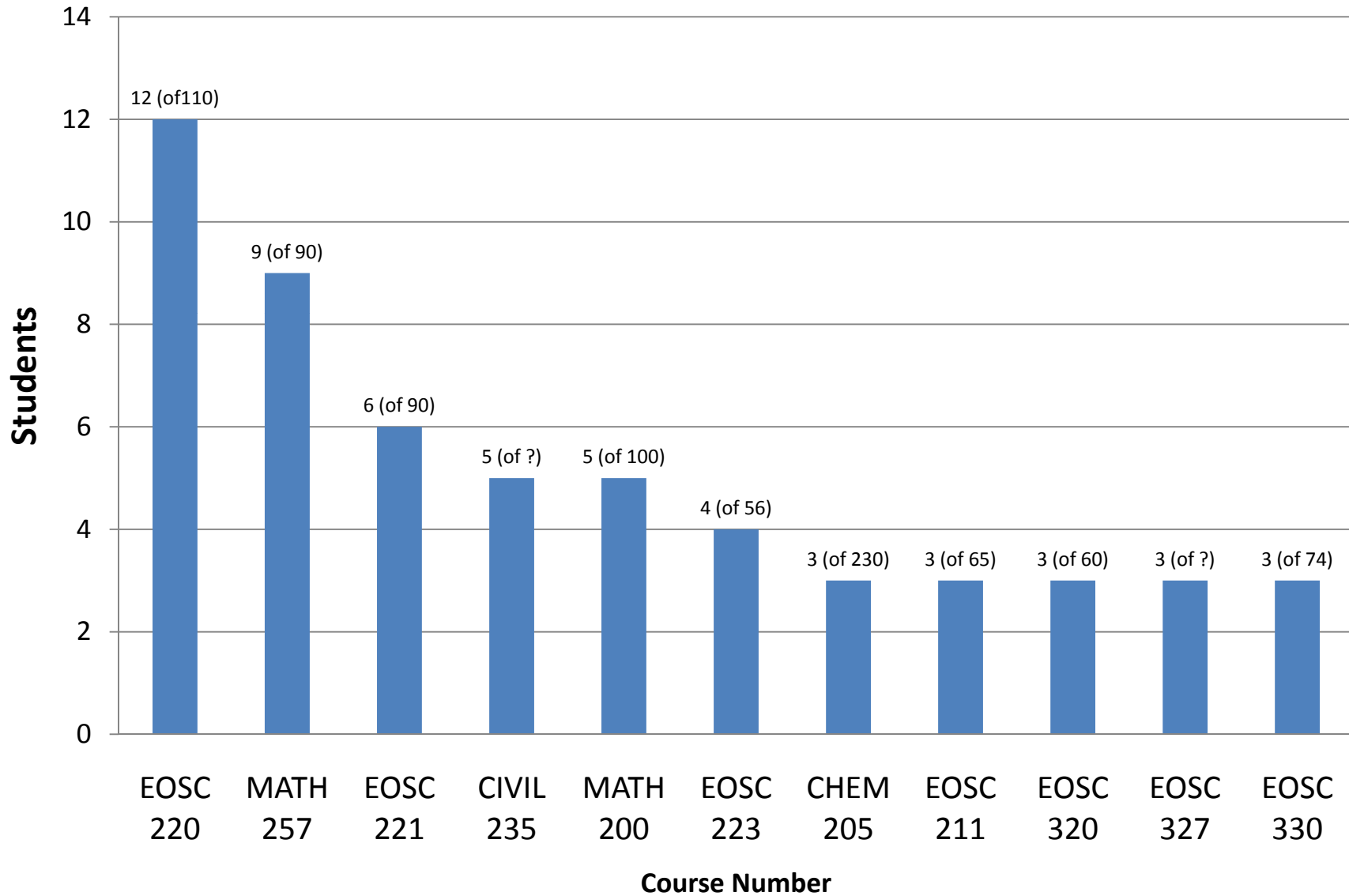
**Q31: What are three courses that you feel were most useful to your degree? (most popular)**



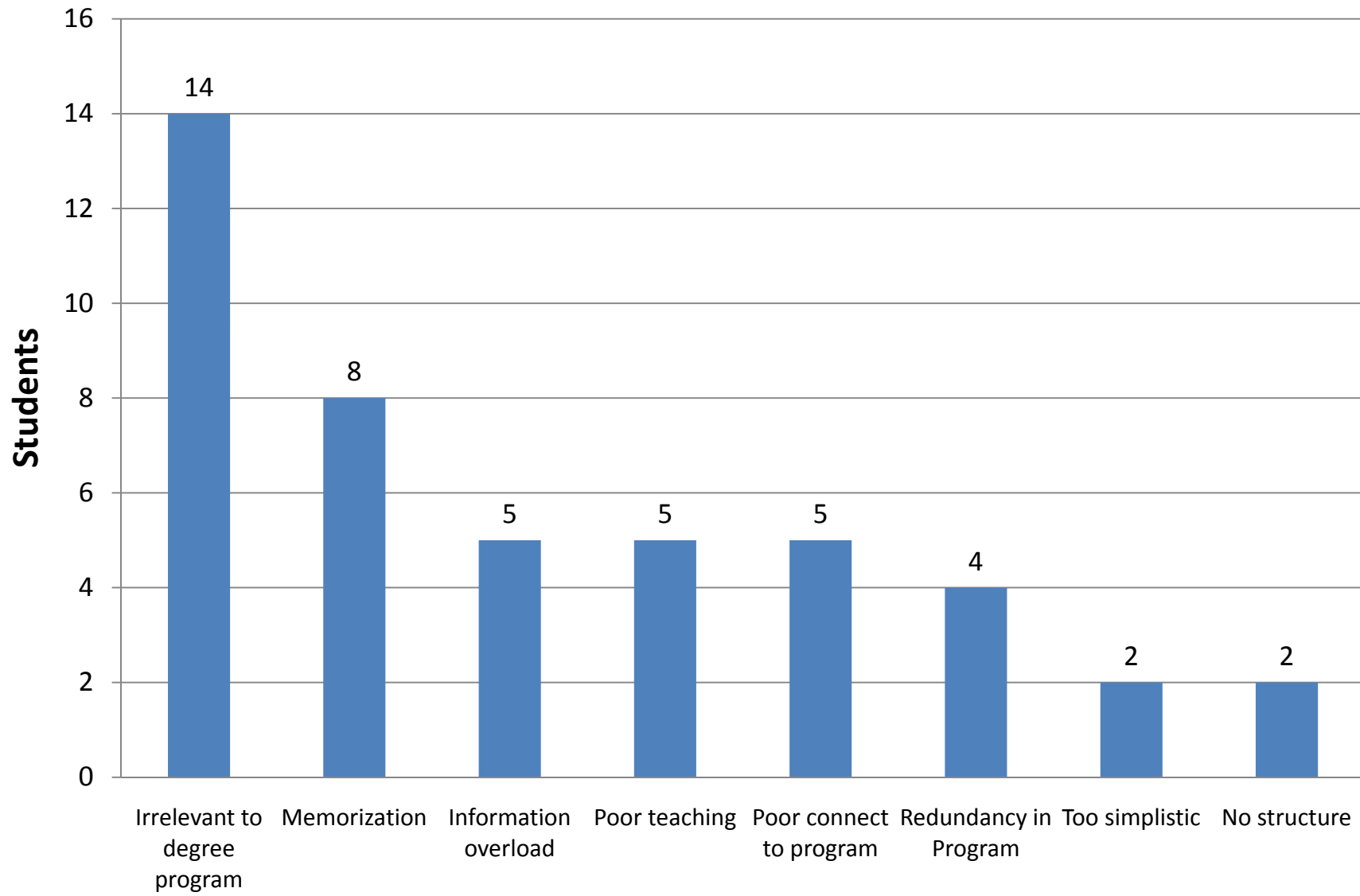
### Q31: What is it about these courses that made them so useful?



**Q32: What are three courses that you feel were should be improved, changed or omitted as a requirement?**

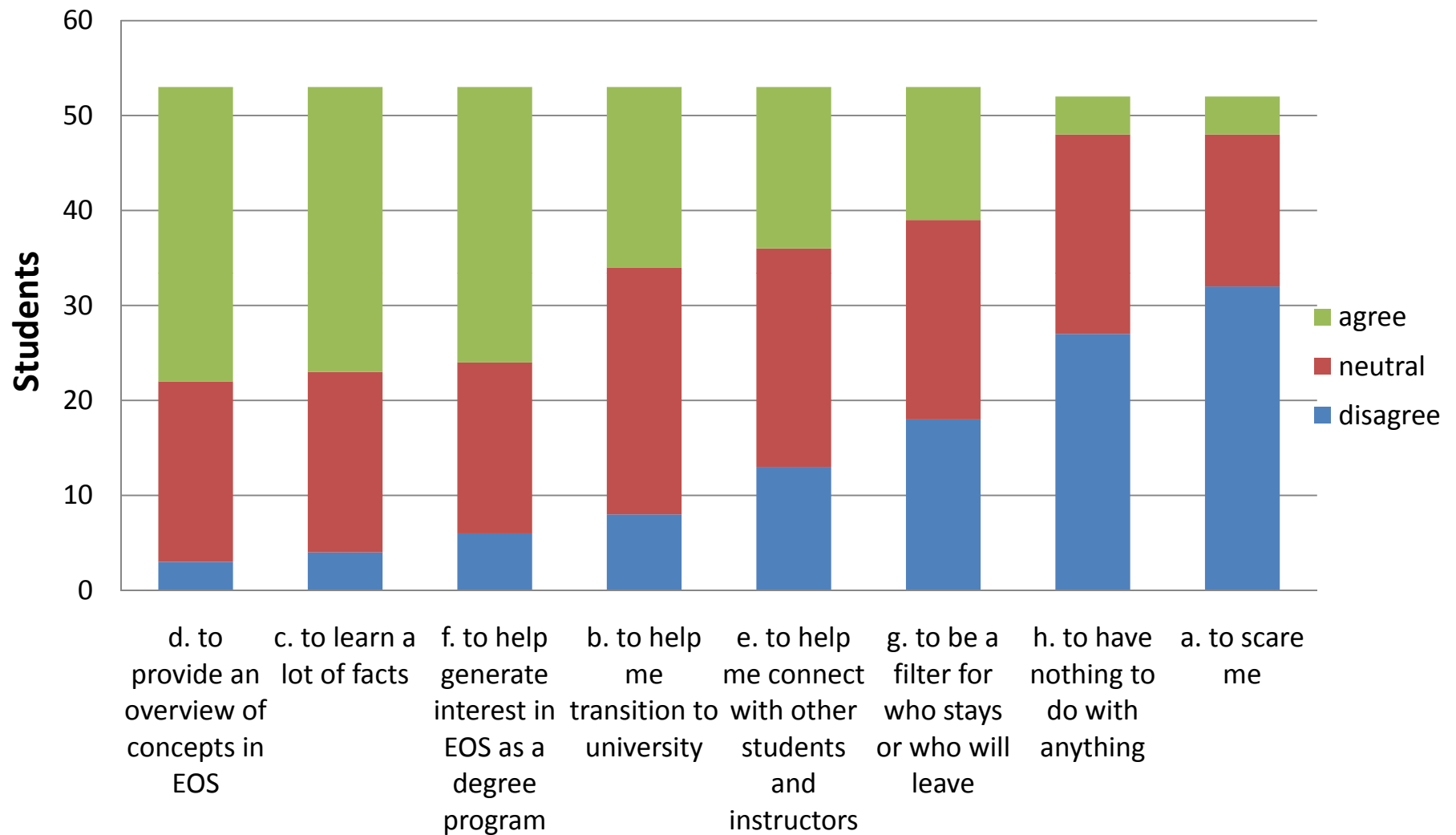


### Q32: What is it about these courses that needs to be improved?

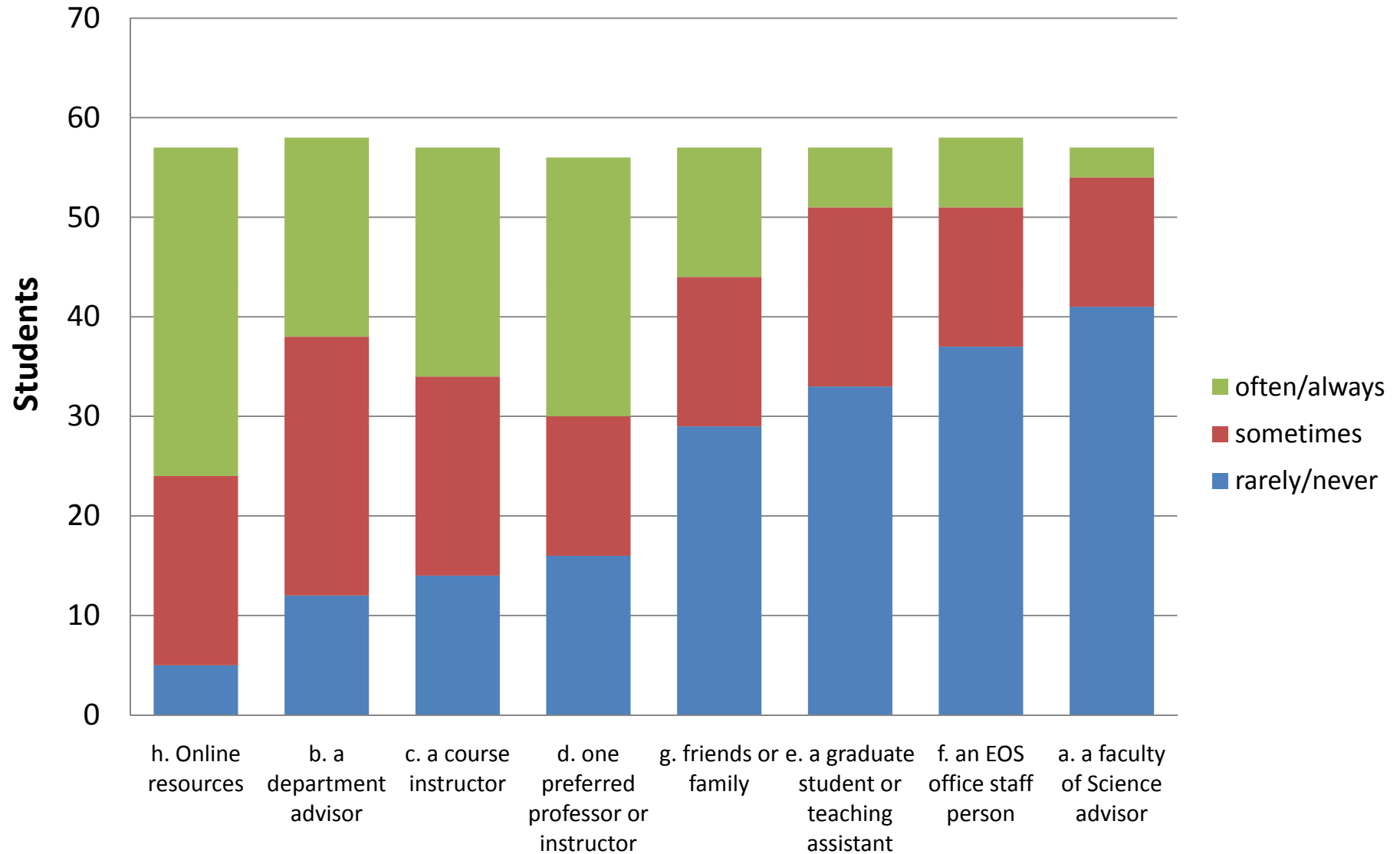




### Q33: For me, the purpose of 1st year EOS courses seemed to be:

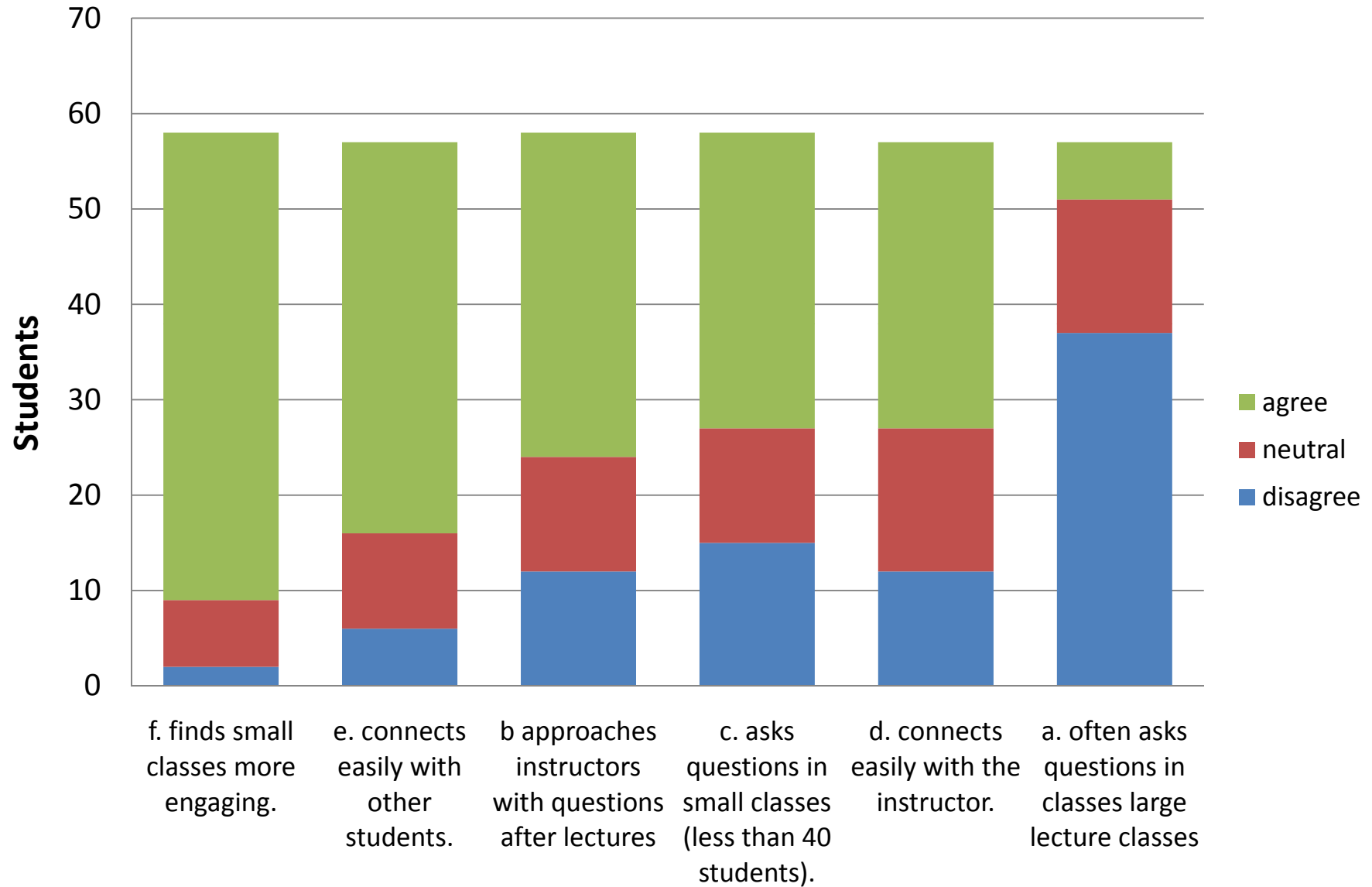


## Q34: When I had a question about the EOS program, I approached:

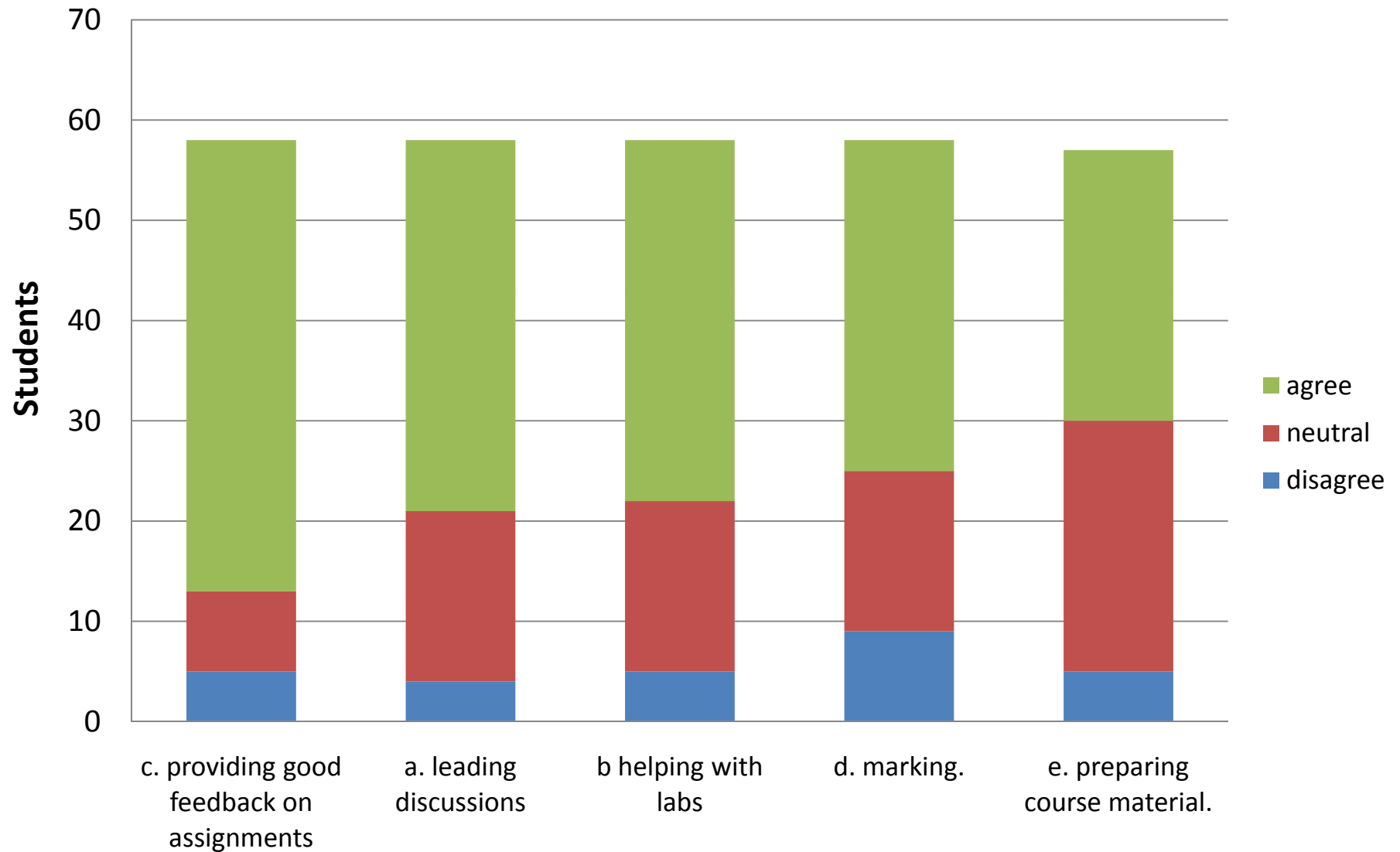


- **Q34: When I had a question about the EOS program, I approached (other):**
  - Students from previous years
  - Current students
  - Front office staff was great
  - I found the advising staff to be unhelpful

## Q35: I am generally the kind of student that...

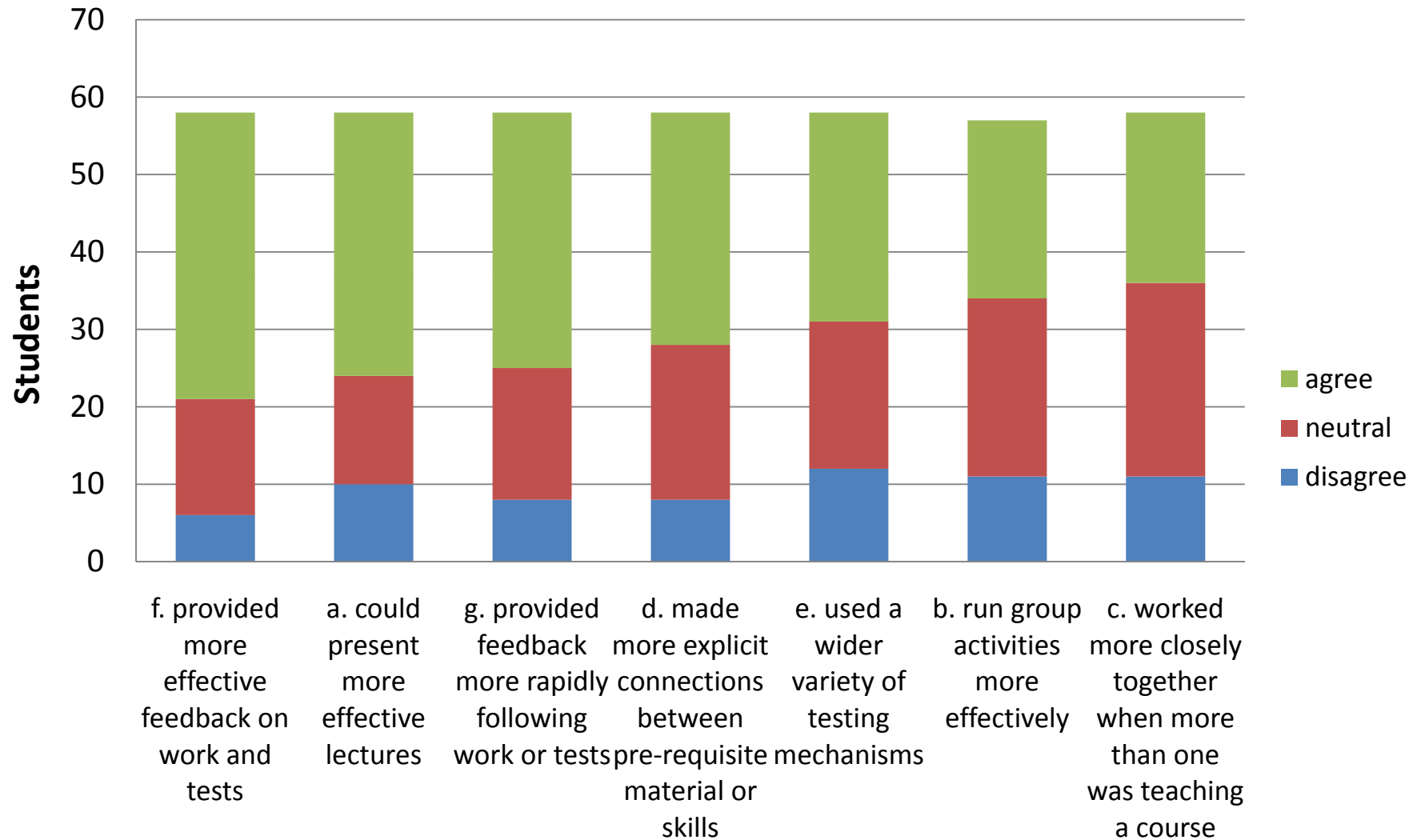


## Q36. Regarding teaching assistants (TAs), I feel they would benefit from more training / practice in ...



- Q36 TAs would benefit from (comments for other):
  - TAs should have recently studied the subject matter.
  - TAs should develop a good rapport with students.
  - General Communication skills, importance of clarity when explaining concepts.

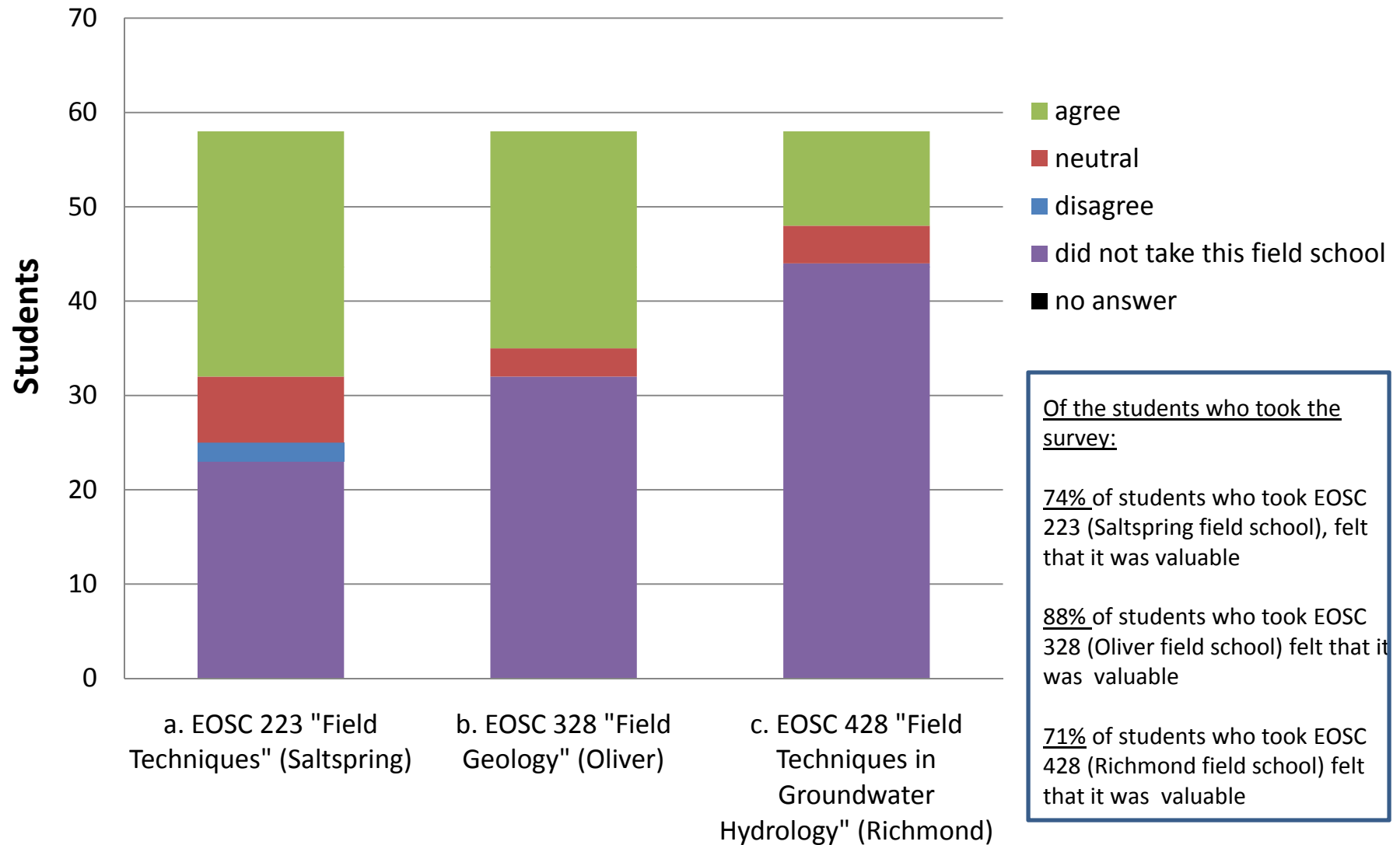
## Q37. Regarding professors in EOS, I feel the program would benefit if they...



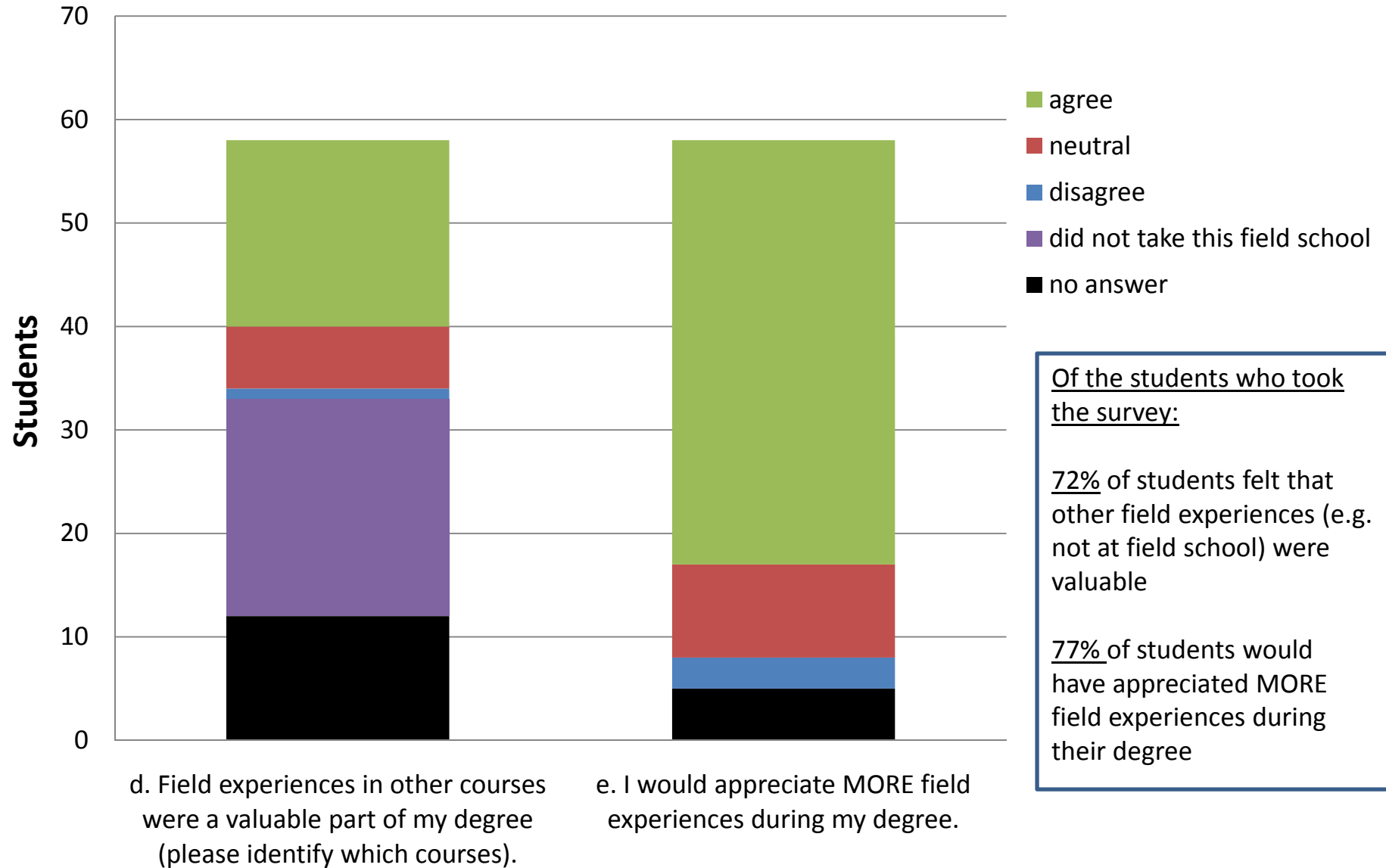
- Q37 Professors would benefit from (comments):
  - Have more quizzes during the semester to stimulate thinking.
  - Overall, I found that EOS professors were more than qualified and knowledgeable, and most of them taught very effectively.
  - Stop using PowerPoint as a crutch. Lectures based on recycled powerpoints frequently evolve into unorganized rambling.



## Q38. My experiences in the following field courses were a valuable part of my degree:



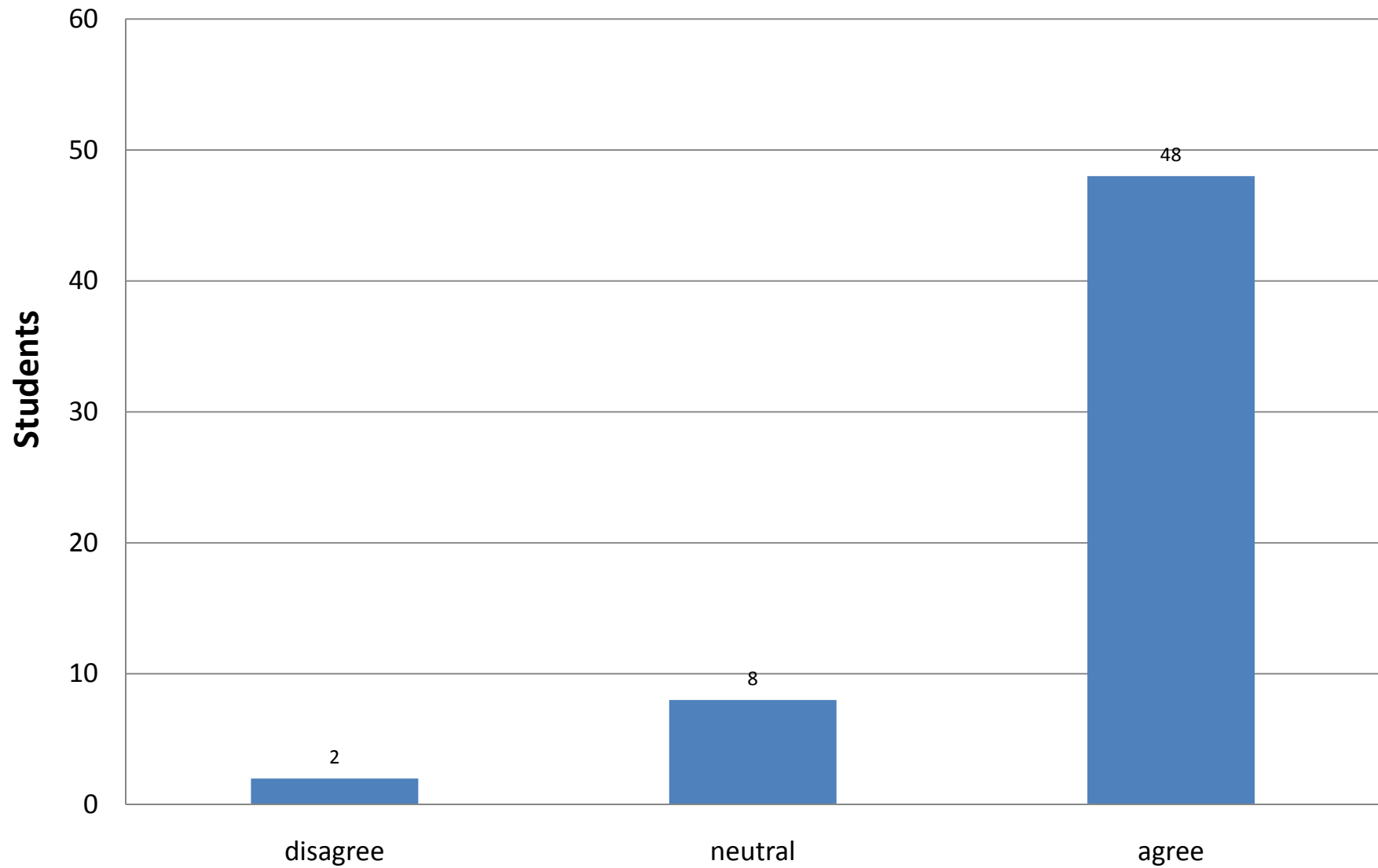
## Q38. Field Experiences



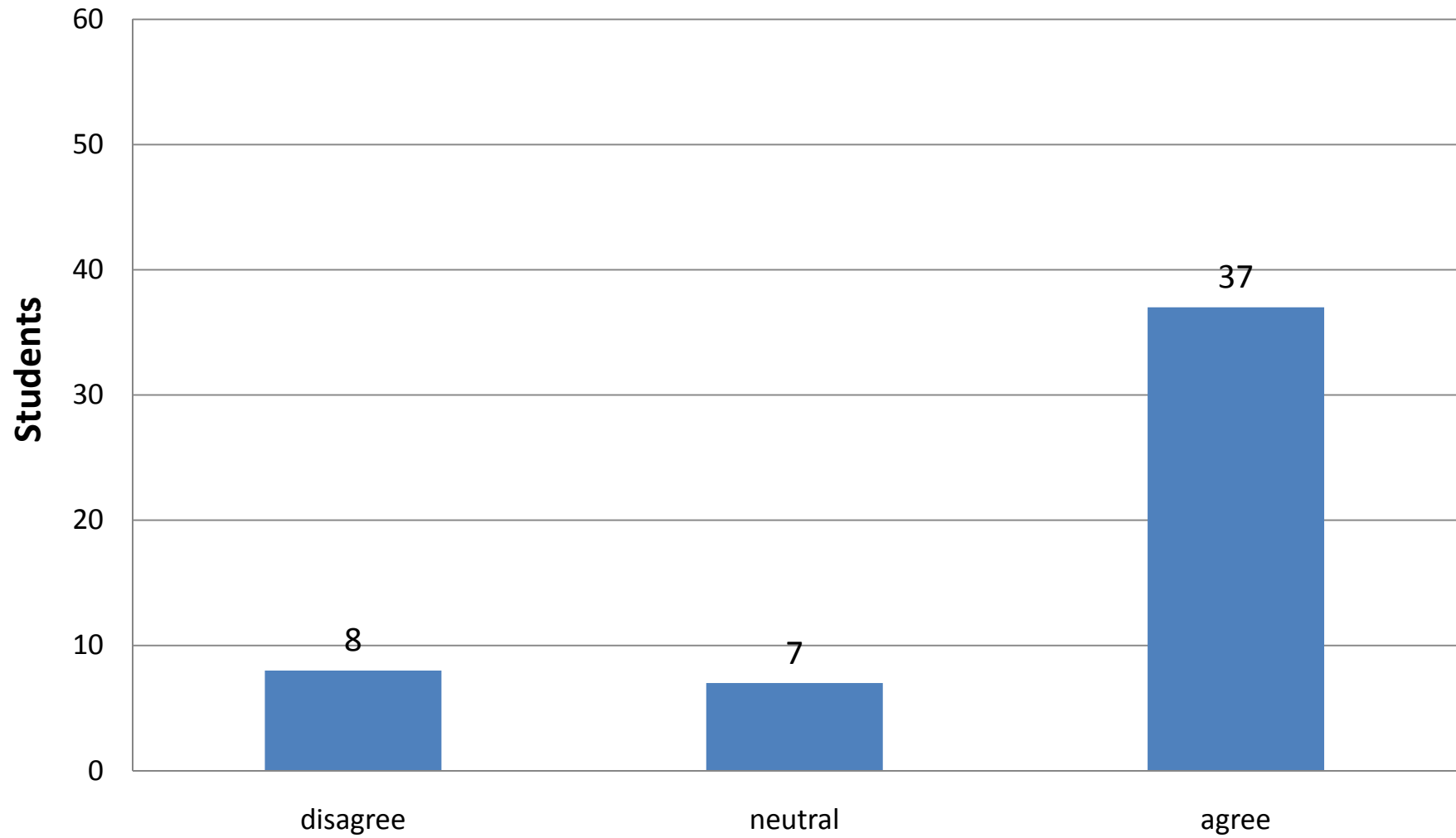
Q38 – Other Valuable Field Experiences (values indicate number of responses):

- BIOL 402 Aquatic Ecology - 1
- BIOL 404 Ecological Methodology - 1
- BIOL 405 Marine Ecology - 1
- BIOL 406 Plant Ecology - 1
- BIOL 409 Ecology Field Course - 3
- BIOL 427 Terrestrial Vertebrate Zoology - 1
- CIVL 235 Plane Surveying - 5
- ENVR 200 Env. Sci. I - 1
- ENVR 300 Env. Sci. II - 1
- EOSC 221 Petrology - 1
- EOSC 320 Sedimentology - 1
- EOSC 420 Volcanology - 5
- EOSC 421 Adv. Sed - 1
- EOSC 422 Structural Geol. - 1
- EOSC 424 Adv. Ore Deposits - 2
- EOSC 430 Aqueous Geochemistry - 1
- EOSC 473 Methods in Oceanography - 1
- GEOG 306 Hydrology - 1
- GEOG 308 Quaternary and Applied Geomorphology - 1
- GEOG 309 Geographical Biogeosciences Field Course - 1

## Q39. I enjoyed studying EOS at UBC

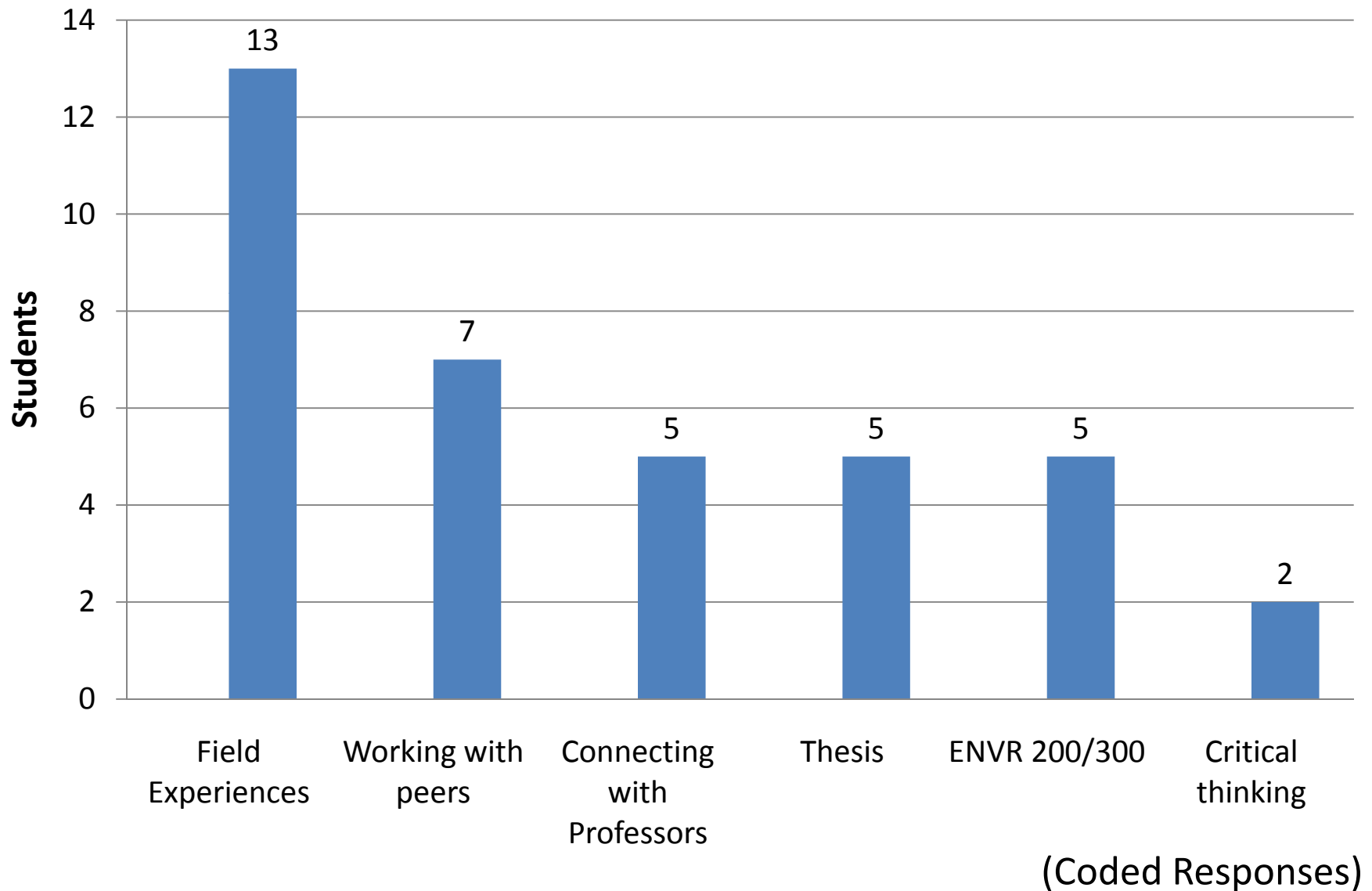


**Q40. I experienced a strong sense of community in the EOS program**

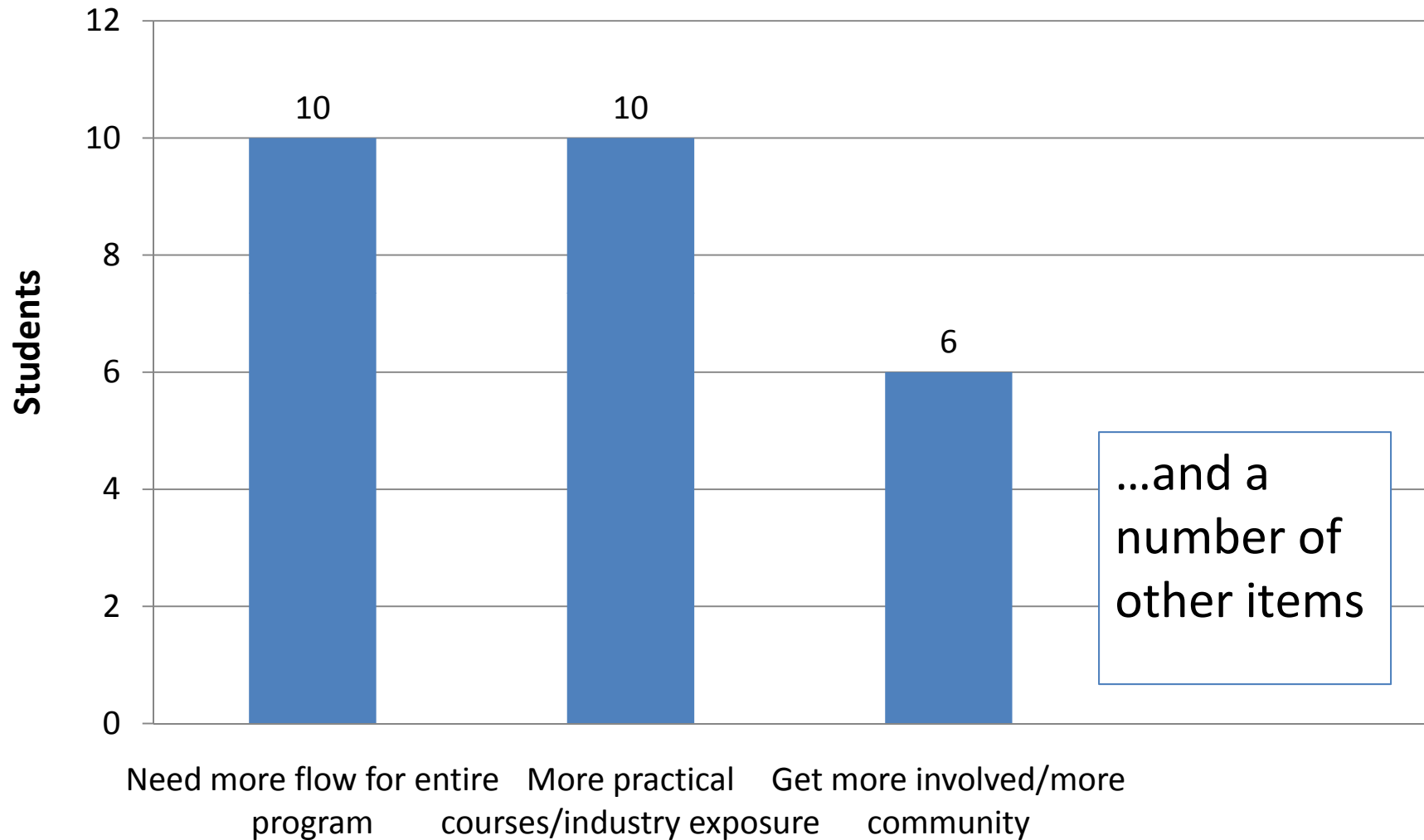


- Q41 – How might community be enhanced within the EOS program?
  - Coding glitch occurred, no data collected for this question.

## Q42. The most positive learning experience I had within EOS was:



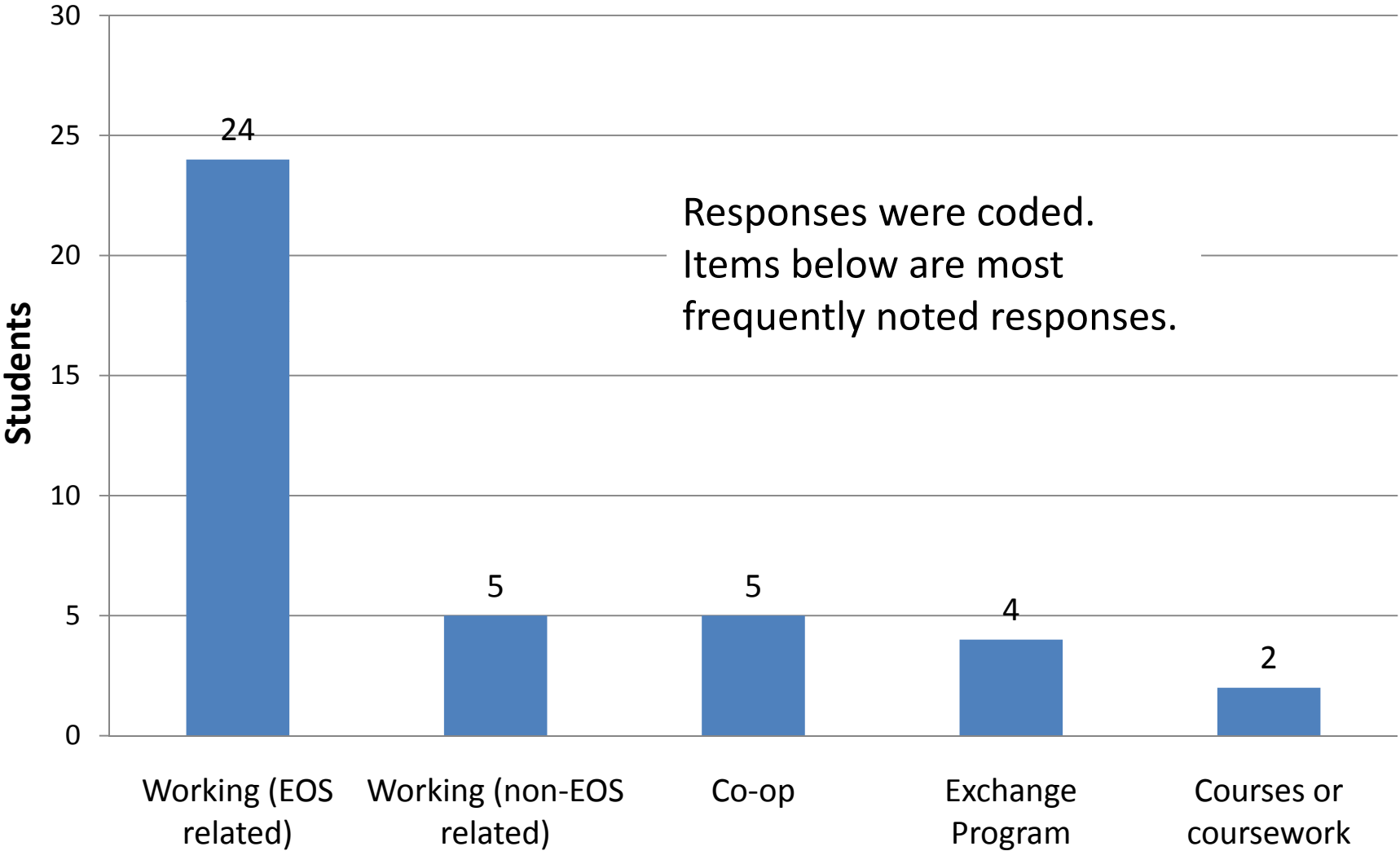
## Q43 and Q44. If I could change one thing about my learning experience in EOS it would be:



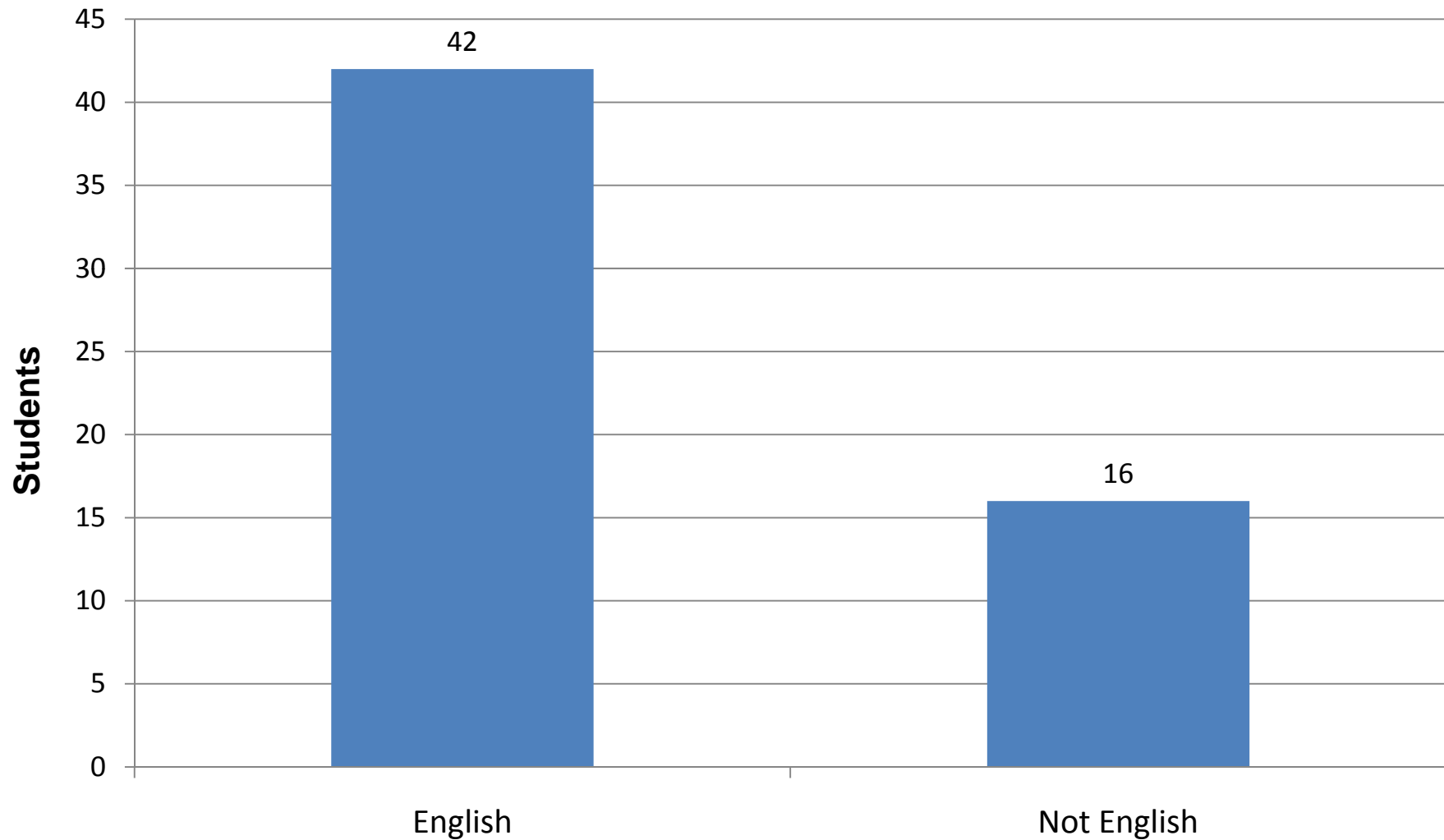
(Coded Responses)



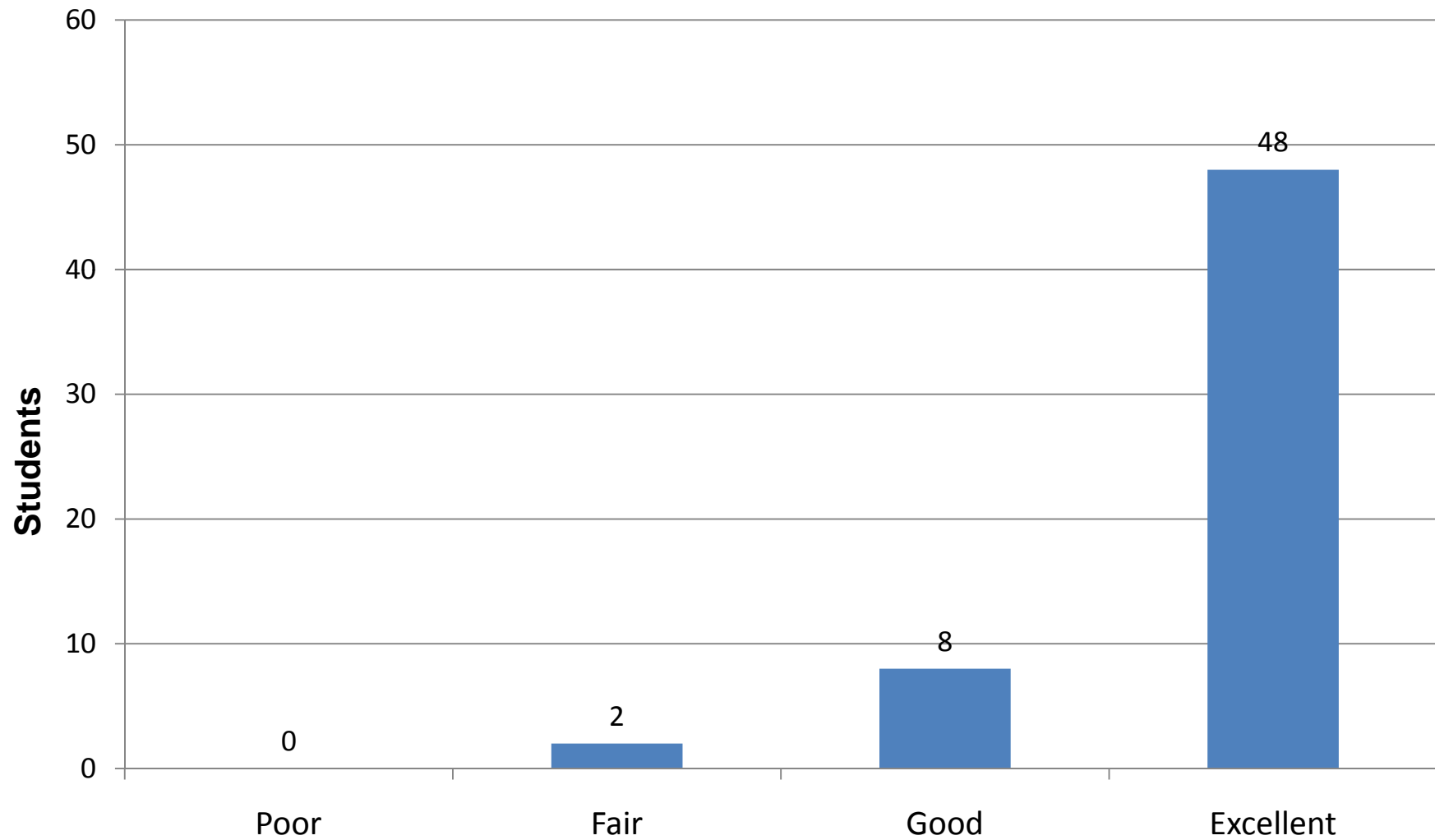
**Q45. What was the most significant learning situation RELATED TO YOUR DEGREE that you experienced OUTSIDE OF UBC?**



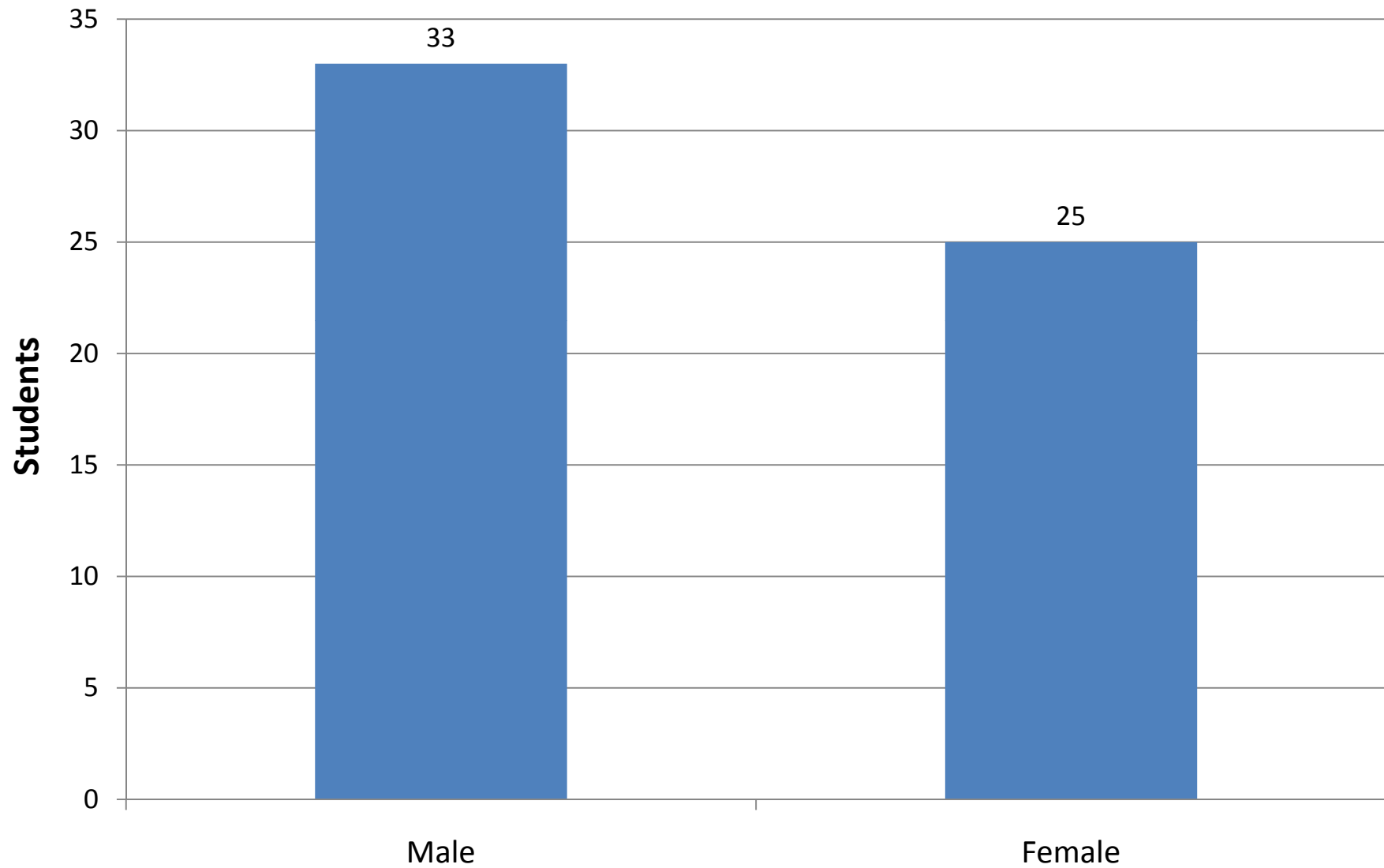
## 46. Which was the first language spoken in your household while growing up?



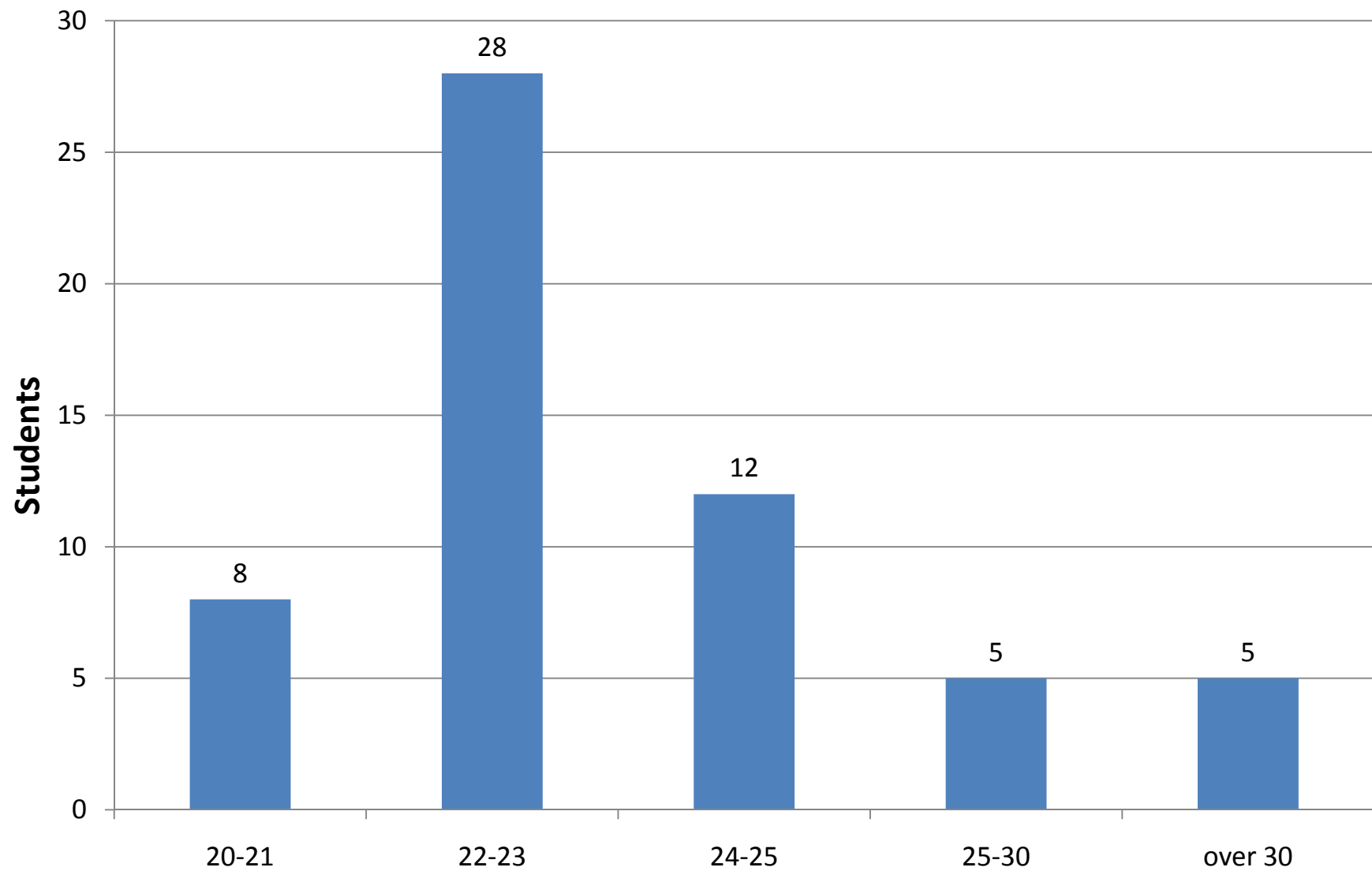
## 47. How would you rate your ability to read and write in English?



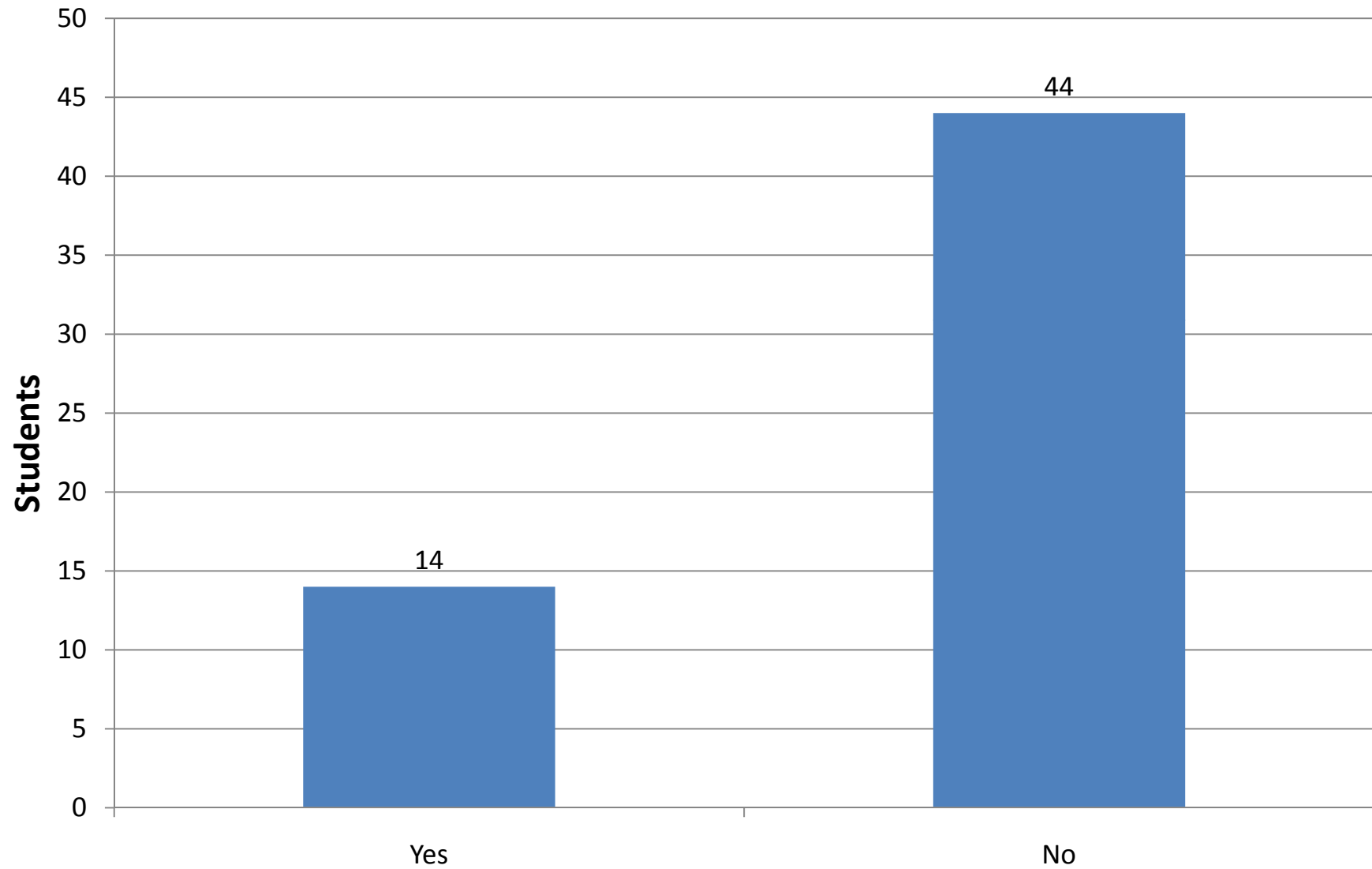
## 48. What gender are you?



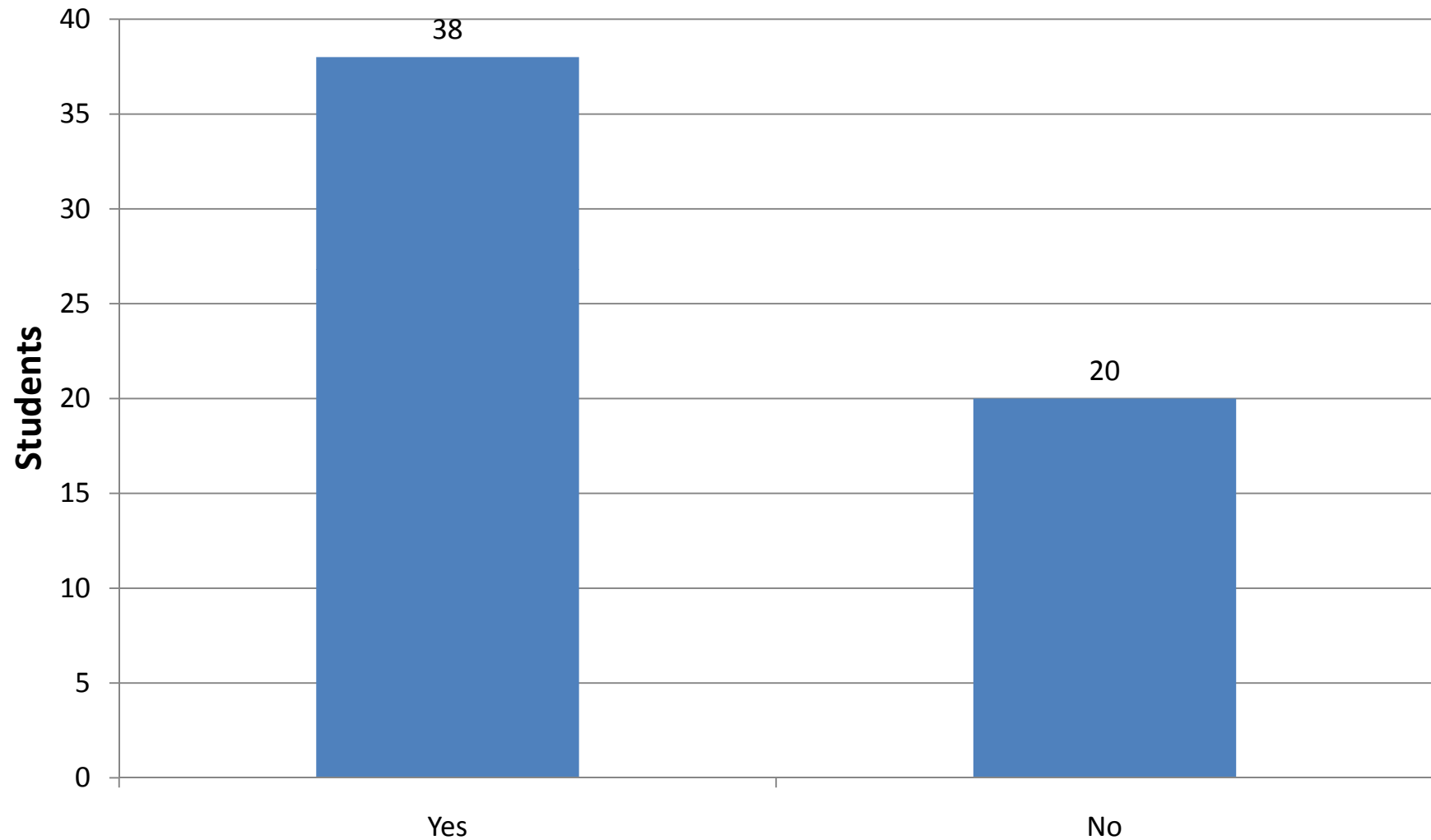
## 49. What is your age?



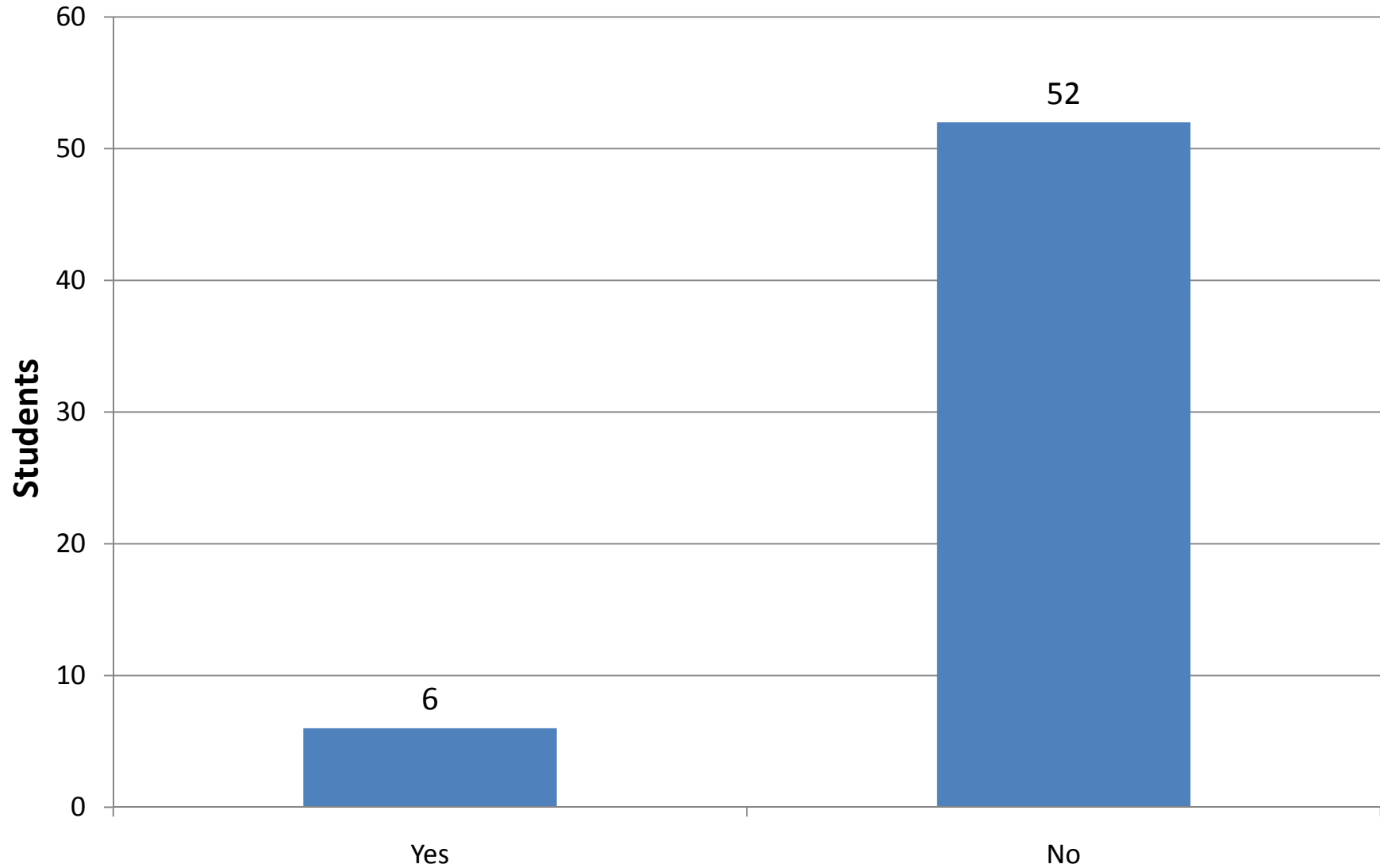
## 50. I was a transfer student to UBC



## 51. I have had to work in order to pay for my education

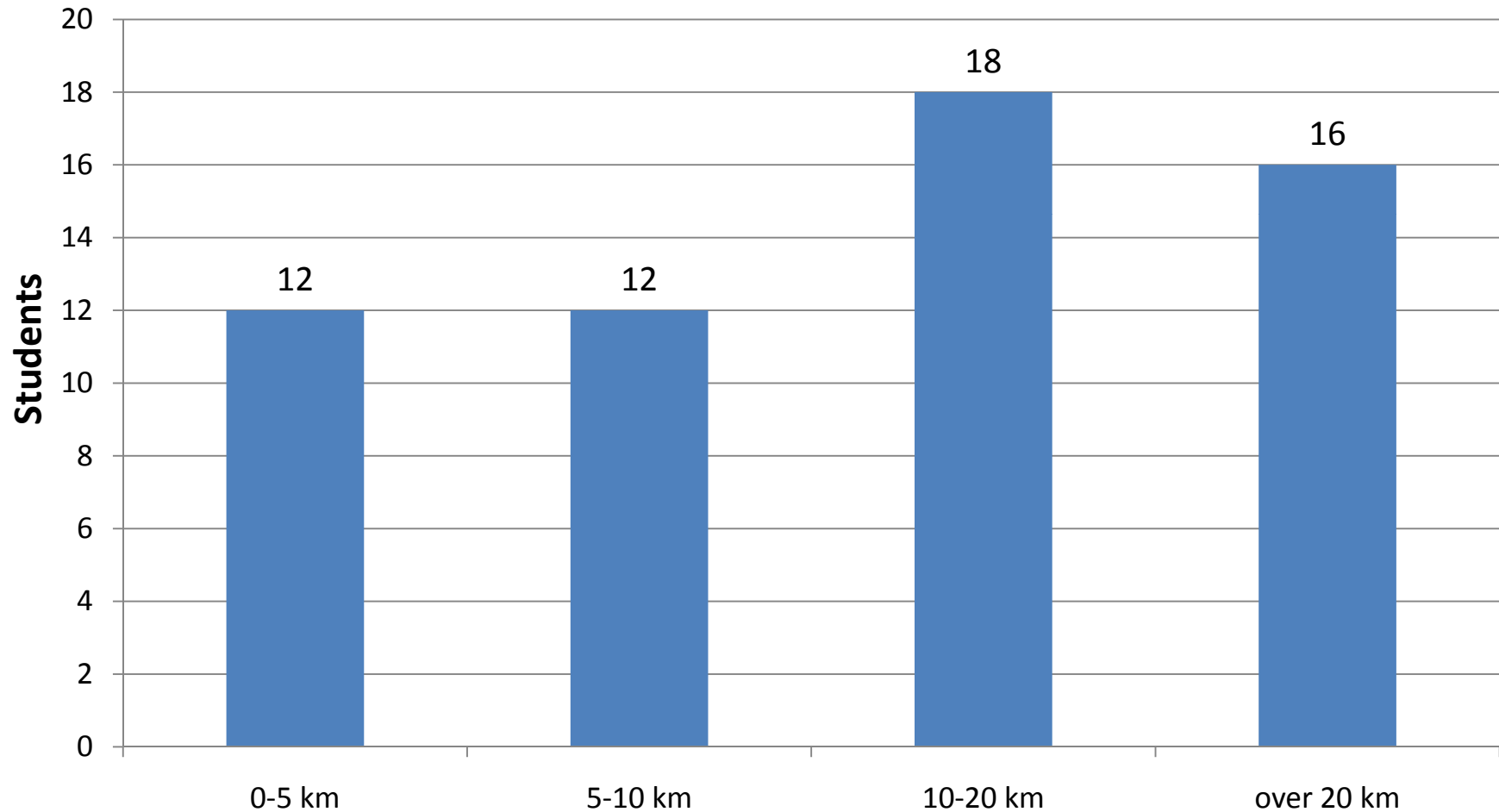


**52. I provided some financial support for my children/spouse/family members in addition to going to UBC**





**53. What was the longest cummute (in km) you had to make regularly (for at least 1 term) while at UBC?**



## 54. Roughly how long did you spend working on this survey?

