

Math 220 Student Survey (Winter 2008)

This survey is intended to give us a better understanding of your experience and learning in Math 220 and will be used to improve this course. It is completely voluntary and anonymous.

1) When did you take Math 220?

- m 2008 - Winter Term 1 (Sept-Dec 2009)
- m 2008 - Winter Term 2 (Jan-April 2009)
- m Both of the above terms

2) Do you feel that Math 220 taught you to follow and construct mathematical proofs?

- m Yes. It taught me how to follow and make proofs.
- m Sort of. I learned some proof skills, but do not think that it taught me enough.
- m Not really. I feel like I only learned a few useful proof skills in Math 220.
- m No. This course did not teach me how to follow or make proofs at all.

**3) In what courses have you found the skills you learned in Math 220 to be most helpful?
(List as many courses as you like)**

4) What proportion of the Math 220 lectures did you attend?

- m less than 50%
- m 50-59%
- m 60-69%
- m 70-79%
- m 80-89%
- m 90% or more

5) In Math 220, when did you typically start the homework?

- m Immediately after it was assigned
- m A couple of days after it was assigned
- m A few days before it was due
- m The day before it was due
- m The day it was due

**6) If you could go back in time, what would you change about your study methods for Math 220?
(choose all that apply)**

- m I wouldn't change anything
- m I would attend class more regularly
- m I would start my assignments earlier
- m I would spend more time reviewing my assignments and midterms
- m I would spend less time reviewing my assignments and midterms
- m I would spend more time reviewing the text and my notes
- m I would spend less time reviewing the text and my notes
- m I would spend more time working and studying with my classmates
- m I would spend less time working and studying with my classmates
- m Other (please specify)

If you selected other, please specify

**7) After completing Math 220, which of the following skills were you comfortable applying to mathematical problems?
(choose all that apply)**

- q Using logical connectives and quantifiers
- q Following the logical structure of a mathematical proof
- q Disproving statements by counterexamples
- q Using direct proof
- q Proving by induction
- q Proving by contradiction
- q Applying knowledge of basic set operations and relations between sets
- q Applying knowledge of functions and their properties
- q Applying knowledge of number systems and their properties (real numbers, natural numbers, completeness, cardinality, etc.)
- q Constructing sequences and testing their convergence or divergence
- q Constructing infinite series and testing their convergence or divergence

**8) After completing Math 220, which of the following skills did you feel least able to apply to mathematical problems?
(choose 3)**

- q Using logical connectives and quantifiers
- q Following the logical structure of a mathematical proof
- q Disproving statements by counterexamples
- q Using direct proof
- q Proving by induction
- q Proving by contradiction
- q Applying knowledge of basic set operations and relations between sets
- q Applying knowledge of functions and their properties
- q Applying knowledge of number systems and their properties (real numbers, natural numbers, completeness, cardinality, etc.)
- q Constructing sequences and testing their convergence or divergence
- q Constructing infinite series and testing their convergence or divergence

**9) Which of the following skills have you used the most in your mathematics courses since taking Math 220?
(choose 3)**

- q Using logical connectives and quatifiers
- q Following the logical structure of a mathematical proof
- q Disproving statements by counterexamples
- q Using direct proof
- q Proving by induction
- q Proving by contradiction
- q Applying knowledge of basic set operations and relations between sets
- q Applying knowledge of functions and their properties
- q Applying knowledge of number systems and their properties (real numbers, natural numbers, completeness, cardinality, etc)
- q Constructing sequences and testing their convergence or divergence
- q Constructing infinite series and testing their convergence or divergence

10) What part of Math 220 did you find most interesting? Why?

11) What part of Math 220 did you find the most challenging? Why?

12) How do you think Math 220 could be improved?

13) If you would like to be entered in the draw for a \$25 UBC Bookstore gift card, please enter your e-mail address in the blank below:
(This survey is anonymous. Your e-mail address will only be used to contact you in the event that you win the draw)

Thank you for completing the survey!