

# Math 110 Midterm Survey - 2010-11

This is a survey of your attitudes and comments about the course. The completion of this survey will count towards your participation, but your individual responses will not affect your grade in any way and will not be accessible by the instructors.

This survey consists of five parts:

1. Your background
2. Lectures
3. Assignments
4. Quizzes/midterm
5. General comments

This survey should take about 10 minutes to complete. Please take this survey seriously as your responses will be used for the research about course improvement. If you have questions about the survey, please email Joseph Lo at [qwlo@math.ubc.ca](mailto:qwlo@math.ubc.ca). This survey is part of the project with Math 110 supported by the Carl Wieman Science Education Initiative.

**1) What is your UBC student number? (We ask for your student number to track completion and for research purpose, so that your responses in other surveys can be matched to those here. Your individual results will not be accessible to the instructors and will not affect your grades.)**

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## Your Background

**2) What program are you in/planning to get in (e.g. economics, biology, commerce, civil engineering, etc...)**

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**3) Why are you taking Math 110?**

- Math 110 is the only Calculus I course I can take.
- I had an option to choose Math 100/102/104/180/184 but I decided to take Math 110.
- Other (please specify)

If you selected other, please specify

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**4) Were you familiar with the following topics before covered in this course?**

	New to me	Not familiar	Somewhat familiar	Familiar

Basic algebra (arithmetics/polynomials/fractions/radicals/equations)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Trigonometry	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Exponents and logarithms	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Geometry	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Functions/graphs	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Inequalities	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Proofs (logics/implications/theorems)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Limits	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Derivatives	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

5) How well do you think you understand each of the following topics so far?

	Don't understand	Partially understand	Understand
Basic algebra (arithmetics/polynomials/fractions/radicals/equations)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Trigonometry	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Exponents and logarithms	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Geometry	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Functions/graphs	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Inequalities	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Proofs (logics/implications/theorems)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Limits	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Derivatives	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

6) Do you have general comments about the course materials?

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### Lectures

7) How often do you go to lectures?

- Almost always (more than 80% of the time)
- Usually (around 60% to 80% of the time)
- Half of the time (around 40% to 60% of the time)
- Rarely (around 20% to 40% of the time)
- Almost never (less than 20% of the time)

8) What are the main reasons that make you not go to lectures? (Choose all that apply.)

- No reasons. I always go.
- 8am is too early for me/4pm is too late for me.
- The lectures don't help me understand the course materials.
- I don't want to do class activities with my group members.
- The lectures are too boring.
- Other (please specify)

If you selected other, please specify

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**9) What is the pace of the lectures?**

- Too fast
- Reasonable
- Too slow

**10) The lectures are clearly presented.**

- Strongly agree
- Agree
- Neutral
- Disagree
- Strongly disagree

**11) The lecture notes are clear and easy to follow when I review them on my own.**

- Strongly agree
- Agree
- Neutral
- Disagree
- Strongly disagree

**12) The lecture notes explain topics discussed in the textbook well.**

- Strongly agree
- Agree
- Neutral
- Disagree
- Strongly disagree

**13) What do you think about the amount of examples given in lectures?**

- Not enough.
- Just right.
- Way too much. I would rather spend more time on other things. (Please specify

below.)

Additional comments

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**14) The examples given in lectures are clearly explained.**

- Strongly agree
- Agree
- Neutral
- Disagree
- Strongly disagree

**15) The instructor makes the lectures interesting.**

- Strongly agree
- Agree
- Neutral
- Disagree
- Strongly disagree

**16) Group activities help me understand the course materials better.**

- Strongly agree
- Agree
- Neutral
- Disagree
- Strongly disagree

**17) What do you think about the pace of the class activities?**

- Too fast
- Reasonable
- Too slow

**18) The clicker questions help me understand the course materials better.**

- Strongly agree
- Agree
- Neutral
- Disagree
- Strongly disagree

**19) I normally answer the clicker questions seriously.**

- Strongly agree
- Agree
- Neutral
- Disagree
- Strongly disagree

**20) Do you preview lecture materials before going to classes?**

- No.
- Only if pre-reading materials are assigned.
- Yes, even if pre-reading materials are not assigned.

21) Do you communicate with your group members when you are not in lectures/workshops or when you are not doing group assignments?

- Regularly
- Occasionally
- Never or almost never

22) Do you have general comments about the lectures?

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**Assignments**

23) The assignment problems are related to the lectures.

	Strongly agree	Agree	Neutral	Disagree	Strongly disagree
Part A (Webwork)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Part B	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Part C	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

24) What do you think about the level of difficulty of the assignments?

	Very difficult	Difficult	Reasonable	Easy	Very easy
Part A (Webwork)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Part B	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Part C	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

25) What do you think about the overall length of the assignments?

- Way too long
- A bit long
- Reasonable
- A bit short
- Way too short

26) On average, how many hours do you need to spend doing the assignments each week?

- 0-2 hours
- 2-4 hours
- 4-6 hours
- 6-8 hours
- 8-10 hours
- Other (please specify)

If you selected other, please specify

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**27) When do you usually start doing your assignments?**

- As soon as they are posted.
- 3 to 5 days before the due date.
- 2 days before the due date.
- The day before the due date.
- I don't really do the assignments.

**28) How do you do your assignments?**

- I usually do them on my own not with other people.
- I usually do them with my group members.
- I usually do them with my other friends.
- I usually do them with my tutor.
- I don't really do the assignments.
- Other (please specify)

If you selected other, please specify

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**29) What do you do if you have trouble doing the assignment problems?**

	Always	Usually	Sometimes	Rarely	Never or almost never
I will look for hints from the textbook/lecture notes.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I will look for solutions to similar problems.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I will ask my friends/group members.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I will ask my instructor/TA/tutor.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I will forget about it and continue with the next problem.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

**30) Do you have general comments about Webwork?**

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**31) Do you have general comments about the assignments?**

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**Quizzes/midterms**

**32) Individual quizzes at the beginning of the workshops help me keep up with the course materials.**

- Strongly agree
- Agree
- Neutral
- Disagree
- Strongly disagree

**33) Doing the quizzes again in groups immediately after the individual quizzes help me understand the course materials.**

- Strongly agree
- Agree
- Neutral
- Disagree
- Strongly disagree

**34) I have a clear idea on what topics will be covered in the midterm beforehand.**

- Strongly agree
- Agree
- Neutral
- Disagree
- Strongly disagree

**35) What do you think about the length of the midterm?**

- Very long
- A bit long
- Reasonable
- A bit short
- Very short

**36) How was the level of difficulty of the midterm compared to what you expected?**

- Much more difficult than what I expected.
- Somewhat more difficult than what I expected.
- Similar to what I expected.
- Somewhat easier than what I expected.
- Much easier than what I expected.

**37) Do you have general comments about the quizzes/midterm?**

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**General comments**

**38) Do you have general comments about the workshops. (You will have a more detailed workshop survey later in the term.)**

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**39) Do you have general comments about workshop TAs?**

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**40) Do you have general comments about the instructor?**

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**41) Do you have general comments about the course?**

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**42) Did you spend more than 15 minutes doing this survey?**

- Yes
- No

Thank you for your responses!

The next survey will be given in December, around the last week of classes in Term 1.