

Math 200 Section 207 - End-of-term Survey

1) Please enter your student number. *Note that your individual responses will not be passed along to your instructor and will not affect your course grades in any way. We ask for your student number to track completion and for research purpose only, so that your responses in other surveys can be matched to those here.*

2) Before this course (Sept 2012), how long have you *not* taken a math course?

- Less than 6 months
- 6 to 12 months
- 12 to 24 months
- More than 24 months

Additional comments

3) How many courses are you taking this term (including Math 200)?

_____courses

4) On average, how many hours do you spend on WeBWork assignment every week?

_____hours

5) On average, how would you rate the mathematical difficulty of WeBWork problems relative to other problems in the course?

- Much easier
- A little easier
- Comparable
- A little harder
- Much harder
- Other (please specify below)

Additional comments

6) On average, how often is the syntax required to submit an answer to WeBWork an obstacle in completing your assignment?

- Never
- Only happened once or twice
- About once in every few assignments
- Syntax is an issue in many assignment problems

- Other (please specify below)

Additional comments

7) After an assignment is due, do you go back and check the correct answers?

- Almost always
- Usually
- Sometimes
- Rarely
- Almost never
- Other (please specify below)

Additional comments

8) Do you go back and redo previous WeBWork assignments when you study or review the course materials?

- Almost always
- Usually
- Sometimes
- Rarely
- Almost never
- Other (please specify below)

Additional comments

9) Please rate the extent to which you agree or disagree with the following statements about WeBWork.

	Strongly agree	Agree	Neutral	Disagree	Strongly disagree
WeBWork problems are related to problems on tests and/or class examples.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
WeBWork problems are good practice for solving problems on tests.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
The immediate responses I get from WeBWork help me learn the course material.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I often get frustrated with WeBWork problems due to their mathematical difficulty.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I often get frustrated with WeBWork problems due to calculation/input errors (unrelated to syntax) I made.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I often get frustrated by the particular syntax required to submit answers to WeBWork.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

10) If you were to take a similar course again, which homework option would you prefer? Assume each suggested options is worth the same percentage of your final course grade.

- Only WeBWorK assignments.
- A combination of relatively shorter WeBWorK assignments and short hand-in written assignments that are returned a week later.
- A combination of relatively shorter WeBWorK assignments and short in-class quizzes (in addition to regular midterm exams).
- Only written hand-in assignments that are returned a week later (possibly only part of them graded).
- Only short in-class quizzes in addition to regular midterm exams.
- No homework assignments or in-class quizzes but possibly an extra midterm exam.
- Other (please specify below)

Additional comments

11) Please tell us anything that you would like to see but is missing in WeBWorK or any suggestion that might improve your experience with WeBWorK if you are using it again in the future.

12) Do you find your textbook useful?

- I find it very useful.
- I find it useful most of the time.
- I think it is OK.
- I don't find it very useful.
- I think it is useless.
- Other (please specify below)

Additional comments

13) Please rate the extent to which you agree or disagree with the following statements about in-class group activities.

	Strongly agree	Agree	Neutral	Disagree	Strongly disagree
The group activities are difficult.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
The group activities help me better understand the course materials.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

The group activities trigger valuable discussions with my classmates.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
The solutions to the group activities are useful for my study.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I wish to have more in-class group activities and less lecturing.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

14) Please add any additional comment about the in-class group activities.

15) Please rate the extent to which you agree or disagree with the following statements about the supplementary materials posted on the blog.

	Strongly agree	Agree	Neutral	Disagree	Strongly disagree
Supplementary materials posted on a blog are easy to access.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
The supplementary materials on the blog are easy to follow/understand.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
The graphs provided in the supplementary materials are clearly drawn.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
The supplementary materials help me better understand the course materials.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I use the supplementary materials when I study.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I wish to have more of these supplementary materials throughout the course.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

16) Please add any additional comment about the supplementary materials on the blog.

17) Which of the following topics do you think are particularly difficult to learn/understand? Please check all that apply.

- Vectors and their arithmetic (sum, dot product, cross product, etc)
- Equations of lines and planes
- Intersections and projections involving lines and planes
- Cylinders and quadric surfaces
- Functions of two variables and their geometric interpretations (surfaces, level

curves, etc)

- Functions of three variables and their geometric interpretations (level surfaces etc)
- Partial derivatives - calculations
- Partial derivatives - meanings and geometric interpretation
- Tangent planes and linear approximations
- Chain rule and implicit differentiation
- Directional derivatives and gradients - meaning and geometric interpretation
- Maxima and Minima
- Lagrange Multipliers
- Double integrals - calculations
- Double integrals - determining boundaries of integration
- Double integrals - changing the order of integration
- Double integrals - polar coordinates
- Triple integrals - calculations
- Triple integrals - determining boundaries of integration
- Triple integrals - changing the order of integration
- Triple integrals - cylindrical coordinates
- Triple integrals - spherical coordinates
- Applications of integrals (mass, centroids, moment of inertia, etc)
- Other (please specify)

If you selected other, please specify

18) Please add any comment about the course that you feel are not captured by the questions above.
