

MATH UNDERGRADUATE PROGRAM ASSESSMENT SURVEY

Please complete the attached survey to help us determine how well the courses, major programs and other activities of the Department of Mathematics are meeting our departmental objectives and your needs. Your assistance will be very much appreciated.

Name: _____

Address: _____

Telephone number: _____

Email address: _____

Year of WWU undergraduate degree completion: _____

Undergraduate major completed at WWU: _____

Post-Graduation Plan: _____

1. The Department of Mathematics has identified several program objectives, formulated as abilities we aim to develop in our students. Please indicate how well we have met those objectives by giving each a ranking from 1 to 5.

(1 = failed miserably, 5 = succeeded brilliantly)

How well have we taught you to:

(a) *Understand and discuss mathematical topics in an informed and logical manner*

1 2 3 4 5

(b) *Develop strategic overviews, and thus analyze, mathematical situations*

1 2 3 4 5

(c) *Recognize that problems may have many different mathematical representations (graphical, numerical, symbolic) and be able to select appropriate formats*

1 2 3 4 5

(d) *Model real world problems mathematically and interpret results appropriately*

1 2 3 4 5

(e) *Understand the importance of abstraction and rigor in math, construct proofs and*

- critically examine the correctness of mathematical work and logical arguments*
- 1 2 3 4 5**
- (f) *Recognize connecting themes across mathematical courses and topics*
- 1 2 3 4 5**
- (g) *Use software tools and technology, and judge when such use is helpful*
- 1 2 3 4 5**
- (h) *Communicate results and arguments clearly, precisely and correctly, both in writing and orally*
- 1 2 3 4 5**
- (i) *Appreciate the role and value of mathematics in the sciences and the real world*
- 1 2 3 4 5**
- (j) *Understand the historical context of mathematical progress and be familiar with major contributions of some prominent mathematicians of the past and present*
- 1 2 3 4 5**
- (k) *Be aware of the diversity of math career options*
- 1 2 3 4 5**

2. Please rate the overall quality of each of the following factors in your math program (**1 = poor, 5 = excellent**)

- | | | |
|-----|----------------------------------|------------------|
| (a) | <i>Choice of courses</i> | 1 2 3 4 5 |
| (b) | <i>Computing facilities</i> | 1 2 3 4 5 |
| (c) | <i>Structure of major</i> | 1 2 3 4 5 |
| (d) | <i>Textbooks used</i> | 1 2 3 4 5 |
| (e) | <i>Quality of instruction</i> | 1 2 3 4 5 |
| (f) | <i>Academic advising</i> | 1 2 3 4 5 |
| (g) | <i>Knowledge of instructors</i> | 1 2 3 4 5 |
| (h) | <i>Interaction with faculty</i> | 1 2 3 4 5 |
| (i) | <i>Fairness of grading</i> | 1 2 3 4 5 |
| (j) | <i>Interaction with students</i> | 1 2 3 4 5 |

3. What aspects of the math program were most positive and helpful to you?

4. What aspects of the math program do you feel should be improved?

We appreciate the time you took to assist us by completing this survey. Please return it in the enclosed postage-paid envelope as soon as possible. Thank you for your support.