

[Name of MM Candidate]

[Fall/Spring/Summer Year of Graduation]

Portfolio Examination for the
Master of Mathematics Degree

The University of Tennessee, Knoxville

[Committee Member 1]
[Committee Member 2]
[Committee Member 3]
(Put in Alphabetical order)

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1 Current Resume

[This should be the actual resume that MM students would use to seek employment as they move onto the next phase of their careers. To start, some recommended categories include contact information, education, work experience, skills, a list of relevant coursework, any honors/awards, and any professional memberships.]

2 Statement of Teaching Philosophy

[This statement should be written in a way so that graduating MM students may use it for an academic job application, following the UTK Teaching and Learning Innovation guide on “Creating a Memorable Teaching Philosophy Statement” (UTK TLI 2019).

Specifically, the teaching philosophy should:

- a. Include a reflection on past teaching and learning experiences,
- b. Provide an answer to at least two of the following:
 - i. What gives teaching meaning to me? Why?
 - ii. What do I want my students to achieve? Why?
 - iii. What do/would I do to help my students achieve my goals for them? Why?
 - iv. What tools do/would I use to verify that students have achieved my goals for them? Why?
 - v. What tools do/would I use to verify that I am teaching well? Why?
 - vi. What types of inclusive learning experiences do/would I create for my students? How do I know they are inclusive?
 - vii. What types of active learning experiences do/would I create for my students? How do I know they are active?
 - viii. What is the evidence that my students are achieving the goals I have set for them?
 - ix. How do I want to grow as a teacher?
- c. Be written with clarity and conciseness (maximum 2 pages).

It is highly recommended that MM students think about an overarching narrative, key points in their teaching philosophy, and concrete examples to support this narrative.]

3 Evidence of Breadth and Depth of Mathematical Content Knowledge

3.1 List of Courses

[This section should include a list of **all** courses in the student's program of study and the semester in which the student took the course. This can be formatted with a table like the example below:]

Course Number and Name	Semester
Math 505: Analysis for Teachers	Fall 2020

3.2 Representative Coursework

[This subsection's course content will start on the next page. It should include representative coursework from at least five different courses taken during for the MM degree, three of which must be from the core MM course list). Please consult your past course instructors or their portfolio guidelines to choose your coursework.

Coursework samples should indicate depth of knowledge by including mathematical rigor (proofs or precise computations) and/or short explanations of mathematical significance (as necessary).

Be sure to include problem and assignment prompts alongside your work for context. At the beginning of each course, please write a few sentences to give context for your coursework samples.]

[1st Course Number]: [Short Course Name]

[Please change the course number and name. You do not have to write “For Teachers” on the course names. For example, you can change this to Math 506: Algebra.]

At the beginning of each course, please write a few sentences to give context for your coursework samples.]

[2nd Course Number]: [Short Course Name]

[3rd Course Number]: [Short Course Name]

[4th Course Number]: [Short Course Name]

[5th Course Number]: [Short Course Name]

4 Reflection on Professional Growth

[This reflection should focus on how the student has grown through the MM program in 2 pages. It should include some or all of the following elements:

- a. Student education background,
- b. Work experience,
- c. Connections between MM courses,
- d. Goals when enrolling in the MM program,
- e. Work completed during the MM program to attain those goals, and
- f. Professional objectives for the future.]