



provides an external validation of knowledge. Submission of a student portfolio is a graduation requirement for all mathematics majors. The Department uses the portfolios to assess all five outcomes listed above. The portfolios include artifacts from each of the required fields of mathematics, which demonstrate meeting outcome 1. The exit survey questions address student cognizance of subject matter and need for life-long learning. The survey also asks for general comments that can be used for program improvement.

*(1000 words or less)*

Students are able to provide example assignments (artifacts) for each of the outcomes. The quality of the artifacts roughly correlates with grades. The scores on the ETS Major Field Test show an acceptable level of knowledge, and roughly correlate with grades. There were not usable results from the exit survey.

Select Yes or No.

Faculty, staff, student development

Other

No changes were implemented in AY23.

*(100 words or less)*

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It is still unclear if the examples in portfolios are making it easier for students when constructing their portfolios. Introduction of mathematical typesetting (LaTeX) in Mathematics A264, Introduction to the Mathematics Major, is being reflected in inclusion of typeset artifacts in portfolios.

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**Jenny McNulty**