

	Padawan	Jedi	Jedi Master
	still training	B	A
		generally demonstrates	thoroughly demonstrates
Research, analyze and reflect on discipline-specific materials. The idea is to incorporate different levels and areas as appropriate to investigate mathematical knowledge from MAT 4140 in order to recognize the development of mathematical ideas from the past and the breadth of mathematics covered in MAT 4140, its impact on mathematical study, and its relation to the global mathematical community.			
Connections to other class(es) if possible, like a review of curves, surfaces, or the Pythagorean theorem in prior classes—the review is both a reflection and contains mathematical examples that connect broadly to the topic and/or other parts of the paper			
History and modern connections or applications			
Differential geometry of the topic in own words such as visualization, geometric intuition, and geometric analysis or other considerations			
Creativity and personalization, such as why did you choose the topic, own motivation and exploration. Reflection could include what you found most interesting, surprising, enjoyable, or learned about yourself and differential geometry through the project. Personalization could be in the introduction and conclusion or spread throughout			
<b>The writing integrates depth via the extent of the connections or the mathematics</b> This can include mathematical depth and rigor and/or depth of mathematical connections			
<b>The document is in a professional format, using quality typography</b> Consistent style and notation Flow Professional mathematical notation in LaTeX Appropriate use of technology Discussed the mathematics in own words Aimed at a peer who needs a refresher Quality			
<b>The document includes appropriate references</b> Gave proper reference Consistency in citations Used appropriate references			

\*\*\*Accommodations in the determination of the final grade will be made for extenuating circumstances, such as those that are documented to prevent you from turning in work early or on time, including the level of achievements in the learning targets.

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