

ATTACHMENT D

**Mathematics Content Knowledge Portfolio Rubric – Part II - After Math 475**

**Dr. Beverly J. Ferrucci**

The portfolio grade will be based upon the following evaluation scale:

A - Exemplary: 26-28 points

B - Proficient: 19-25 points

Partially Proficient or Incomplete: Needs to be resubmitted - less than 19 points

	Criteria	Exemplary  4 points	Proficient  3 points	Partially Proficient  2 points	Incomplete  1 point	Total Points & Comments
1.	Required items	<ul style="list-style-type: none"> <li>• contain rich/thorough information</li> <li>• demonstrate thorough understanding of key concepts</li> </ul>	<ul style="list-style-type: none"> <li>• contain complete information</li> <li>• demonstrate sufficient understanding of key concepts</li> </ul>	<ul style="list-style-type: none"> <li>• lack complete information</li> <li>• demonstrate some understanding of key concepts</li> </ul>	<ul style="list-style-type: none"> <li>• contain limited or minimal information</li> <li>• demonstrate limited understanding of key concepts</li> </ul>	
2.	Communication	<ul style="list-style-type: none"> <li>• reflects a high degree of communication</li> </ul>	<ul style="list-style-type: none"> <li>• reflects a sufficient degree of communication</li> </ul>	<ul style="list-style-type: none"> <li>• reflects some degree of communication</li> </ul>	<ul style="list-style-type: none"> <li>• reflects a limited degree of communication</li> </ul>	
3.	Organization	<ul style="list-style-type: none"> <li>• presents information which is skillfully organized</li> </ul>	<ul style="list-style-type: none"> <li>• presents information in an organized manner</li> </ul>	<ul style="list-style-type: none"> <li>• presents information with some organization</li> </ul>	<ul style="list-style-type: none"> <li>• presents information with limited organization</li> </ul>	
4.	Mathematical Knowledge	<ul style="list-style-type: none"> <li>• demonstrates a thorough understanding of all concepts</li> <li>• explains the process in a logical and coherent manner</li> <li>• uses mathematical terms proficiently</li> </ul>	<ul style="list-style-type: none"> <li>• demonstrates a clear understanding of most concepts</li> <li>• explains the process in a somewhat logical manner</li> <li>• uses mathematical terms correctly</li> </ul>	<ul style="list-style-type: none"> <li>• demonstrates a partially clear understanding of most concepts</li> <li>• explains the process in an unclear manner</li> <li>• uses mathematical terms somewhat correctly</li> </ul>	<ul style="list-style-type: none"> <li>• demonstrates little understanding of most concepts</li> <li>• explains the process incorrectly</li> <li>• uses mathematical terms incorrectly</li> </ul>	
5.	Pedagogical Knowledge	<ul style="list-style-type: none"> <li>• demonstrates a thorough understanding of the pedagogy in an affluent and skillful manner</li> </ul>	<ul style="list-style-type: none"> <li>• demonstrates a clear understanding of the pedagogy in a skillful manner</li> </ul>	<ul style="list-style-type: none"> <li>• demonstrates a partially clear understanding of the pedagogy</li> </ul>	<ul style="list-style-type: none"> <li>• demonstrates little understanding of the pedagogy</li> </ul>	
6.	Reflection	<ul style="list-style-type: none"> <li>• shows rich evidence of thoughtfulness or insight</li> </ul>	<ul style="list-style-type: none"> <li>• shows clear evidence of thoughtfulness or insight</li> </ul>	<ul style="list-style-type: none"> <li>• shows some evidence of thoughtfulness or insight</li> </ul>	<ul style="list-style-type: none"> <li>• shows limited evidence of thoughtfulness or insight</li> </ul>	
7.	Evidence of growth	<ul style="list-style-type: none"> <li>• most selections clearly demonstrate growth and learning over time</li> </ul>	<ul style="list-style-type: none"> <li>• several selections clearly demonstrate growth and learning over time</li> </ul>	<ul style="list-style-type: none"> <li>• a few selections clearly demonstrate growth and learning over time</li> </ul>	<ul style="list-style-type: none"> <li>• selections demonstrate little evidence of growth and learning over time</li> </ul>	