



Core Competency Scoring Rubric

Ferris State University

Quantitative Literacy – QNT4

Evaluate approaches – Students evaluate approaches to estimation, modeling, and analysis of data, including assumptions, practical consequences, and limitations.

Evaluated during the spring semester of even-numbered years.

Level	Description
4 – Advanced Advanced performances exceed the expectations for Ferris graduates. This work shows an effective and well-developed response to the learning outcome. These students represent the strongest fraction of our graduates.	Students review approaches to problem solving, judge the quality of the arguments that support conclusions, and identify the use of at least four different quantitative approaches.
3 – Proficient Proficient performances meet the expectations for Ferris graduates. This work demonstrates a sufficient response to the learning outcome with regard to scope and accuracy. All students are expected to attain this level of ability by graduation.	Students review approaches to problem solving, judge the quality of the arguments that support conclusions, and identify the use of at least three different quantitative approaches.
2 – Progressing Developing performances approach the expectations for Ferris graduates. Although this work is more accomplished than that of novices, the scope and accuracy of the response does not yet satisfactorily address the learning outcome. This should be true of most first and second year students.	Students review approaches to problem solving, judge the quality of the arguments that support conclusions, and identify the use of at least two different quantitative approaches.
1 – Beginning Beginning performances do not meet the expectations for Ferris graduates. This work exhibits a novice level of ability with regard to addressing the learning outcome. This is the expected skill level for our incoming freshman.	Students review approaches to problem solving, judge the quality of the arguments that support conclusions, and identify the use of at least one quantitative approach.
0 – Unsatisfactory Unsatisfactory performances neither meet the expectations for Ferris graduates nor those for incoming freshmen. This work exhibits profound deficiencies and/or is incomplete.	Students review approaches to problem solving but are unable to judge the quality of the arguments that support conclusions or identify the use of even one quantitative approach.