Capstone Rubric

Department of Mathematics and Computer Science

Hendrix College

Category	Excellent	Satisfactory	Questionable	Problematic
Integration of ideas	Devises innovative application of MATH/CSCI concepts from multiple classes or experiences for addressing a substantive problem.	Appropriately applies MATH/CSCI concepts and techniques from multiple classes or experiences to investigate a substantive problem.	Inconsistently applies MATH/CSCI concepts from multiple classes or experiences to investigate a substantive problem.	Incorrectly applies MATH/CSCI concepts to investigate a problem, or relies upon concepts and techniques from only one prior experience.
Written exposition	A clear and well-organized written document demonstrates deep technical insight and persuasively articulates topic significance.	A clear and well-organized written document demonstrates technical understanding and topic significance.	A written document that is somewhat unclear and mildly disorganized demonstrates modest technical understanding and conveys a notion of topic significance.	An unclear and/or poorly organized written document fails to convey technical understanding and/or topic significance.
Oral exposition	Provides a compelling education about project scope and achievements in a concise oral presentation.	Effectively communicates project scope and achievements in a concise oral presentation.	Conveys some idea of project scope and achievements in an oral presentation that is comprehensible with significant effort.	Fails to communicate project scope and/or achievements in an oral presentation.
Answering questions	Demonstrates profound understanding of project topic and work in answers to questions.	Demonstrates competency and mastery in answers to questions about project topic and work.	Answers questions in a manner that demonstrates modest understanding of project topic.	Unable to coherently answer questions about project topic and work.
Independence and Self-Awareness	Selects a compelling project topic, and responds in an innovative way to feedback.	Selects a pertinent and interesting project topic; as the project develops, responds appropriately to feedback.	Selects a project topic with some potential; makes modest use of feedback.	Selects an irrelevant or uninteresting project topic, or fails to respond appropriately to feedback.
Engagement	Demonstrates persistent and regular incremental progress throughout the project period.	Demonstrates consistent engagement for the duration of the project period.	Demonstrates somewhat consistent engagement during at least part of the project period.	Works inconsistently and irregularly during the project period.
Membership of MATH/CSCI Community	Shows mastery of pertinent technical terminology and concepts throughout the project.	Properly uses technical terminology and concepts throughout the project.	Mostly uses proper technical terminology and concepts, but makes several errors in doing so over the course of the project.	Consistently misuses technical terminology and concepts during the project.