2017-2018 Assessment Reports
Learning Outcome/Objective

Informatics and Computing Science Objective Set

1. Demonstrate Proficiency in Using Computation for Problem Solving

Students study all aspects of computation, including the design and analysis of algorithms, the formalization of algorithms as programs, the use of computer technology for executing programs, and the impact that technology has on problem solving and society.

Objective	Mapping
1.1 Design effective algorithms and analyze them	**University Level Learning Outcomes:** Disciplinary Competence
1.2 Formalize algorithms as programs	**University Level Learning Outcomes:** Disciplinary Competence
1.3 Use computer technology to execute programs	**University Level Learning Outcomes:** Disciplinary Competence
1.1 Students will demonstrate an understanding of the impact of technology on problem solving and society	**University Level Learning Outcomes:** Deliberative Reflection
1.2 Students will demonstrate skills needed to design, formalize, and implement algorithms.	**University Level Learning Outcomes:** Disciplinary Competence

2. Demonstrate Mastery in Informatics and Computing Science

Students will be effective logical and critical thinkers, be able to design and build software solutions to complex, real-world problems, be proficient in multiple paradigms of design and programming, be able to communicate technical ideas in both written and oral forms, be able to work effectively in teams to solve problems, and be able to recognize and evaluate the power and limits of technology.

Objective	Mapping
2.1 Demonstrate effective logical and critical thinking skills	**University Level Learning Outcomes:** Critical Thinking

2.2 Design and build software solutions to complex, real-world problems	**University Level Learning Outcomes:** Disciplinary Competence
2.3 Demonstrate proficiency in multiple paradigms of design and programming	**University Level Learning Outcomes:** Disciplinary Competence
2.2 Communicate technical ideas in both written and oral forms	**University Level Learning Outcomes:** Communication
2.3 Work effectively in teams to solve problems	**No Mapping**
2.6 Recognize and evaluate the power and limits of technology	**University Level Learning Outcomes:** Deliberative Reflection

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