



Student Learning Outcomes for General Education

Category Vb: Formal Reasoning

After completing a Category Vb GE course, successful students will be able to do ALL of the following:

1. Understand the concept and purpose of formal languages such as propositional and first-order logic, simple programming languages, mathematical models or linguistic formalisms.
2. Possess an elementary grasp of the power and limits of formal methods.
3. Be able to do one or both of the following: apply formal tools of logic or mathematics to the analysis and evaluation of everyday and/or scientific arguments, texts, and communicative situations; apply basic algorithms for the generation of logical deductions, linguistic structures, or computational processes.