

LSU Integrative Learning Core (ILC)
Proficiency: Quantitative and Formal Reasoning

Proficiency Dimensions	Core Assessment (performance indicators are based on the rigor of the discipline)	Graduating Assessment
Description	Three levels of performance intended for 1000 and 2000 level courses approved as ILC courses. The 'meeting' level of performance is LSU benchmark for the ILC curriculum.	The capstone level of performance is LSU benchmark for graduating seniors.

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LSU Revised Definition Quantitative and Formal Reasoning

LSU changed Quantitative Literacy to Quantitative and Formal Reasoning. Quantitative and Formal Reasoning is a "habit of mind" proficiency, focused on competence and comfort in working with numerical data and formal systems. It includes using mathematical skills and concepts, analytical reasoning, and problem-solving for application in higher-level mathematics and logic courses and in everyday work and life situations. Individuals with strong Quantitative Reasoning skills possess the ability to reason and solve quantitative problems from a wide array of authentic contexts and everyday life situations. They understand and can create sophisticated arguments supported by quantitative evidence and they can clearly communicate those arguments in a variety of formats (using words, tables, graphs, mathematical equations, etc., as appropriate). Individuals with strong Formal Reasoning skills possess the ability to reason in and about formal systems and structures (mathematical, logical, linguistic, and computational)ca ,

Not Approaching 0

Approaching 1

Meeting 2
(CORE ASSESSMENT
BENCHMARK)