

GENERAL EDUCATION: COMMON SKILLS. Quantitative and Analytical Reasoning

This course fulfills the Common Skills: Quantitative and Analytical Reasoning (QAR) requirement because it emphasizes understanding and communication of numeric data to inform and communicate value tradeoffs and characterize risk and uncertainty. Alternatives are compared by building mathematical models of various futures, including probabilistic analyses. The students will be challenged to communicate quantitative results in graphical and concise summaries of complex analyses in a format easily understood by decision-makers. Methods employed to analyze strategic decisions include strategy tables, decision hierarchies, tornado sensitivity diagrams, 2-dimensional sensitivity analyses, and risk profiles.