

Award of QR Credit for Coursework Outside of Yale

A course at an accredited outside college or university may be used in fulfillment of the QR (quantitative reasoning) requirement, subject to the following conditions:

- 1) The course must be taken for a grade.
- 2) The course must be taught at a level comparable to the level of Yale courses in the relevant discipline (e.g., a college or university may offer a “college level” math course, such as in pre-calculus, that would not be considered a college level course at Yale).
- 3) The course must meet the same criteria that are used by the QR Council for the review of courses in Yale College.

A course may be used to satisfy the quantitative reasoning requirement if it meets the following criteria.

- i. A primary aim of the course is to develop quantitative reasoning or its application. Quantitative reasoning includes mathematics, statistics, algorithms and formal symbolic logic. Calculation, quantification and measurement can supplement but cannot replace quantitative reasoning and problem solving.
- ii. A substantial proportion (generally a majority) of course exercises, such as problem sets, should be designed to develop and strengthen quantitative reasoning skills through regular practice. Examinations or assigned projects should similarly be primarily quantitative in nature and should require students to demonstrate their quantitative reasoning skills.

The QR council will make its determination as to the suitability of an outside course for satisfaction of the QR distribution requirement on the basis of a review of the course syllabus, prerequisites and course materials. In most cases, this will require submission of materials such as problem sets and exams for review by the council.

While almost all mathematics and statistics courses at an appropriate level may be expected to fulfill the QR requirement, the suitability of courses in most other disciplines will depend on a review of the specific course content and the course exercises. Just as at Yale, a microeconomics course or a chemistry course is not necessarily a QR course. Students planning to apply to the QR requirement introductory or non-major coursework in logic, computer science and applied quantitative disciplines, in particular, are urged to consult with the QR council in advance of making plans: QRCouncil@yale.edu.