

Scientific Reasoning [S] Designation Approval

Student Name: _____ ID: _____

A transfer course that is deemed by Bates to be equivalent to an existing Bates course automatically carries the same general education credit as does the equivalent course at Bates. Therefore, if the equivalent course at Bates carries [S] credit, this form is not needed.

Students seeking "Scientific Reasoning" [S] general education credit for a course that is NOT equivalent to a Bates course should ask the chair of the relevant Bates department or program to complete this form based on course materials and descriptions provided by the student. The student should then submit the completed form to the Registrar's office. The Bates SLQ committee will make the final determination of whether [S] credit is granted for the transfer course.

To qualify for designation as a scientific reasoning course, a substantial portion of the course should be designed to further students' understanding of the process of scientific reasoning, the development of theories that unify a broad range of scientific evidence, and the extent to which the reliability of conclusions is influenced by the quality of that evidence.

Please check the criteria listed below which were met by the prospective transfer credit. To qualify as an 'S' course, the Scientific Reasoning and Quantitative Literacy Committee anticipates that at least three of these criteria should be met. If the course does not meet at least three of the criteria but you think it should still qualify for an 'S' designation, please use the comments area to provide an explanation. Note that scientific evidence as used here is defined as data collected or observations made in a systematic way.

- 1. This course includes elements that demonstrate the process of scientific thinking.
- 2. This course includes examinations of the ongoing development of theories, especially those used to describe the phenomena of the empirical world.
- 3. This course involves students in learning reasoning skills that enable them to derive conclusions which are based upon scientific evidence.
- 4. This course involves students in learning the skill of critiquing and evaluating scientific evidence and its limits.

Comments: _____

Signature - Department/Program Chair

Dept/Prog

Date

Signature - S,L,Q Committee

S,L,Q Committee
Committee

Date