*April 2023*

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| * The Liberal Education Subcommittee will accept Liberal Education course proposals from November 1 through February 1 to review courses for inclusion in the following year’s course catalog. Please consult your college and department for internal course review deadlines so that course proposals forms are in the Academic Affairs Office no later than February 1. Note: If the course is new, the department must also submit the separate New Course Proposal Form through the college’s curriculum review and approval process prior to submission to Academic Affairs (details, dates, form: <https://evcaa.d.umn.edu/curriculum-management/course-proposal-processes>).
* All course proposal form approvals may be submitted through email or as an attachment. Signatures may be provided on the form or with approval documented within the email message.
* Departments and colleges may involve curriculum committees as advisory in their review procedures. The campus Liberal Education Subcommittee reviews all Liberal Education course proposals for Academic Affairs.

**Category Description** Courses approved for liberal education credit in Logic and Quantitative Reasoning will develop students’ logic and/or quantitative reasoning skills and enable them to apply these skills to a variety of everyday situations.SLO 1: Students will appropriately translate problems to symbolic systems.SLO 2: Students will apply mathematical or logical reasoning to identify potential solutions.SLO 3: Students will evaluate whether mathematical or logical reasoning and conclusions are valid. |
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|  | Name (print) | Signature | Date |
| Department Head/Designee |  |  |  |
| Dean/Designee |  |  |  |
| EVCAA/Designee |  |  |  |
|  |  |  |  |
| Course Effective Term |  |
| Faculty Contact |  |
| Course Designator |  |
| [Catalog Number](http://www.dumn.edu/vcaa/Coursenumbering.html)  |  |
| Course Title  |  |
| Number of Credits |  |
| Course Description*(Must match approved course or course proposal description)* |  |
| Has this course been approved by Academic Affairs? |  |
| Course pre-requisites |  |
| How often will the course be offered? (every year, every other year) |  |
| **Category Criteria**This section asks how the course will address all of the criteria for this category. Please use examples to help illustrate that the course will substantially address the following criteria.*100 word minimum for each item response.* |
| Describe how the course will enable students to understand and use symbolic systems. [response required] |
| Describe how the course will develop students’ ability to recognize and exercise valid reasoning. [response required] |
| Describe how the course will help students to analyze and evaluate quantitative and/or logical problems. [response required] |
| **Course Assessment** Because LEP course assessment is an LEP requirement, this section asks how the student learning outcomes (SLOs) associated with this category will be assessed in the course. A full response to each question will include a detailed description of what students will do to demonstrate their learning of the SLOs. These descriptions are intended to explain the graded course components (or portions of them) that will be used for the LEP category’s course assessment report faculty complete as part of the campus’s LEP assessment practices. Please provide details that will allow the committee to understand why the measures are a good fit for the category’s SLOs. For example, you might want to give an example of a potential exam question or essay prompt, etc. If the same graded component is used to assess multiple SLOs, please be sure to identify the portion of the graded component or the evaluation tool (e.g., rubric or rating scale) used for each SLO in your description. *Note: For new courses, faculty are encouraged to include the Liberal Education category SLOs as course learning outcomes on the course proposal.* |
| SLO 1: Describe a graded course component(s) or portion(s) thereof that could be used for the LEP course assessment report completed for SLO 1: Students will appropriately translate problems to symbolic systems. [response required] |
| SLO 2: Describe a graded course component(s) or portion(s) thereof that could be used for the LEP course assessment report completed for SLO 2: Students will apply mathematical or logical reasoning to identify potential solutions. [response required] |
| SLO 3: Describe a graded course component(s) or portion(s) thereof that could be used for the LEP course assessment report completed for SLO 3: Students will evaluate whether mathematical or logical reasoning and conclusions are valid. [response required] |