

## Inquiry Core: Quantitative & Formal Reasoning

Submitting a course for inclusion in CSU's Inquiry Core Curriculum is an opportunity to think creatively about how you can spark students' curiosity and help them see the value of the knowledge and methods of your discipline.

### Inquiry Core Curriculum Requirements

All courses in the CSU Inquiry Core Curriculum must be:

- Offered at the 100- or 200-level;
- Accessible and inviting to first-year non-major students;<sup>1</sup>
- Adopt an Inquiry Orientation to design and delivery; and
- Include one or more Signature Assignments

### Quantitative & Formal Reasoning Requirements

All courses fulfilling the "Quantitative & Formal Reasoning" requirement must:

- Meet the learning outcomes for a specific course in the OT-36 category of *Mathematics, Statistics, and Logic*
- Develop and assess the Core Competency of *Collaboration* or *Quantitative Literacy*

### Instructions for Completion

- Complete this document in Adobe Acrobat Reader. If you find that you cannot enter any additional text in a textbox, it is because you are using an incompatible PDF reader.
- Include the [Core Curriculum Syllabus Statement](#) in your syllabus
- Attach this completed document, your syllabus, and an overview of your signature assignment(s) in Curriculog.

[The CSU Core Curriculum Handbook](#)

Contact the Core Curriculum Director: [corecurriculum@csuohio.edu](mailto:corecurriculum@csuohio.edu)

Course Code & Title

<sup>1</sup> Requirement does not apply to Math/Stats/Logic courses designed for specific majors with extensive content requirements governed by ODHE or other external bodies.

## OT36 Outcome Mapping

OT36 prescribes different specific learning outcomes for each course under the “Mathematics, Statistics, and Logic” category. To complete the appropriate mapping, you should do the following:

1. Visit the [OT36 Learning Outcomes page](#) and navigate to the “Ohio Transfer 36: Mathematics, Statistics and Logic” section.
2. Identify the appropriate course from the provided list and download the “Course Equivalency Management System (CEMS) Submission Preparation Template” document associated with it. You may also want to download the overview document (the first document associated with each course).
3. Complete the “Submission Preparation Template” and include it as an attachment in Curriculog.

## Inquiry Orientation

Core Curricular courses are expected to take an inquiry orientation toward course design, organization, and instructional method. While complete “Inquiry Based Education” is not required, courses should include the following two components, *which should also be explicitly reflected to students in the syllabus*:

- Organize learning around the exploration and investigation of problems or questions that would be of interest to and engaging for first year students;
- Require students to engage, individually or collaboratively, in some of the stages of inquiry.

[Learn more about designing for inquiry](#)

**Major Problems/Questions:** What are the major problems and/or questions that frame your course?

**Stages of Inquiry:** How will students be engaged in the inquiry process in the course? What activities and/or assignments will be used to develop students’ ability to engage in inquiry?

## Core Competency Mapping

The core competencies required are provided below. For each competency, do the following:

- (a) Indicate which two learning outcomes the course will especially focus on developing and assessing through one or more signature assignments. The available learning outcomes can be found on the [CSU Core Competencies](#) page of the [Core Curriculum Handbook](#).
- (b) Indicate how each identified learning outcome is taught, practiced, and developed in the course.

[CSU Core Competencies](#)

Core Competency 1:	
Core Competency Learning Outcome	How outcome is taught, practiced, and developed in the course

## Signature Assignments

Each core curricular course is required to have at least one signature assignment and to assess all chosen core competency learning outcomes through signature assignments. All signature assignments include two parts: some form of **authentic assessment** and a **reflection assignment** related to the assessment and/or course.

To complete this section, do the following:

- (a) Name and briefly describe the signature assignment
- (b) Indicate which core competency learning outcome(s) the signature assignment will assess and how it will do so.
- (c) Indicate how students will be prompted to engage in meaningful reflection about their learning in the course

*If you are using more than three signature assignments, include an additional attachment in Curriculog answering the same prompts as below for each additional signature assignment.*

[Learn more about Signature Assignments](#)

(a) Signature Assignment Name/Description	(b) Assessed Core Competency learning outcomes	(c) Reflection Assignment

## Inquiry Pathway

Core Curricular courses may be included in one or more established [Inquiry Pathways](#). Core courses are not required to be included in any pathway.

If you would like this course to be included in a pathway, answer the questions below

Pathway:
How will the course meaningfully and substantively contribute to the pathway theme?
Pathway:
How will the course meaningfully and substantively contribute to the pathway theme?