

Inquiry Core: Scientific Inquiry

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;
- Adopt an Inquiry Orientation to design and delivery; and
- Include one or more Signature Assignments

Scientific Inquiry Requirements

All courses fulfilling the "Scientific Inquiry" requirement must:

- Meet OT-36 *Natural Sciences* Learning Outcomes
- Develop and assess the Core Competencies of *Critical Thinking & Quantitative Literac*

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

Course Code & Title	Associated Lab Code & Title (if applicable)

OT36 Outcome	(a) Course Embed	(b) Assessment of Outcome	(c) Evidence of (a) and (b)
Apply scientific methods of inquiry appropriate to the discipline to gather data and draw evidence-based conclusions.			
Demonstrate an understanding that scientific data must be reproducible but that it shows intrinsic variation and can have limitations.			
Apply foundational knowledge and discipline-specific concepts to address issues or solve problems.			
Explain how scientific principles are used in understanding the modern world, and understand the impact of science on the contemporary world.			

OT36 Outcome	(a) Course Embed	(b) Assessment of Outcome	(c) Evidence of (a) and (b)
Gather, comprehend, apply and communicate credible information on scientific			

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?

If you are using more than three signature assignments,

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?