

Course Tag Reflection Exemplar
Scientific Inquiry & Research Skills

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PSY 420: Using Robots to Understand the Mind

Identify the course learning objectives in the syllabus that are clearly aligned to Scientific Inquiry & Research Skills and respective assignment(s).

Course learning objective 2, "To design and implement an experiment testing the cognitive model" is connected to Scientific Inquiry and Research Skills and is assessed via a set of connected assignments that require students to demonstrate their research design and deployment skills.

Explain the connection between specific assignment(s) and Scientific Inquiry & Research Skills. At least 30% of the course grade must engage students in the selected competency for the course to be tagged.

Students complete a final project, worth 40% of their grade, that includes constructing a proposal, writing software, running an experiment, and presenting the results.

Describe in detail the instructional strategies faculty use to intentionally teach Scientific Inquiry & Research Skills in the course.

Students are led through two or three (depending on student interest and achievement) guided design & implementation exercises over the course of the first eight weeks of the course. Students get practice programming, designing experiments and evaluating the results.

Describe the feedback tool(s) faculty use to support students' competency development on Scientific Inquiry & Research Skills.

Students receive feedback and grades on their preparatory exercises. They additionally receive faculty and peer feedback on a proposal for the project. Development of the project is supervised and supported by in-class one-on-one mentoring.