

PHYS 1370/PHIL 1255: Scientific Method (fall)

Calendar description: This course provides a historical and logical analysis of methods commonly used in science, and is normally taught by faculty from both the Department of Astronomy and Physics and the Department of Philosophy. Topics include science *vs.* pseudo-science, natural *vs.* social sciences, modes of reasoning, observation and experimentation, construction and empirical testing of theories and models, and thought experiments.

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Overview

This course and [PHYS 4370](#) (Philosophy of Physics) are intended to act as the “book-ends” to the Physics and Philosophy double major/honours programmes. This discussion-based course will serve as an anchor to the programme, and will attempt to foreshadow many of the ideas the students will come across over the following seven semesters.

Prerequisites

Nova Scotia grade 11 physics or chemistry or equivalent

Nova Scotia grade 12 math, or equivalent

Dependent courses

[PHYS 4370](#) Philosophy of Physics

Student Outcomes

Curriculum

Suggested texts

Notes to the instructor