

PHYD01H3 Fa 2023

Research Project

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Office Hours: By appointment

Course Description

Introduces students to current research in physics or astrophysics under the supervision of a professorial faculty member. Students undertake an independent project that can be of a theoretical, computational or experimental nature. Evaluation is by the supervising faculty member in consultation with the course supervisor. Students must obtain consent of the course

Course Evaluation

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Course Expectations

Course components

The research for the project should be conducted during the term of study.

Written proposal

The research proposal is the first major component of the independent research course. This document should:

Describe the topic and the motivation for the research.

- Why is this a good area for study? What is its significance? What problems does it solve or contribute to solving?

Make connections between the proposed research and the existing literature. This should include properly cited references.

Identify the specific question(s) the research project will answer or explore.

Specify what methods or techniques you will use to carry out the research.

- This should make clear whether you have an understanding of these techniques and seek to apply them or if you are also developing these skills.

Create benchmarks for accomplishing the intended work, e.g., set out an expected timeline for the term.

Identify anticipated challenges and a

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Please note that supervisors can take the quality and content of the progress update into account when determining the progress grade but may also consider other factors.

Final report

Student must produce a substantive written report containing significant analysis and interpretation of a previously approved topic.

The report shall be 5 – 10 pages and use 12 point font, single line spacing, and 2 cm page margins. This length includes figures and excludes references or appendices. Latex is preferred. If using Word, please submit final files as a PDF.

The Centre for Teaching and Learning (CTL) has a writing centre with resources and staff to

Relevant U of T Policies

Academic Integrity

The University treats cases of cheating and plagiarism very seriously. The University of Toronto's Code of Behaviour on Academic Matters outlines the behaviours that constitute academic dishonesty and the processes for addressing academic offences.

Details: <http://www.governingcouncil.utoronto.ca/policies/behaveac.htm>

Potential offences in papers and assignments include using someone else's ideas or words without appropriate acknowledgement, submitting your own work in more than one course without the permission of the instructor, making up sources or facts, obtaining or providing unauthorized assistance on any assignment.

On tests and exams cheating includes using or possessing unauthorized aids, looking at someone else's answers during an exam or test, misrepresenting your identity, or falsifying or altering any documentation required by the University, including (but not limited to) doctor's notes.

Accessibility

Students with diverse learning styles and needs are welcome in this course. In particular, if you have a disability/health consideration that may require accommodations, please feel free to approach me and/or the AccessAbility Services as soon as possible.

AccessAbility Services staff (located in Room AA142) are available by appointment to assess specific needs, provide referrals and arrange appropriate accommodations 416-287-7560 or email ability.utsc@utoronto.ca. The sooner you let us know your needs the quicker we can assist you in achieving your learning goals in this course.