

PHYD01H3 Fall 2022

Research Project in Physics and Astrophysics

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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 supervisor to enroll in this course.

Supervisors can be physics or astronomy faculty members at any U of T campus.

Prerequisites:

Course Expectations

Students should learn about all aspects of conducting the research from the supervisor. Students will be asked to submit work to the supervisor, i.e., the proposal, progress report, and final report. The course coordinator must also be sent a copy of this work for their records. The student will present their project to their supervisor, the course coordinator, as well as other faculty and students at the end of the term.

Students will spend as much time as necessary do to the research properly. However, UTSC regulations impose a limit of approximately six hours per week for the project. This aligns with a standard course that has three hours per week of class time plus a few hours for readings and homework.

Undergraduate research projects are expected to involve independent research, enabling academic accountability and evaluation of the work of each student. When more than one student is involved in a project, the roles of each student should be clearly specified in the course and research proposals so that some degree of independence can be assured.

Course organization

Meetings with supervisors

Students will meet regularly with their supervisor to discuss the research project being undertaken. The frequency of these meetings is up to the student and supervisor. It is suggested that meetings should be weekly.

There must be meetings a minimum of twice per month.

While it may be agreed that a student is responsible for setting meeting times with the supervisor, the supervisor has a responsibility for ensuring meetings occur should a student fail to arrange regular meetings. If a students or supervisor has concerns about meetings, they should contact the course coordinator.

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

Final presentation

Relevant U of T Policies

Academic Integrity

The University treats cases of cheating and plagiarism very seriously. The University of academic dishonesty and the processes for addressing academic offences.

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

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 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