

University of Maryland Department of Physics
PHYS406: Undergraduate Physics Experimental Research
Project Proposal Form
V2.0 May 2024

Student Name: _____ UID: _____

Faculty Mentor: **Dr. John Doe** | Research Area: **Neuroscience**

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1) Describe the proposed experiment. Attach an extra sheet if necessary. Note: computational, theoretical, and purely data-analysis projects are not valid for Phys 406/407. The experiment must be centered upon laboratory work, and the student must directly operate most of the instrumentation and must analyze the data.

2) Identify key instrumentation that will be used in the experiment. For each instrument, specify its location and its current status: in-hand and functional, in-hand and needing upgrades, repairs, or maintenance, or out for repairs. Specify if new instrumentation will be developed and constructed as part of the research project, and identify new instrumentation that will be purchased. Identify who will be the primary operator of each instrument, and identify any secondary operators or support personnel for each instrument.

- 5) Specify the experimental tasks for which the student will take sole responsibility.

- 6) Briefly describe the proposed schedule for Phys 406, including a few key milestones.

Note: This approval constitutes permission to register for PHYS406 as a pre-requisite for PHYS407. At the end of Phys 406, the student will submit his or her laboratory notebook and a written Phys 407 project proposal (2 – 4 pages long) describing the preliminary data and results gathered in Phys 406. Permission to register for PHYS407 will be granted if sufficient progress has been made.

Student's Signature: _____ Date: _____

Approval:

Faculty Mentor: _____ Date: _____

LabCom Chair: _____ Date: _____

Associate Chair: _____ Date: _____