

## PHY 494 – Senior Projects

Catalog Data	Special research in a recognized branch of physics, usually related to the research carried out by the department. A critical written analysis of the results is required.
Credit Hour	3 credits - repeatable
Textbook	None
References	None
Coordinator	Lok C. Lew Yan Voon, Chair of Physics
Goals	This is the capstone course in the physics program. Students must bring together all they have learned to complete an extensive individual design/development/research project similar to one they might encounter as a working professional. This will require a literature search, laboratory and/or computer work, analysis and interpretation of results, an extensive written final report, and a seminar presentation.
Prerequisites	Senior standing in Physics and permission of the department.
Topics	Variable
Computer Usage	Variable
Lab Projects	Variable
Writing Intensive	<p>This course is writing intensive. The objectives of the writing are</p> <ul style="list-style-type: none"><li>• To help students think critically about course material by writing about it.</li><li>• To give students a chance to exercise their editing skills.</li><li>• To help students learn the conventions of writing in their own field of study.</li></ul> <p>Written progress reports will be required on a regular basis. The writing evaluation will be based upon the written final report.</p>