

PHY 460.091 – Research in Physics
A DNA nanotechnology review

Instructor: Dr. Chamaree de Silva (SEB 244)
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Texts Students will be required to research the literature and may be provided with primary research and review articles germane to the topic(s) throughout the semester of enrollment.

Course Description Students will participate in physics faculty-mentored research projects on the basis of 3 hours per week per credit hour. The nature of the project will be determined by the instructor. The project will require student participation in the library, and/or discussion sessions of the primary literature.

Course Objectives

1. To acquaint the student with the processes of scientific research, including experimental design, data collection and organization, and review of the primary literature.
2. To provide the student with an opportunity to work with a faculty member in an open-ended process as opposed to the routine and often predictable standard laboratory exercises.
3. To expose the student to writing a review article based on primary literature.

Course Grading Requirements

A grade of satisfactory or unsatisfactory will be assigned based on weekly fulfillment of the minimum hours of participation, evidence of autonomy (*e.g.*, punctuality, reliability, quality of work without supervision), progress reports, and submission of a review article that is of publication-quality in a peer-reviewed journal.

Disability Statement

Students requiring accommodations for a disability should inform the instructor at the close of the first class meeting or as soon as possible. The instructor will refer you to the ACCESS and Accommodation Office to document your disability, determine eligibility for accommodations under the ADA/Section 504 and to request a Faculty Accommodation Form. Disability accommodations or status will not be indicated on academic transcripts. In order to receive accommodations in a class, students with sensory, learning, psychological, physical or medical disabilities must provide their instructor with a Faculty Accommodation Form to sign. Students must return the signed form to the ACCESS Coordinator. A new form must be requested each semester. Students with a history of a disability, perceived as having a disability or with a current disability who do not wish to use academic accommodations are also strongly encouraged to register with the ACCESS and Accommodation Office and request a Faculty Accommodation Form each semester. For further information, please contact Carole Burrowbridge, Director and ADA/504 Coordinator, at 301-2778 or visit the ACCESS and Accommodation Office website at <http://www.mercer.edu/disabilityservices>