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## Course Descriptions - Engineering Physics

Professors: Bunch, Ditteon, Duree, Granieri, Joenathan, Kirkpatrick, Kirtley, Lepkowicz, Letfullin, McInerney, Moloney, Siahmakoun, Syed, Wagner, and Western.

*NOTE:* In courses which include a laboratory, satisfactory completion of the laboratory work is required in order to pass the course.

### EP 290 Directed Study Credit arranged Pre: Consent of instructor

Research for freshmen and sophomore students under the direction of a physics or optical engineering faculty member. May earn up to a maximum of 2 credits for meeting the graduation requirements. The student must make arrangements with a faculty member for the research project prior to registering for this course.

### EP 415 Engineering Physics Projects I 4C S Pre: RH 330 and consent of the instructor

Team-oriented and/or independent design project work on selected topics in any engineering discipline but related to concepts to strengthen both the application and physics and engineering, design of project, building of prototype, experiments to test components and systems, market analysis.

### EP 416 Engineering Physics Projects II 4C F Pre: Consent of the instructor

Follow up course to EP415. To be taken as a sequence from the same department where EP415 was taken.

### EP 417 Engineering Physics Projects III 2R-6L-4C W Pre: Consent of the instructor

Follow up course to EP416. To be taken as a sequence from the same department where EP415 and EP416 were taken.

### EP 490 Directed Study Credit arranged Pre: Consent of instructor

Research for junior and senior students under the direction of a physics or optical engineering faculty member. May earn up to a maximum of 2 credits for meeting the graduation requirements. The student must make arrangements with a faculty member for the research project prior to registering for this course.

### EP Electives:

Courses from any science or engineering department which are of relevant level to the area concentration. If not in the area concentration, courses should be 300 level or above. It is recommended that students take a sequence of classes from the area concentration. This will fulfill engineering science elective in their engineering curriculum.

#### Contact

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