

Course Detail Information	
Course Number:	1051-211
Course Name:	PROGRAMMING FOR IMAGING SCIENCE
Course Title:	PROGRAMMING FOR IMG SCI
Course Description:	<p>This course will introduce the student to the IDL environment as a data visualization tool and a programming language. The student will learn the various capabilities of the package and how they can rapidly prototype solutions to various science and engineering problems. As these solutions are developed, fundamental concepts of programming and data structures will be introduced.</p> <p>Programming assignments will include fundamental imaging related problems and will work with scalar, vector and array processes. This course will emphasize the need for concrete problem definition, problem decomposition into smaller sub-problems, implementation/testing, and presentation/documentation of the algorithm and results. (Algebra and trigonometry) Class 4, Credit 4 (F)</p>
Credit Hours:	4
Course Notes:	
Section Types Offered:	Lecture
Replaces Course:	2051-211
Future Term Offerings:	<i>No future term offerings currently available.</i>