

### Course Detail Information

<b>Course Number:</b>	1051-361
<b>Course Name:</b>	DIGITAL IMAGE PROCESSING I
<b>Course Title:</b>	DIGITAL IMAGE PROCESS I
<b>Course Description:</b>	<p>This course is an introduction to the basic concepts of digital image processing. The student will be exposed to image capture and image formation methodologies, sampling and quantization concepts, statistical descriptors and enhancement techniques based upon the image histogram, point processing, neighborhood processing, and global processing techniques based upon kernel operations and discrete convolutions as well as the frequency domain equivalents, geometrical operations for scale and rotation, and grey-level resampling techniques. Emphasis is placed on applications and efficient algorithmic implementation using the IDL programming language. (1016-283, 1016-305, 1051-211 or equivalent) Class 4, Credit 4 (F)</p>
<b>Credit Hours:</b>	4
<b>Course Notes:</b>	
<b>Section Types Offered:</b>	Lecture
<b>Replaces Course:</b>	<b>1051-461</b>
<b>Future Term Offerings:</b>	<i>No future term offerings currently available.</i>