

Course Detail Information	
Course Number:	1051-463
Course Name:	DIGITAL IMAGE PROCESSING III
Course Title:	DIGITAL IMAGE PROC III
Course Description:	<p>This course discusses the digital image processing concepts and algorithms used for the analysis of hyperspectral, multispectral and multi-channel data in remote sensing and other application areas. Concepts are covered at the theoretical and implementation level using current, popular commercial software packages and high-level programming languages for examples, homework and programming assignments. The requisite multivariate statistics are presented as an extension of the univariate statistics to which the students have been previously exposed. Topics to be covered will include methods for supervised data classification, clustering algorithms and unsupervised classification, multispectral data transformations, data redundancy reduction techniques, image-to-image rectification, and data fusion for resolution enhancement. (1051-211 or equivalent, 1051 462, 1016-314) Class 4, Credit 4 (S)</p>
Credit Hours:	4
Course Notes:	
Section Types Offered:	Lecture
Replaces Course:	2051-463
Future Term Offerings:	<i>No future term offerings currently available.</i>