

Instructor:

Prof. Hector Erives; Phone: 505-835-5932; Email: erives@ee.nmt.edu.

Textbook:

Image Processing, Analysis, and Machine Vision, Milan Sonka, Vaclav Hlavac, Roger Boyle, 4th Edition

References:

-Digital Image Processing, Rafael C. Gonzalez, Richard E. Woods, 3rd Edition
-Image Processing, Analysis, and Machine Vision, A MATLAB companion, Tomsa Svoboda, Jan Kybic, Vaclav Hlavac.

Software:

MATLAB, and possibly C.

Class Schedule:

TR: 9:30-10:45 A.M., Workman 187

Office Hours:

TBA

Prerequisites

Digital Signal Processing (EE 451/L), MATH 254, 382, or consent of the instructor and senior or graduate status.

Course Overview:

The objective of this course is to provide senior and graduate students with an introduction to basic concepts and a foundation on digital image processing, which may be used as the basis for advanced study and research in this field.

Grading:

- Homework: 20% (30% deduction for late homework, scribbled homework not accepted)
- Class Participation: 20%
- Midterm exam (In-class-50%, Take-home-50%): 30%
- Final project: 30% (Presentation-50%, Report-50%)

Academic honesty

All students are expected to demonstrate personal integrity. Interaction among students regarding homework assignments are strongly encouraged, however each student must show his/her individual effort. Exchange of information during in-class or take-home examinations as well as copying homework/project solutions from each other is strictly prohibited. Students exhibiting any form of academic dishonesty will be subject to penalties in accordance with NMT policies.