

Date	Schedule
2-Apr	Linear Systems, Properties of Linearity, Superposition and Decomposition Prog Assignment 1 goes out
7-Apr	Delta Function, Convolution, Calculus like operations, Convolution on 2D Images (Seaparable Filters)
9-Apr	Edge Crispening, Edge Detection, Low and High Pass Filters, Bandpass Filters
14-Apr	Properties of Convolution, Correlation, Feature Detection (In 1D and 2D) Prog Assignmnet 1 due Prog Assignment 2 goes out
16-Apr	Discreet Fourier Transform Written Assignment 1 goes out
21-Apr	Discreet Fourier Transform, Spectral Analysis of Signals, Frequency Response, Convolution
23-Apr	Properties of Fourier Transform
28-Apr	Fourier Transform Pairs, Review
30-Apr	Continuous Signal Processing Written Assignment 1 due Written Assignment 2 goes out
5-May	Digital Filters, Noise Cleaning, Midterm Discussion Prog Assignmnet 2 due Prog Assignment 3 goes out
7-May	Midterm
12-May	Image Sampling, Reconstruction, Display, Resampling and Quantization Written Assignment 2 due
14-May	Image Enhancement and Histogram Processing

Prog Assignmnet 3 due

Prog Assignment 4 goes out

19-May Geometrical Image Processing

Written Assignment 3 goes out

21-May Morphological Image Processing

26-May Image Segmentation

28-May Color Models

2-Jun Image Compression

Written Assignment 3 due

Programming Assignment 4 due

4-Jun Review