EE6427 VIDEO SIGNAL PROCESSING

Acad Unit: 3.0  
Prerequisite: Nil  
Effective: Acad Year 1999-2000 (Semester 2)  
Last update: Aug 2001

OBJECTIVE
The objective of this course is to provide students with knowledge in video signal processing. This course focuses on advanced topics in video processing, especially on the image and video filter, video compression, and some international standards for image and video processing. All of these topics are important to the understanding the nowadays video technologies and applications.

DESIRED OUTCOME
Through this course, students are expected to achieve a deep knowledge of video compression, and some international standards for image and video processing. Besides, it is hope that through learning the theories that may help students to develop some state-of-the-art video processing applications. This course will also arouse students’ interest in the course and further motivate them towards developing their career in the area of multimedia processing.

OTHER RELEVANT INFORMATION
This course is intended for postgraduates. A prior exposure to signal processing, through coursework and/or experience, is assumed.

CONTENT

ASSESSMENT SCHEME
Continuous Assessment  20%  
Final Examination  80%

TEXTBOOKS

REFERENCES