

EE6403

DISTRIBUTED MULTIMEDIA SYSTEMS

Acad Unit: 3
Pre-requisite: Nil
Effective: Academic Year 2013-2014
Last update: January 2013

LEARNING OBJECTIVE

This course aims at providing students with a good understanding of the basic concepts, technologies, and applications of distributed multimedia systems. Students will learn different important aspects of distributed multimedia systems including media systems, compression and standards, processing and storage, transmission and delivery, quality of service, and applications.

CONTENT

Media and Media Systems. Media Compression and Standards. Media Processing and Storage. Media Transmission and Delivery. Quality of Service on Distributed Multimedia Systems. Multimedia Applications.

LAB DESCRIPTION (if applicable)

Nil

LEARNING OUTCOME

After the course, students are expected to have a good understanding of distributed multimedia systems and technologies, and be able to apply the concepts and techniques learned to practical applications.

STUDENT ASSESSMENT

Continuous Assessment	20%
Final Examination	80%

TEXTBOOKS

1. Ze-Nian Li and Mark S. Drew, Fundamentals of Multimedia, Prentice Hall, 2004.
2. William Stallings, Data and Computer Communications, 9th Edition, Pearson, 2011.

REFERENCES

1. Yao Wang, Jorn Ostermann, Ya-Qin Zhang, Video Processing and Communications, Prentice Hall, 2002.
2. Patrick Ciccarelli, Christina Faulkner, Jerry FitzGerald, Alan Dennis, David Groth, Toby Skandier, Frank Miller, Networking Basics, 2nd Edition, Wiley, 2013.
3. Andrew S. Tanenbaum, David J. Wetherall, Computer Networks, 5th Edition, Pearson, 2011.