Course: CSCI3280  Course ID: 002598  Eff Date: 2022-07-01  Crse Status: Active  Apprv. Status: Approved

Introduction to Multimedia Systems

This course covers the design and implementation of modern multimedia systems. Topics include multimedia systems design, multimedia data representation, multimedia hardware and software, multimedia communication and networking, multimedia programming and multimedia information systems.

Grade Descriptor:

A
EXCELLENT - exceptionally good performance and far exceeding expectation in all or most of the course learning outcomes; demonstration of superior understanding of the subject matter, the ability to analyze problems and apply extensive knowledge, and skillful use of concepts and materials to derive proper solutions.

B
GOOD - good performance in all course learning outcomes and exceeding expectation in some of them; demonstration of good understanding of the subject matter and the ability to use proper concepts and materials to solve most of the problems encountered.

C
FAIR - adequate performance and meeting expectation in all course learning outcomes; demonstration of adequate understanding of the subject matter and the ability to solve simple problems.

D
MARGINAL - performance barely meets the expectation in the essential course learning outcomes; demonstration of partial understanding of the subject matter and the ability to solve simple problems.
有关等級說明的資料，請參閱英文版本。

F

FAILURE = performance does not meet the expectation in the essential course learning outcomes; demonstration of serious deficiencies and the need to retake the course.

Equivalent Offering:
Units: 3 (Min) / 3 (Max) / 3 (Acad Progress)
Grading Basis: Graded
Repeat for Credit: N
Multiple Enroll: N
Course Attributes:

Topics:

COURSE OUTCOMES

Learning Outcomes:
1. Be able to understand the fundamental technologies used in modern multimedia systems;
2. Be able to understand how different media are digitally represented;
3. Be able to understand the popular audio, image, and video standards;
4. Be able to understand the basic algorithms used in multimedia standards;
5. Be able to know the capabilities and limitations of these technologies;
6. Be able to work collaboratively on interesting multimedia project.

Course Syllabus:
This course covers the design and implementation of modern multimedia systems. Topics include multimedia systems design, multimedia data representation, multimedia hardware and software, multimedia communication and networking, multimedia programming and multimedia information systems.

Assessment Type:
Essay test or exam : 50%
Others : 50%
Feedback for Evaluation:
1. The course will be evaluated by course evaluation done by the students;
2. Results of assignments;
3. Results of project;
4. Results of examination;

Required Readings:
4. Other supplementary reading will be determined by the course instructor;

Recommended Readings:

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<th>OFFERINGS</th>
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<tbody>
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<td>1. CSCI3280</td>
<td>Acad Organization=CSD; Acad Career=UG</td>
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<table>
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