

COP-4722 Survey of Database Systems

Course Change Justification

This advanced database course is an elective for both Computer Science and Information technology majors. Several new topics have evolved in database field over the past decade such as XML, information retrieval, NOSQL, big data, etc. These topics have been augmented in this course to educate students in these emerging technologies. This enables students to acquire competitive skills for the industry needs.

To accommodate these new topics in this course, topics of low significance such as object-oriented, spatial, temporal, and multimedia databases need to be removed. Moreover, the title of the course needs to reflect the new content. Hence, this proposal includes a revised syllabus with new course outcomes and requests for a new course title as “Advanced Database Management”.

This course change is necessary to have appropriate course outcomes relevant to the topics of the syllabus so that students can provide meaningful course assessment.