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Database in the IS 2002 Model Curriculum: What Works?

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DATABASE IN THE IS 2002 MODEL CURRICULUM: WHAT WORKS?

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The panel will discuss how database content is covered in current program offerings, with reference to the IS 2002 model curriculum specifications. Presenters and audience can discuss how to teach database content, lessons learned, tools used, tips for being more effective, texts or readings, projects, project evaluations, and possible cross-university collaborations. One organizing topic for discussion will be a comparison of model curriculum specifications with the realities of our institutional constraints (e.g., AACSB or NOT, quarter vs. semester, business vs. NOT, graduate vs. undergraduate, etc.). A discussion goal for this panel session is to gain a sense of where educators are versus the model curriculum guidelines and to forge an understanding of where we can head in the future. The IS 2002.8 course specification is as follows:

IS 2002.8 – Physical Design and Implementation with DBMS (Prerequisite: IS 2002.5 and IS 2002.7)

CATALOG: Students successfully completing the analysis and logical design course will continue in this course to learn to develop the detailed physical design and implementation of a logical design.

SCOPE: This course covers information systems design and implementation within a database management system environment. Students will demonstrate their mastery of the design process acquired in earlier courses by designing and constructing a physical system using database software to implement the logical design.

TOPICS: Conceptual, logical, and physical data models, and modeling tools; structured and object design approaches; models for databases: relational and object oriented; design tools; data dictionaries, repositories, warehousing, and data mining; database implementation including user interface and reports; multi-tier planning and implementation; data conversion and post implementation review.