Information Sciences

IS 561  Information Modeling  credit: 4 hours.

An introduction to the foundations of information modeling methods used in current digital library applications. The specific methods considered include relational database design, conceptual modeling, markup systems, and ontologies. The basic concepts underlying these methods are, respectively, relations, entities, grammars, and logic. Implementations include relational database design, ER/EER/UML diagrams, XML markup languages, and RDF/OWL semantic web languages. First order logic is emphasized throughout as the foundational framework for information modeling in general, and for contemporary web-based information management and delivery systems (including semantic web technologies) in particular. 4 graduate hours. No professional credit.

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Restricted to Graduate - Urbana-Champaign.
This is a required course for the MSIM degree. For MSLIS students IS 501, or concurrent enrollment in IS 501 and IS 561 is required.

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Restricted to students in the Information Sciences department.

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