Information structure
Knowledge Representation, Ontologies, and Information Architecture

Organizations consider information an asset to be exploited, used, and reused, be it in the form of library collections, a collection of learning materials used for computer-based distributed training, a catalog of Web sites related to the organization's mission, or a collection of all kinds of corporate documents, from internal memos and reports to a staff manual, to press releases and product descriptions.

People increasingly realize that information cannot be fully accessed or used or re-used to best advantage unless it is structured and organized in accordance with user requirements.
Macro-structure: organization or indexing of materials for retrieval
Micro-structure: Inside structure for presentation and reuse (e.g., document templates, XML)

Skills in devising schemes for organizing and structuring information for the purposes of specific user groups and in applying these schemes to a body of information are highly valued in the market place. It is a skill that sets people from information studies programs apart.

Core course: LBSC 670 Information structure

Information Structure relates to the other core areas as follows:
> It draws on *Information Use* to structure information in accordance with user requirements.
> It uses *Information Technology* for implementation.
> It provides tools to *Information Access*.

This **concentration** involves the conceptual organization and representation of information to assist users in **information retrieval** and learning in corporate intranets and corporate portals, Web sites, printed and online reference tools, and digital and physical libraries and learning centers. The concentration prepares students for positions such as information architect, content manager, ontologist, thesaurus editor, lexicographer, cataloger, digital librarian.

Courses

LBSC 770 Bibliographic control LBSC 772 Seminar in the Organization of Knowledge LBSC 773 Classification Theory LBSC 774 Seminar in Linguistic Topics LBSC 775 Index Languages and Thesauri LBSC 792 Introduction to Expert Systems LBSC 793 Database Design LBSC 878 Doctoral Seminar in Information Studies Course work in Linguistics, Cognitive Psychology, and Computer Science Also courses in information retrieval and digital libraries	Students specializing in Information Architecture might also consider: LBSC 794 Principles of Software Evaluation LBSC 795 Principles of Human-Computer Comm Course work on document design in English, Communication, or Journalism .

Faculty whose main interests and scholarly work are in this area
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