

MSIS Course Changes effective Fall 2019

New Courses

INSC 506 edTPA Seminar (1)

Integrates foundational concepts of librarianship, including academic language and the discovery, use, and evaluation of information, into K-12 information literacy instruction and school library program administration. Preparation for the edTPA capstone experience.

Registration Permission: Restricted: open only to students required to complete the edTPA for school librarianship licensure and endorsement.

INSC 511 Information Concepts and Foundations (3)

Required course. Introduction to foundational concepts and theories, principles, and models of Information Sciences, including information behavior. History and nature of the discipline. Information policy, and the role of information in society. Evolution and scope of the information professions and their central issues, values, and ethical frameworks.

INSC 512 Information Organization and Retrieval (3)

Required course. Introduction to subject vocabularies and classification systems; theories and methods of information organization and retrieval, including approaches to evaluating information retrieval systems. Practical, ethical, and representational issues related to IR systems implementation.

INSC 514 Information Technology Foundations (3)

Introduction to foundational concepts; theories, models, and frameworks for designing, adopting, learning, and using information technology (IT); analysis, evaluation and management of electronic tools and resources; trends, capabilities, and limitations of information technologies for accessing, managing, and applying information from service user and service provider perspectives in various information settings.

INSC 524 Metadata (3)

Explores the role of metadata in our evolving information ecosystem(s) with an emphasis on metadata in the digital environment. Development and use of metadata schemas in information communities, including digital libraries, museums, and archives; scientific data centers, and governmental organizations. Interoperability, metadata models, ontologies, metadata for the semantic web, metadata generation, metadata and search engines, metadata quality, and the evaluation of metadata schemas and tools. Enabling technologies used to create machine-understandable metadata (e.g., XML and RDF).

Prerequisite(s): 520 or 512.

INSC 538 User Instruction (3)

Theory, strategy, design, and practice in providing instructional services and technology for end users of information and information systems. Includes practical experience.

INSC 558 Planning and Assessment (3)

Overview of history of and issues related to planning and assessment in libraries and other information organizations, including approaches, methods, and tools.

INSC 586 Usability Testing and Evaluation (3)

Comprehensive overview of theory and practice of usability evaluation. Assessing information systems from a user-centered design perspective using methods including usability testing, heuristic evaluation, web analytics, eye tracking and interaction modeling. Focus on usability testing and its various techniques including Think Aloud protocol, performance testing, face-to-face testing and remote testing.

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Revised Courses

INSC 533 Humanities and Social Sciences Sources, Services, and Scholarship (3)

Information sources in history, philosophy, religion, classical studies, folklore, and mythology; anthropology, sociology, linguistics, and language; psychology, geography, political science, business, and economics; communication, information science, and education; fine arts, performing arts, and literature. Scholarly communication patterns of humanists and social scientists.

Prerequisite(s): 530 or 531.

INSC 543 Spatial Data Management (3)

Introduces the concepts related to spatial data management, including types of spatial data, spatial data discovery, data curation, and spatial dataset metadata creation. Issues related to research data management policies and related information services.

INSC 592 Introduction to Data Analytics and Visualization (3)

Introduces the concepts of big data and data analytics in academics, businesses, sciences, the Web, etc. To master basic concepts and process of data analytics. To practice data mining techniques and skills (ETL). To design effective information visualizations.

INSC 596 Field-Based Experience in School Libraries (1-2)

Prescribed activities to gain competencies in a school library. Must be taken twice.

Revised Course Titles Only

INSC 551 School Libraries (3)

Formerly: School Library Media Centers

INSC 571 Children's Materials (3)

Formerly: Resources and Services for Children

INSC 572 Young Adult Materials (3)

Formerly: Resources and Services for Young Adults

INSC 595 Student Teaching in School Libraries (9)

Formerly: Student Teaching in School Library Information Centers