

Schedule Types: [Practicum](#) or [Internship](#)

Regional College Department

Course Attributes:
Experiential Learning Requirem

IAKM 41096 - INDIVIDUAL INVESTIGATION IN INFORMATION ARCHITECTURE, INFORMATION USE OR KNOWLEDGE MANAGEMENT

(Repeatable for credit) Research or individual investigation for baccalaureate level students at or above the junior level. Prerequisite: Permission of instructor.

1.000 TO 3.000 Credit hours

1.000 TO 3.000 Other hours

Levels: Undergraduate

Schedule Types: Individual Investigation

Library and Information Sci Department

IAKM 60001 - INFORMATION ARCHITECTURE AND KNOWLEDGE MANAGEMENT IN CONTEXT

(Cross-listed with IAKM 80001) Overview of the Information Architecture and Knowledge Management (IAKM) program and its concentrations. Basic skills and understandings in information literacy, organization of knowledge, information sources and searching. Information sciences, systems, and professionals in the information society. Prerequisite: Graduate standing.

3.000 Credit hours

3.000 Lecture hours

Levels: Graduate

Schedule Types: Lecture

Library and Information Sci Department

IAKM 60002 - KNOWLEDGE ORGANIZATION STRUCTURES, SYSTEMS AND SERVICES

Introduction to various types of knowledge organization systems/services/structures (KOS) used in the networked environment. Understanding of the functional, philosophical, logical and linguistic fundamentals of KOS. Explanation of design options, features of KOS, and procedures to be used in the thesaurus, taxonomy and ontology construction. Prerequisite: graduate standing.

3.000 Credit hours

3.000 Lecture hours

Levels: Graduate

Schedule Types: [Lecture](#)

Library and Information Sci Department

IAKM 60101 - INFORMATION ARCHITECTURE

Introduction to the fundamental concepts and practices of information architecture (IA). Students develop practical skills for comparing, analyzing, critiquing and designing information architectures. Major topics include organization, navigation, labeling, search and other core IA concepts. Students learn to create blueprints, wireframes, process flows and other documents used to communicate an information architecture design. Prerequisite: graduate standing.

3.000 Credit hours

3.000 Lecture hours

Levels: Graduate
Schedule Types: Lecture

Library and Information Sci Department

IAKM 60102 - INFORMATION AND VISUAL DESIGN

This course provides a cultural and technological context for understanding the information design process. Topics include: basic design and typographic principles, aesthetics and information design, functional integration of visual and verbal elements, creation and use of information graphics visualization of quantitative information and visual navigation systems. Prerequisite: graduate standing.

3.000 Credit hours
3.000 Lecture hours

Levels: Graduate
Schedule Types: Lecture

Library and Information Sci Department

IAKM 60103 - RESEARCHING THE USER EXPERIENCE

Design research seeks to understand user needs, goals and tasks. Deals with research methods for human-centered design of information-rich artifacts and experiences. Covers interviews, surveys, diary studies and other methods applicable to the formative stages of the design process. Students learn to distill research findings into audience segments, user profiles, personas, scenarios and other documents that model user behavior. Prerequisite: graduate standing.

3.000 Credit hours
3.000 Lecture hours

Levels: Graduate
Schedule Types: Lecture

Library and Information Sci Department

IAKM 60104 - USABILITY I

Provides a conceptual and practical overview of the processes and methods of usability testing, such as Think Aloud protocols, performance measurements and eye-tracking analysis. Actual usability testing is performed, using quantitative and qualitative methods and employing current and emerging software tools to facilitate data collection and analysis. Prerequisite: graduate standing.

3.000 Credit hours
3.000 Lecture hours

Levels: Graduate
Schedule Types: Lecture

Library and Information Sci Department

IAKM 60105 - INFORMATION TECHNOLOGIES

(Cross-listed with IAKM 80105) Covers four aspects of information technology: essential technology concepts, the making of software, the social consequences of information technology and the role of non-programmers in technology design. Topics include operating systems, networks, search engines, markup languages, social software, dynamic languages, cloud computing, open source software, technology trends and the history of computing. Prerequisite: graduate standing.

3.000 Credit hours

3.000 Lecture hours

Levels: Graduate

Schedule Types: [Lecture](#)

Library and Information Sci Department

IAKM 60110 - CONTENT MANAGEMENT SYSTEMS

(Cross-listed with IAKM 80110) This course provides an overview of the concepts and practices of Content Management (CM) and Content Management Systems (CMS), including understanding the parts and branches of a CMS criteria for selecting a CMS, CMS configuration, and evaluating and implementing CMS software.

Prerequisite: IAKM 60105 or 80105; and graduate standing.

3.000 Credit hours

3.000 Lecture hours

Levels: Graduate

Schedule Types: Lecture

Library and Information Sci Department

IAKM 60111 - ONLINE BRANDING

(Cross-listed with IAKM 80111) This course will focus on the strategies needed to advance brands through effective online experiences including web sites, intranets extranets and emerging web technologies. Students will also learn how to extend the brand through personalization, localization and other segmentation techniques. Prerequisite: graduate standing.

3.000 Credit hours

3.000 Lecture hours

Levels: Graduate

Schedule Types: Lecture

Library and Information Sci Department

IAKM 60112 - ADVANCED INFORMATION ARCHITECTURE

Web site design from emerging directions, such as the separation of content from presentation with e.g., the use of Cascading Style Sheets (CSS) for formatting web-based documents. The course includes considerations of making web sites compliant with federal regulations or other standards and validation for various markup guidelines. Prerequisite: IAKM 60101 or 80101; and graduate standing.

3.000 Credit hours

3.000 Lecture hours

Levels: Graduate

Schedule Types: Lecture

Library and Information Sci Department

IAKM 60113 - USER AND TASK ANALYSIS

In order to design and develop effective user interfaces, task analysis process and theory are explored and applied via principles drawn from anthropology, ethnography, cognitive psychology, document and instruction systems design and market research. Practical techniques and methodologies are presented to improve interface design through all phases of the design process. Prerequisites: IAKM 60120 or IAKM 80120 with a minimum grade of C (2.000); and IAKM 60121 or IAKM 80121 with a minimum grade of C (2.000); and IAKM 60103 or IAKM 80103 with a minimum grade of C (2.000); and graduate standing.

3.000 Credit hours
3.000 Lecture hours

Levels: Graduate
Schedule Types: Lecture

Library and Information Sci Department

IAKM 60114 - USABILITY II

Provides students with an understanding of qualitative and quantitative research methods appropriate for conducting advanced studies of human interaction with computers. In addition, students learn how to evaluate, purchase, implement and operate equipment for usability labs in a manner consistent with research methods. Prerequisites: IAKM 60104 or 80104; and graduate standing.

3.000 Credit hours
3.000 Lecture hours

Levels: Graduate
Schedule Types: Lecture

Library and Information Sci Department

IAKM 60120 - USER EXPERIENCE DESIGN PRINCIPLES AND CONCEPTS

(Slashed with IAKM 80120) Students explore the context in which User Experience Design exists and the various methods employed by designers in various fields related to design research, the generation of ideas and implementation of designs. Students are introduced to methods of design evaluation and to the conceptual framework of the related curricula. Prerequisite: graduate standing.

3.000 Credit hours
3.000 Lecture hours

Levels: Graduate
Schedule Types: [Lecture](#)

Library and Information Sci Department

IAKM 60121 - USER EXPERIENCE DESIGN IN PRACTICE

Students learn and employ methods for engaging in creative problem solving. Introduce students to design research methods and current research on human behavior as it applies to user experience design. A core set of design deliverables are examined. Students begin to develop individual portfolio materials. Prerequisite: graduate standing.

3.000 Credit hours
3.000 Lecture hours

Levels: Graduate
Schedule Types: [Lecture](#)

Library and Information Sci Department

IAKM 60301 - FOUNDATIONAL PRINCIPLES OF KNOWLEDGE MANAGEMENT

This course covers an introduction to: historical roots for knowledge and knowledge management; theories/definitions of knowledge; theories, applications tools and practices of KM; Knowledge Management Life-Cycle Framework and Models; significant issues in KM-- best practices, culture, economics, strategy, intellectual capital, sustainable innovation. Prerequisite: graduate standing.

3.000 Credit hours

3.000 Lecture hours

Levels: Graduate

Schedule Types: [Lecture](#)

Library and Information Sci Department

IAKM 60302 - FOUNDATIONS OF DOCUMENT MANAGEMENT

Covers three main themes: Principles, which covers the document and records management conceptual framework, relationships with information policy, definitions and industry standards; Practices, which covers the management and procedural framework for effective planning and implementation of document and records management solutions; Technologies, which provides a business-oriented analysis of the nature of the enabling information systems available to support effective document and records management solutions.

Prerequisite: IAKM 60301 and graduate standing.

3.000 Credit hours

3.000 Lecture hours

Levels: Graduate

Schedule Types: [Lecture](#)

Library and Information Sci Department

IAKM 60303 - KNOWLEDGE ASSESSMENT AND EVALUATION

Explores all aspects of effective knowledge management within all types of organizations. Lays out the context for knowledge management – at each multiple levels (strategic, technical, business-aligned, and individual) and across all competencies. Covers theory, practice and methods of assessment and evaluation for all levels and all competencies. Provides an introduction to knowledge strategy formulation and planning, knowledge management maturity modeling, knowledge typologies and audits, knowledge mapping, organizational network analysis, knowledge competency mapping and human capital analytics, strategic workforce planning concepts, internal knowledge markets and incentives, community of practice metrics, organizational culture metrics.

Prerequisite: IAKM 60301 and graduate standing.

3.000 Credit hours

3.000 Lecture hours

Levels: Graduate

Schedule Types: [Lecture](#)

Library and Information Sci Department

IAKM 60304 - RESEARCH METHODS FOR KNOWLEDGE MANAGEMENT

This course provides a broad overview of the use of the qualitative methods in knowledge management, including an examination of the process of conducting qualitative research from conceptualization, design, data collection, articulation and preliminary implementation. Critical thinking analysis and writing skills are emphasized. Prerequisite: graduate standing.

3.000 Credit hours

3.000 Lecture hours

Levels: Graduate

Schedule Types: [Lecture](#)

Library and Information Sci Department

IAKM 60306 - ORGANIZATIONAL CULTURE ASSESSMENT

Examines different types of cultures and how each type influences a knowledge organization - how culture influences the way knowledge workers work, how they make decisions and how they behave, the internal cultures of groups and communities, the cultural attributes of knowledge workers which may impact their knowledge behaviors. Organizational cultures of multicultural, global and virtual organizations are covered. Students conduct an organizational culture assessment. Prerequisites: IAKM 60301 and graduate standing.

3.000 Credit hours

3.000 Lecture hours

Levels: Graduate

Schedule Types: Lecture

Library and Information Sci Department

IAKM 60307 - ORGANIZATIONAL LEARNING

Addresses organizational learning in fast-paced, complex and changing organizational environments. For knowledge organizations in the 21st century, learning is a continuous activity. To survive and grow, a knowledge organization must learn through its people, its groups and the organization as a whole. The capacity to learn is a competitive advantage for a knowledge organization. Covers the fundamental theory of organizational learning, organizational learning types, and the five disciplines of learning organizations, and factors that facilitate or impede organizational learning. Prerequisites: IAKM 60301 and graduate standing.

3.000 Credit hours

3.000 Lecture hours

Levels: Graduate

Schedule Types: [Lecture](#)

Library and Information Sci Department

IAKM 60310 - INTELLECTUAL CAPITAL MANAGEMENT

This course encompasses the new knowledge-intensive economic units: human capital and social capital intellectual assets, intellectual property, brands and trademarks. A "lifecycle" approach for intellectual assets is described-- creation, codification, valuation, protection and leveraging of intellectual assets for competitive advantage. Prerequisite: IAKM 60301 or 80301; and IAKM 60302 or 80302; and graduate standing.

3.000 Credit hours

3.000 Lecture hours

Levels: Graduate

Schedule Types: Lecture

Library and Information Sci Department

IAKM 60311 - BUSINESS PROCESS MANAGEMENT

Introduction to business process management and workflow management. BPM will describe how organizational business processes (internal, external, manual and automated) can be transformed and managed to increase efficiency, effectiveness and positively affect performance. Topics include the discovery, analysis, modeling and automation of workflow processes. Prerequisite: IAKM 60301 or 80301; and IAKM 60302 or 80302; and graduate standing.

3.000 Credit hours

3.000 Lecture hours

Levels: Graduate

Schedule Types: Lecture

Library and Information Sci Department

IAKM 60312 - BUSINESS INTELLIGENCE-COMPETITIVE INTELLIGENCE

An introduction to strategic intelligence consisting of competitive and business intelligence. Strategic intelligence is an art, science and craft. Businesses and governments require effective intelligence programs, processes and tools to track businesses competitors, markets and trends by acquiring, creating, managing and disseminating intelligence knowledge. Prerequisite: IAKM 60301 or 80301; and IAKM 60302 or 80302; and graduate standing.

3.000 Credit hours

3.000 Lecture hours

Levels: Graduate

Schedule Types: Lecture

Library and Information Sci Department

IAKM 60313 - COMMUNITIES OF PRACTICE

Explores collaboration and communities from both a theoretical and a practical perspective. The theory includes structural elements (defining a community identity, scoping the domain, defining practice), and natural lifecycles, and best practices for cultivating communities. On the practical side, students explore strategic placement of communities, the community development process, community design and implementation, and measuring the impacts of communities on intellectual capital creation. Communities of practice are also discussed in the context of digital ecosystems (Web 2.0 and Web 3.0). Utilizes readings and reviews of real life case studies of communities of practice in education, health care and nursing, disaster management, military sciences, and hobbies and craft circles. Students also complete a course project pertaining to community of practice evaluation. Prerequisite: IAKM 60301 and graduate standing.

3.000 Credit hours

3.000 Lecture hours

Levels: Graduate

Schedule Types: Lecture

Library and Information Sci Department

IAKM 60370 - SEMANTIC ANALYSIS METHODS AND TECHNOLOGIES

Introduces students to the practical contexts, methods and tools associated with semantic analysis. Focuses on early life cycle aspects of semantics, including identification and modeling of semantic problems, design of semantic solutions, and the identification and implementation of appropriate semantic technologies. Covers natural language processing, rule-based and grammar based concept extraction, rule-based and dynamic classification and automated summarization. Students work with a variety of semantic technologies.

Prerequisite: IAKM 60301 and graduate standing.

3.000 Credit hours

3.000 Lecture hours

Levels: Graduate

Schedule Types: [Lecture](#)

Library and Information Sci Department

IAKM 60401 - HEALTH INFORMATICS MANAGEMENT

Covers the areas encompassing health informatics management including the planning, selection, deployment, and management of electronic medical records (EMR), management decision-support and tracking systems (DSS), and other health information technologies (HIT). Prerequisite: graduate standing.

3.000 Credit hours

3.000 Lecture hours

Levels: Graduate
Schedule Types: [Lecture](#)

Library and Information Sci Department

IAKM 60402 - LEGAL ISSUES IN HEALTH INFORMATICS

Introduction to the fundamentals of law for Health Informatics and Information Management. Elements of the course include general legal principles and healthcare; legal electronic medical records (EMR); Health Insurance Portability and Accountability Act (HIPAA) privacy rules and security rules; access, requests and disclosure of health information; required reporting and mandatory disclosure laws; risk management and quality improvement; compliance; workforce overview; related ethics and social issues. Prerequisite: graduate standing.

3.000 Credit hours
3.000 Lecture hours

Levels: Graduate
Schedule Types: [Lecture](#)

Library and Information Sci Department

IAKM 60403 - HEALTH INFORMATION SYSTEMS

Introduction to information systems and their applications in healthcare used for managerial and clinical support. Study the fundamentals of information systems, including Electronic Medical Records (EMR), information security. Understand the role of standardized codes, vocabularies and terminologies used in health information systems. Analysis of management and enterprise systems, identify the key elements to manage information resources effectively and the trends affecting the development of health information systems and networks. Prerequisite: graduate standing.

3.000 Credit hours
3.000 Lecture hours

Levels: Graduate
Schedule Types: [Lecture](#)

Library and Information Sci Department

IAKM 60410 - HEALTH RECORDS MANAGEMENT

Conceptual foundations and practicum for health records management, including the planning, implementation and operation of electronic medical records (EMR); the management of EMR in management and enterprise systems; identifying, selecting and evaluating EMR and health information systems, applications, and repositories; and issues of data quality, integrity, migration, and interoperability. Prerequisite: graduate standing.

3.000 Credit hours
3.000 Lecture hours

Levels: Graduate
Schedule Types: [Lecture](#)

Library and Information Sci Department

IAKM 60411 - CLINICAL ANALYTICS

The use of well-defined and well-integrated clinical analytics throughout the healthcare value chain can be transformative. Through careful implementation of health analytics, hospitals can transform unwieldy

amalgamations of data into information that can: improve patient outcomes, increase safety , enhance operational efficiency and support public health. Given the immense size of the data challenge, the distinctness and geographic spread of many healthcare-related activities, and the fact that so many healthcare activities are conducted by different entities which must interact with each other, there is really no other way to provide operations management tools necessary to deliver personalized medicine and to control spiraling costs. Since clinical analytics is an immature discipline, we carefully examine the practices of those institutions who are standard setters in the industry. Prerequisite: graduate standing.

3.000 Credit hours

3.000 Lecture hours

Levels: Graduate

Schedule Types: Lecture

Library and Information Sci Department

IAKM 60412 - CLINICAL DECISION SUPPORT

Provides a practical survey of clinical decision support systems that collect clinical data and enable the transition to clinical knowledge in real world applications intended to improve quality and safety of patient care. Students become familiar with the basic requirements for clinical decision support systems and the challenges associated with the development and deployment of new applications within the healthcare setting.

Prerequisite: graduate standing.

3.000 Credit hours

3.000 Lecture hours

Levels: Graduate

Schedule Types: Lecture

Library and Information Sci Department

IAKM 60691 - SEMINAR IN INFORMATION ARCHITECTURE AND KNOWLEDGE MANAGEMENT

(Repeatable for credit)Advanced research by students who are qualified to examine problems of certain special areas related to concentrations of study in information architecture and knowledge management.

Prerequisite: Graduate standing.

1.000 TO 3.000 Credit hours

1.000 TO 3.000 Other hours

Levels: Graduate

Schedule Types: Seminar

Library and Information Sci Department

IAKM 60692 - PRACTICUM IN INFORMATION ARCHITECTURE AND KNOWLEDGE MANAGEMENT

Supervised work experience in concentration areas in IAKM Program of a professional nature of not less than 100 clock hours with directed readings and preparation of a paper.Prerequisite: Graduate standing and special approval.

2.000 OR 3.000 Credit hours

2.000 TO 3.000 Other hours

Levels: Graduate

Schedule Types: Practicum or Internship

Library and Information Sci Department

IAKM 60693 - VARIABLE TITLE WORKSHOP IN INFORMATION ARCHITECTURE AND KNOWLEDGE

MANAGEMENT

(Repeatable for credit)Intensive examination of special topics of interest to those involved in program concentrations. Maximum number of workshop credits for the MS-IAKM degree is 4 semester hours.

Prerequisite: Graduate standing.

1.000 TO 3.000 Credit hours

1.000 TO 3.000 Other hours

Levels: Graduate

Schedule Types: Workshop

Library and Information Sci Department

IAKM 60792 - INTERNSHIP IN INFORMATION ARCHITECTURE AND KNOWLEDGE MANAGEMENT

(Repeatable for credit)Supervised work experience of an advanced professional nature that concentrates on developing skills in areas of concentration in the IAKM program. Prerequisite: Graduate standing and director's approval.

1.000 TO 3.000 Credit hours

1.000 TO 3.000 Other hours

Levels: Graduate

Schedule Types: Practicum or Internship

Library and Information Sci Department

IAKM 61081 - CAPSTONE EXPERIENCE

Provides students the opportunity to integrate their knowledge from all IAKM courses and experiences, interact with other IAKM students who may have different perspectives and make connections with real-world problems through a guided, project-based, collaborative culminating experience. Prerequisites: IAKM 60001 and 60002 and graduate standing and special approval.

3.000 Credit hours

3.000 Other hours

Levels: Graduate

Schedule Types: [Research](#)

Library and Information Sci Department

IAKM 61095 - SELECTED TOPICS IN INFORMATION ARCHITECTURE AND KNOWLEDGE MANAGEMENT

(Repeatable for credit)Offered irregularly as resources and/or opportunities permit. Topics could include current or emerging issues in concentrations available in the IAKM program. Specific topics are announced in the Schedule of Classes. Prerequisite: Graduate standing.

1.000 TO 3.000 Credit hours

1.000 TO 3.000 Lecture hours

Levels: Graduate

Schedule Types: [Lecture](#)

Library and Information Sci Department

IAKM 61096 - INDIVIDUAL INVESTIGATION IN INFORMATION ARCHITECTURE AND KNOWLEDGE MANAGEMENT

(Repeatable for credit)Research or individual investigation for master's level students. Maximum credit towards

master's degree: 6 hours. Prerequisite: graduate standing.

1.000 TO 3.000 Credit hours

1.000 TO 3.000 Other hours

Levels: Graduate

Schedule Types: [Individual Investigation](#)

Library and Information Sci Department

IAKM 61098 - MASTER'S PROJECT

Provides a means for the application of the knowledge, research and competencies learned through study in the Information Architecture and Knowledge Management Program to the development of an information system, product, setting or service. Prerequisite: IAKM 60001 and 60002 and graduate standing and special approval.

3.000 Credit hours

3.000 Other hours

Levels: Graduate

Schedule Types: [Research](#)

Library and Information Sci Department

IAKM 61199 - THESIS I

Thesis students must register for a total of 6 hours, 2 to 6 hours in a single semester distributed over several semesters if desired. Prerequisite: IAKM 60001 and 60002 and graduate standing.

2.000 TO 6.000 Credit hours

2.000 TO 6.000 Other hours

Levels: Graduate

Schedule Types: [Masters Thesis](#)

Library and Information Sci Department

IAKM 61299 - THESIS II

Thesis students must continue registration each semester until all degree requirements are met. Prerequisite: IAKM 60001 and 60002 and 61199 and graduate standing.

2.000 Credit hours

2.000 Other hours

Levels: Graduate

Schedule Types: [Masters Thesis](#)

Library and Information Sci Department

IAKM 80001 - INFORMATION ARCHITECTURE AND KNOWLEDGE MANAGEMENT IN CONTEXT

(Cross-listed with IAKM 60001) Overview of the Information Architecture and Knowledge Management (IAKM) program and its concentrations. Basic skills and understandings in information literacy, organization of knowledge, information sources and searching. Information sciences, systems, and professionals in the information society. Prerequisite: doctoral standing.

3.000 Credit hours

3.000 Lecture hours

Levels: Graduate

Schedule Types: Lecture

Library and Information Sci Department

IAKM 80002 - KNOWLEDGE ORGANIZATION STRUCTURES, SYSTEMS AND SERVICES

(Cross-listed with IAKM 60002) Introduction to various types of knowledge organization systems/services/structures (KOS) used in the networked environment. Understanding of the functional, philosophical, logical and linguistic fundamentals of KOS. Explanation of design options, features of KOS, and procedures to be used in the thesaurus, taxonomy and ontology construction. Prerequisite: doctoral standing.
3.000 Credit hours
3.000 Lecture hours

Levels: Graduate

Schedule Types: Lecture

Library and Information Sci Department

IAKM 80101 - INFORMATION ARCHITECTURE

(Cross-listed with IAKM 60101) Introduction to the fundamental concepts and practices of information architecture (IA). Students develop practical skills for comparing, analyzing, critiquing and designing information architectures. Major topics include organization, navigation, labeling, search and other core IA concepts. Students learn to create blueprints, wireframes, process flows and other documents used to communicate an information architecture design. Prerequisite: doctoral standing.
3.000 Credit hours
3.000 Lecture hours

Levels: Graduate

Schedule Types: Lecture

Library and Information Sci Department

IAKM 80102 - INFORMATION AND VISUAL DESIGN

(Cross-listed with IAKM 60102) This course provides a cultural and technological context for understanding the information design process. Topics include: basic design and typographic principles, aesthetics and information design, functional integration of visual and verbal elements, creation and use of information graphics, visualization of quantitative information, and visual navigation systems. Prerequisite: doctoral standing.
3.000 Credit hours
3.000 Lecture hours

Levels: Graduate

Schedule Types: Lecture

Library and Information Sci Department

IAKM 80103 - RESEARCHING THE USER EXPERIENCE

(Cross-listed with IAKM 60103) Design research seeks to understand user needs, goals and tasks. Deals with research methods for human-centered design of information-rich artifacts and experiences. Covers interviews, surveys, diary studies and other methods applicable to the formative stages of the design process. Students learn to distill research findings into audience segments, user profiles, personas, scenarios and other documents that model user behavior. Prerequisite: doctoral standing.
3.000 Credit hours
3.000 Lecture hours

Levels: Graduate
Schedule Types: Lecture

Library and Information Sci Department

IAKM 80104 - USABILITY I

(Cross-listed with IAKM 60104) Provides a conceptual and practical overview of the processes and methods of usability testing, such as Think Aloud protocols, performance measurements and eye-tracking analysis. Actual usability testing is performed, using quantitative and qualitative methods and employing current and emerging software tools to facilitate data collection and analysis. Prerequisite: doctoral standing.

3.000 Credit hours
3.000 Lecture hours

Levels: Graduate
Schedule Types: Lecture

Library and Information Sci Department

IAKM 80105 - INFORMATION TECHNOLOGIES

(Cross-listed with IAKM 60105) Covers four aspects of information technology: essential technology concepts, the making of software, the social consequences of information technology and the role of non-programmers in technology design. Topics include operating systems, networks, search engines, markup languages, social software, dynamic languages, cloud computing, open source software, technology trends and the history of computing. Prerequisite: doctoral standing.

3.000 Credit hours
3.000 Lecture hours

Levels: Graduate
Schedule Types: Lecture

Library and Information Sci Department

IAKM 80110 - CONTENT MANAGEMENT SYSTEMS

(Cross-listed with IAKM 60110) This course provides an overview of the concepts and practices of Content Management (CM) and Content Management Systems (CMS), including understanding the parts and branches of a CMS, criteria for selecting a CMS, CMS configuration, and evaluating and implementing CMS software. Prerequisite: IAKM 60105 or 80105; and doctoral standing.

3.000 Credit hours
3.000 Lecture hours

Levels: Graduate
Schedule Types: Lecture

Library and Information Sci Department

IAKM 80111 - ONLINE BRANDING

(Cross-listed with IAKM 60111) This course will focus on the strategies needed to advance brands through effective online experiences including Web sites, intranets, extranets and emerging web technologies. Students will also learn how to extend the brand through personalization, localization and other segmentation techniques. Prerequisite: doctoral standing.

3.000 Credit hours
3.000 Lecture hours

Levels: Graduate
Schedule Types: Lecture

Library and Information Sci Department

IAKM 80112 - ADVANCED INFORMATION ARCHITECTURE

(Slashed with IAKM 80112) Web site design from emerging directions, such as the separation of content from presentation, with e.g., the use of Cascading Style Sheets (CSS) for formatting web-based documents. The course includes considerations of making web sites compliant with federal regulations or other standards and validation for various markup guidelines. Prerequisites: IAKM 60120 or IAKM 80120 with a minimum grade of C (2.000); and IAKM 60121 or IAKM 80121 with a minimum grade of C (2.000); IAKM 60101 or 80101 with a minimum grade of C (2.000); and doctoral standing.

3.000 Credit hours
3.000 Lecture hours

Levels: Graduate
Schedule Types: Lecture

Library and Information Sci Department

IAKM 80113 - USER AND TASK ANALYSIS

(Slashed with IAKM 60113) In order to design and develop effective user interfaces, task analysis process and theory are explored and applied via principles drawn from anthropology, ethnography, cognitive psychology, document and instruction systems design and market research. Practical techniques and methodologies are presented to improve interface design through all phases of the design process. Prerequisites: IAKM 60120 or IAKM 80120 with a minimum grade of C (2.000); and IAKM 60121 or IAKM 80121 with a minimum grade of C (2.000); and IAKM 60103 or IAKM 80103 with a minimum grade of C (2.000); and doctoral standing.

3.000 Credit hours
3.000 Lecture hours

Levels: Graduate
Schedule Types: Lecture

Library and Information Sci Department

IAKM 80114 - USABILITY II

Provides students with an understanding of qualitative and quantitative research methods appropriate for conducting advanced studies of human interaction with computers. In addition, students learn how to evaluate, purchase, implement and operate equipment for usability labs in a manner consistent with research methods. Prerequisites: IAKM 60104 or 80104; and doctoral standing.

3.000 Credit hours
3.000 Lecture hours

Levels: Graduate
Schedule Types: Lecture

Library and Information Sci Department

IAKM 80301 - FOUNDATIONAL PRINCIPLES OF KNOWLEDGE MANAGEMENT

This course covers an introduction to: historical roots for knowledge and knowledge management; theories/definitions of knowledge; theories, applications, tools, and practices of KM; Knowledge Management Life-Cycle Framework and Models; significant issues in KM - best practices, culture, economics, strategy, intellectual capital, sustainable innovation. Prerequisite: doctoral standing.

3.000 Credit hours
3.000 Lecture hours

Levels: Graduate
Schedule Types: Lecture

Library and Information Sci Department

IAKM 80302 - FOUNDATIONS OF DOCUMENT MANAGEMENT

Covers three main themes: Principles, which covers the document and records management conceptual framework, relationships with information policy, definitions and industry standards; Practices, which covers the management and procedural framework for effective planning and implementation of document and records management solutions; Technologies, which provides a business-oriented analysis of the nature of the enabling information systems available to support effective document and records management solutions.

Prerequisite: IAKM 60301 or 80301; and doctoral standing.

3.000 Credit hours
3.000 Lecture hours

Levels: Graduate
Schedule Types: Lecture

Library and Information Sci Department

IAKM 80303 - KNOWLEDGE ASSESSMENT AND EVALUATION

Explores all aspects of effective knowledge management within all types of organizations. Lays out the context for knowledge management – at each multiple levels (strategic, technical, business-aligned, and individual) and across all competencies. Covers theory, practice and methods of assessment and evaluation for all levels and all competencies. Provides an introduction to knowledge strategy formulation and planning, knowledge management maturity modeling, knowledge typologies and audits, knowledge mapping, organizational network analysis, knowledge competency mapping and human capital analytics, strategic workforce planning concepts, internal knowledge markets and incentives, community of practice metrics, organizational culture metrics.

Prerequisite: IAKM 60301 or 80301; and doctoral standing.

3.000 Credit hours
3.000 Lecture hours

Levels: Graduate
Schedule Types: Lecture

Library and Information Sci Department

IAKM 80304 - RESEARCH METHODS FOR KNOWLEDGE MANAGEMENT

This course provides a broad overview of the use of qualitative methods in knowledge management, including an examination of the process of conducting qualitative research from conceptualization, design, data collection, articulation, and preliminary implementation. Critical thinking, analysis, and writing skills are emphasized. Prerequisite: doctoral standing.

3.000 Credit hours
3.000 Lecture hours

Levels: Graduate
Schedule Types: Lecture

Library and Information Sci Department

IAKM 80306 - ORGANIZATIONAL CULTURE ASSESSMENT

Examines different types of cultures and how each type influences a knowledge organization - how culture influences the way knowledge workers work, how they make decisions and how they behave, the internal cultures of groups and communities, the cultural attributes of knowledge workers which may impact their knowledge behaviors. Organizational cultures of multicultural, global and virtual organizations are covered. Students conduct an organizational culture assessment. Prerequisites: IAKM 60301 or 80301; and doctoral standing.

3.000 Credit hours

3.000 Lecture hours

Levels: Graduate

Schedule Types: Lecture

Library and Information Sci Department

IAKM 80307 - ORGANIZATIONAL LEARNING

Addresses organizational learning in fast-paced, complex and changing organizational environments. For knowledge organizations in the 21st century, learning is a continuous activity. To survive and grow, a knowledge organization must learn through its people, its groups and the organization as a whole. The capacity to learn is a competitive advantage for a knowledge organization. Covers the fundamental theory of organizational learning, organizational learning types, and the five disciplines of learning organizations, and factors that facilitate or impede organizational learning. Prerequisites: IAKM 60301 or 80301; and doctoral standing.

3.000 Credit hours

3.000 Lecture hours

Levels: Graduate

Schedule Types: Lecture

Library and Information Sci Department

IAKM 80310 - INTELLECTUAL CAPITAL MANAGEMENT

This course encompasses the new knowledge-intensive economic units: human capital and social capital intellectual assets, intellectual property, brands, and trademarks. A "lifecycle" approach for intellectual assets is described - creation, codification, valuation, protection and leveraging of intellectual assets for competitive advantage. Prerequisite: doctoral standing.

3.000 Credit hours

3.000 Lecture hours

Levels: Graduate

Schedule Types: Lecture

Library and Information Sci Department

IAKM 80311 - BUSINESS PROCESS MANAGEMENT

Introduction to business process management and workflow management. BPM will describe how organizational business processes, (internal, external, manual and automated), can be transformed and managed to increase efficiency, effectiveness and positively affect performance. Topics include the discovery, analysis, modeling and automation of workflow processes. Prerequisites: IAKM 60301 or 80301; and 60302 or 80302; and doctoral standing.

3.000 Credit hours

3.000 Lecture hours

Levels: Graduate

Schedule Types: Lecture

Library and Information Sci Department

IAKM 80312 - BUSINESS INTELEGENCE-COMPETITIVE INTELLIGENCE

An introduction to strategic intelligence consisting of competitive and business Intelligence. Strategic intelligence is an art, science, and craft. Businesses and governments require effective intelligence programs, processes, and tools to track businesses, competitors, markets and trends by acquiring, creating, managing, packaging, and disseminating intelligence knowledge. Prerequisites: IAKM 60301 or 80301; 60302 and 80302; and doctoral standing.

3.000 Credit hours

3.000 Lecture hours

Levels: Graduate

Schedule Types: Lecture

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IAKM 80313 - COMMUNITIES OF PRACTICE

Explores collaboration and communities from both a theoretical and a practical perspective. The theory includes structural elements (defining a community identity, scoping the domain, defining practice), and natural lifecycles, and best practices for cultivating communities. On the practical side, students explore strategic placement of communities, the community development process, community design and implementation, and measuring the impacts of communities on intellectual capital creation. Communities of practice are also discussed in the context of digital ecosystems (Web 2.0 and Web 3.0). Utilizes readings and reviews of real life case studies of communities of practice in education, health care and nursing, disaster management, military sciences, and hobbies and craft circles. Students also complete a course project pertaining to community of practice evaluation. Prerequisite: IAKM 60313 or 80313; and doctoral standing.

3.000 Credit hours

3.000 Lecture hours

Levels: Graduate

Schedule Types: Lecture

Library and Information Sci Department

IAKM 80370 - SEMANTIC ANALYSIS METHODS AND TECHNOLOGIES

Introduces students to the practical contexts, methods and tools associated with semantic analysis. Focuses on early life cycle aspects of semantics, including identification and modeling of semantic problems, design of semantic solutions, and the identification and implementation of appropriate semantic technologies. Covers natural language processing, rule-based and grammar based concept extraction, rule-based and dynamic classification and automated summarization. Students work with a variety of semantic technologies.

Prerequisites: IAKM 80301 and doctoral standing.

3.000 Credit hours

3.000 Lecture hours

Levels: Graduate

Schedule Types: Lecture

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IAKM 80401 - HEALTH INFORMATICS MANAGEMENT

Covers the areas encompassing Health informatics management including the planning, selection, deployment, and management of electronic medical records (EMR), management decision-support and tracking systems

(DSS), and other health information technologies (HIT). Prerequisite: doctoral standing.

3.000 Credit hours

3.000 Lecture hours

Levels: Graduate

Schedule Types: Lecture

Library and Information Sci Department

IAKM 80402 - LEGAL ISSUES IN HEALTH INFORMATICS

Introduction to the fundamentals of law for Health Informatics and Information Management. Elements of the course include general legal principles and healthcare; legal electronic medical records (EMR); Health Insurance Portability and Accountability Act (HIPAA) privacy rules and security rules; access, requests and disclosure of health information; required reporting and mandatory disclosure laws; risk management and quality improvement; compliance; workforce overview; related ethics and social issues. Prerequisite: doctoral standing.

3.000 Credit hours

3.000 Lecture hours

Levels: Graduate

Schedule Types: Lecture

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IAKM 80403 - HEALTH INFORMATION SYSTEMS

Introduction to information systems and their applications in healthcare used for managerial and clinical support. Study the fundamentals of information systems, including Electronic Medical Records (EMR), information security. Understand the role of standardized codes, vocabularies and terminologies used in health information systems. Analysis of management and enterprise systems, identify the key elements to manage information resources effectively and the trends affecting the development of health information systems and networks. Prerequisite: doctoral standing.

3.000 Credit hours

3.000 Lecture hours

Levels: Graduate

Schedule Types: Lecture

Library and Information Sci Department

IAKM 80410 - HEALTH RECORDS MANAGEMENT

Conceptual foundations and practicum for health records management, including the planning, implementation and operation of electronic medical records (EMR); the management of EMR in management and enterprise systems; identifying, selecting and evaluating EMR and health information systems, applications, and repositories; and issues of data quality, integrity, migration, and interoperability. Prerequisite: doctoral standing.

3.000 Credit hours

3.000 Lecture hours

Levels: Graduate

Schedule Types: Lecture

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IAKM 80411 - CLINICAL ANALYSIS

The use of well-defined and well integrated clinical analytics throughout the healthcare value chain can be transformative. Through careful implementation of health analytics, hospitals can transform unwieldy amalgamations of data into information that can: Improve patient outcomes, increase safety, enhance operational efficiency and support public health. Given the immense size of the data challenge, the distinctness and geographic spread of many healthcare-related activities, and the fact that so many healthcare activities are conducted by different entities which must interact with each other, there is really no other way to provide operations management tools necessary to deliver personalized medicine and to control spiraling costs. Since clinical analytics is an immature discipline, we carefully examine the practices of those institutions who are standard setters in the industry. Prerequisite: doctoral standing.

3.000 Credit hours

3.000 Lecture hours

Levels: Graduate

Schedule Types: Lecture

Library and Information Sci Department

IAKM 80412 - CLINICAL DECISION SUPPORT

(Cross-listed with IAKM 60412) Provides a practical survey of clinical decision support systems that collect clinical data and enable the transition to clinical knowledge in real world applications intended to improve quality and safety of patient care. Students become familiar with the basic requirements for clinical decision support systems and the challenges associated with the development and deployment of new applications within the healthcare setting. Prerequisite: doctoral standing.

3.000 Credit hours

3.000 Lecture hours

Levels: Graduate

Schedule Types: Lecture

Library and Information Sci Department

IAKM 80691 - SEMINAR IN INFORMATION ARCHITECTURE AND KNOWLEDGE MANAGEMENT

(Repeatable for credit)Advanced research by students who are qualified to examine problems of certain special areas related to current concentrations of study in IAKM. Prerequisite: doctoral standing.

1.000 TO 3.000 Credit hours

1.000 TO 3.000 Lecture hours

Levels: Graduate

Schedule Types: Seminar

Library and Information Sci Department

IAKM 80693 - VARIABLE TITLE WORKSHOP IN INFORMATION ARCHITECTURE AND KNOWLEDGE MANAGEMENT

(Repeatable for credit)Intensive examination of special topics of interest to those involved in program concentrations. Prerequisite: doctoral standing.

1.000 TO 3.000 Credit hours

1.000 TO 3.000 Lecture hours

Levels: Graduate

Schedule Types: Workshop

Library and Information Sci Department

IAKM 81095 - SELECTED TOPICS IN INFORMATION ARCHITECTURE AND KNOWLEDGE MANAGEMENT

(Repeatable for credit) Offered irregularly as resources and-or opportunities permit. Topics could include current or emerging issues in concentrations available in the IAKM program. Specific topics will be announced in the Schedule of Classes. Prerequisite: doctoral standing.

1.000 TO 3.000 Credit hours

1.000 TO 3.000 Lecture hours

Levels: Graduate

Schedule Types: Lecture

Library and Information Sci Department

IAKM 81096 - INDIVIDUAL INVESTIGATION IN INFORMATION ARCHITECTURE AND KNOWLEDGE MANAGEMENT

(Repeatable for credit) Research or individual investigation for doctoral level students. Prerequisite: doctoral standing.

1.000 TO 3.000 Credit hours

1.000 TO 3.000 Other hours

Levels: Graduate

Schedule Types: Individual Investigation

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