

INFORMATION SYSTEMS AND TECHNOLOGY MANAGEMENT

Chair	Secretary	Location	Department Phone
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Department Web Site URL (<https://www.sru.edu/academics/colleges-and-departments/cob/school-of-business/information-systems-and-technology-management/>)

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Faculty

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Associate Professor
Info Systems & Technology Mgt
B.S., Xi'an Technological University
M.S., Lanzhou University of Technology
M.E., Old Dominion University
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M.P.A., Brigham Young University
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Jennifer Nightingale

Associate Professor
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Ed.D., Duquesne University
M.S.I.S.M., Duquesne University
M.Ed., Duquesne University
B.A., University of Pittsburgh

James Rodger

Professor
Info Systems & Technology Mgt
D.B.A., Southern Illinois University
M.B.A., Indiana University of PA
B.S., University of Pittsburgh

Programs

Majors

- Health Information Management, Master of Science (MS) (<https://catalog.sru.edu/graduate/business/information-systems-and-technology-management/health-information-management-ms/>)

Certificates

- Digital Health Leadership, Certificate (<https://catalog.sru.edu/graduate/business/information-systems-and-technology-management/digital-health-leadership-certificate/>)

Courses

HIM

HIM 595 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

Enrollment is limited to Graduate level students.

HIM 598 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Enrollment is limited to Graduate level students.

HIM 600 - Health Information Systems Technology

This course will give a broad coverage of the technology supporting Health Information Management. The emphasis will be on the infrastructure of health care technology, including topics such as software, hardware, networking, data structure and management, and data capture technologies.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms, Offered as Needed

Enrollment limited to students in the MS 9HIM or MS 9HIO programs.

HIM 605 - Health Information Vocabularies and Clinical Terminologies

This course will introduce the standard clinical terminologies (e.g. UMLS, SNOMED, ICD-9, LOINC) and other nursing vocabularies. Students will be able to map clinical terminologies to the appropriate classification system as required in regulations surrounding the electronic health record.

Credits: 3

Term(s) Typically Offered: Offered Winter Terms

Enrollment limited to students in the MS 9HIM or MS 9HIO programs.

HIM 620 - Financial Management for Health Professionals

This course is designed to introduce financial accounting and financial management principles as they apply to the healthcare industry. The business of healthcare needs leaders who can develop strategic plans, build appropriate forecasts and manage the revenue cycle using key financial principles.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms

Enrollment limited to students in the MS 9HIM or MS 9HIO programs.

HIM 625 - Legal, Ethical and Security Issues in Health Information Management

This course will explore the legal, ethical and security issues surrounding health care information management. Topics covered will include data integrity, availability and confidentiality, risk assessment, HIPAA and other health laws, encryption techniques, fraud surveillance, data and disaster recovery and ethical institutional policies.

Credits: 3

Term(s) Typically Offered: Offered as Needed, Offered Spring Terms

Enrollment limited to students in the MS 9HIM or MS 9HIO programs.

HIM 630 - Healthcare Quality Management and Documentation Improvement

This course will explore the institutional data management practices and policies with a view to quality improvement. This course can help students make a difference in achieving the goals of internal and external audits, accurate reimbursement, and other important initiatives aimed at improving the quality of healthcare.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms

Enrollment limited to students in the MS 9HIM or MS 9HIO programs.

HIM 635 - Healthcare Knowledge Management

This course will apply decision analysis, business intelligence and data analytics to health organization policies and programs. These tools can enhance workflow and lead to process improvement, and must be used in enterprise-wide strategic planning. Topics may include data mining, data warehousing and data modeling.

Prerequisite: HIM 600^C

^C Requires minimum grade of C.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms, Offered as Needed

Enrollment is limited to Graduate level students.

HIM 645 - Leadership for Health Systems

This course is to develop a systems-thinking approach to healthcare. It will focus on topics such as healthcare strategic management, managing change, enterprise-wide planning and training, dealing with vendors and other stakeholders, EHR/EMR implementation and healthcare policy appropriate to the organization and beyond.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms

Enrollment is limited to Graduate level students.

HIM 650 - Applied Research Project

The Master's Project is designed for the graduate student to demonstrate management proficiency at the completion of the program. Projects may include business plans, feasibility studies, work-related solutions, consulting services, research projects or internships in the student's area of concentration.

Prerequisites: HIM 635^C or HIM 645^C

^C Requires minimum grade of C.

Credits: 3

Term(s) Typically Offered: Offered Summer Terms

Enrollment is limited to Graduate level students.

HIM 690 - Experimental

A unique and specifically focused course within the general purview of a department which intends to offer it on a "one time only" basis and not as a permanent part of the department's curriculum.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Enrollment limited to students in the MS 9HIM or MS 9HIO programs.

HIM 695 - Workshop

A Workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

Enrollment limited to students in the MS 9HIM or MS 9HIO programs.

HIM 698 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Enrollment limited to students in the MS 9HIM or MS 9HIO programs.

HIM 700 - Independent Study

Independent Study courses give students the opportunity to pursue research and/or studies that are not part of the university's traditional course offerings. Students work one on one or in small groups with faculty guidance and are typically required to submit a final paper or project as determined by the supervising professor.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Enrollment limited to students in the MS 9HIM or MS 9HIO programs.

HIM 750 - Internship

Provides the student with an opportunity to apply theory to practice and develop competencies through a work-related experience in a profit, or not-for-profit, healthcare related organization.

Credits: 3-12

Term(s) Typically Offered: Offered as Needed

HIM 790 - Experimental

A unique and specifically focused course within the general purview of a department which intends to offer it on a "one time only" basis and not as a permanent part of the department's curriculum.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Enrollment limited to students with a semester level of Graduate.

HIM 795 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

Enrollment is limited to Graduate level students.

HIM 798 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Enrollment is limited to Graduate level students.

MIS**MIS 590 - Experimental**

A unique and specifically focused course within the general purview of a department which intends to offer it on a "one time only" basis and not as a permanent part of the department's curriculum.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Enrollment limited to students with a semester level of Graduate.

MIS 598 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Enrollment is limited to Graduate level students.

MIS 603 - Healthcare Information Systems

This course will give an introduction to computer-based Information Systems as they are applied to the health care industry. Topics will include characteristics of health care data, design and life cycle of HCIS, the information technology supporting HCIS and management issues.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms

MIS 610 - Business Analysis and Decision Support

This course provides analytic skills through a review of critical business analysis and decision support concepts. We study how information technology such as spreadsheet and relational database applications influence organizational decisions and management. The course offers hands-on experiences in intermediate and advanced spreadsheet and relational database applications. The students will be able to create models and reports with these tools. The course offers strong technical and quantitative skills for effective leaders and managers. The course assumes that the student has a basic proficiency in spreadsheets, statistics and databases.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Enrollment is limited to students with a program in Business Adm-Accounting/Finance, Business Adm-Management/Mrktng, Business Administration or Business Administration (OL).

Enrollment is limited to Graduate level students.

MIS 613 - System Analysis and Design

This course focuses on the methodologies, techniques and tools in analysis and design of computer information systems. The course will enhance students' skill sets; provide exposure to new information technologies, theories, practices and methodologies. The general objective of this course is to provide concepts related to information systems development in a systematic approach including requirements elicitation, planning, analysis, design, implementation and maintenance. The course will provide students with advanced technical, organizational and managerial skills to becoming become systems or business analysts. Graduates will become skillful contributors to teams that are responsible for developing information systems to support various areas of organizations.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms

Enrollment is limited to Graduate level students.

MIS 643 - Project Management

This course addresses project management. It provides an understanding of the purpose, methods and benefits of process management by exposing the student to the concepts, practices, processes, tools and techniques used in process management for large projects.

Prerequisite: HIM 600^C

^C Requires minimum grade of C.

Credits: 3

Term(s) Typically Offered: Offered Summer Terms

Enrollment limited to students in the MS 9HIN program.

MIS 653 - Enterprise Architecture

This course offers advanced concepts and practical application of enterprise architecture and the enterprise architect to analyze, design, implement and maintain lifecycle enterprise solutions that support business operations. Case studies will be used to examine how today's businesses are implementing large-scale enterprise operating models including software platforms and transforming their business models using modern disruptive digital technologies. Concepts to be covered will include architecture frameworks, architecture design principles, governance, integration, operability, system implementation roadmaps to ensure agile enterprise solutions to support changing business strategy.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms

Enrollment is limited to Graduate level students.

MIS 690 - Experimental

A unique and specifically focused course within the general purview of a department which intends to offer it on a "one time only" basis and not as a permanent part of the department's curriculum.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Enrollment limited to students with a semester level of Graduate.

MIS 698 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Enrollment is limited to Graduate level students.

MIS 700 - Independent Study

Independent Study courses give students the opportunity to pursue research and/or studies that are not part of the university's traditional course offerings. Students work one on one or in small groups with faculty guidance and are typically required to submit a final paper or project as determined by the supervising professor.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Enrollment is limited to Graduate level students.

MIS 790 - Experimental

A unique and specifically focused course within the general purview of a department which intends to offer it on a "one time only" basis and not as a permanent part of the department's curriculum.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Enrollment limited to students with a semester level of Graduate.

MIS 798 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Enrollment is limited to Graduate level students.