Información de ciencias de la información (ISCI)

ISCI 201 - Datos, información & sociedad (3 créditos)
Conceptos, teorías, tareas, y tendencias en el desarrollo de las Ciencias de la Información.

ISCI 202 - Lectura de la información y la tecnología (3 créditos)
Introducción a los métodos y técnicas de trabajo de la información en todos los tipos de organizaciones y las teorías y técnicas necesarias para la literacidad informacional.

Carolina Core: INF

ISCI 215 - Ética en la era del big data (3 créditos)
Ethical issues surrounding the use of data and information at the individual and organizational levels.

Carolina Core: VSR

ISCI 249 - Principios de experiencia del usuario y diseño (UX/UI) (3 créditos)
An exploration of theoretical and practical foundations of user-centered design from both the design and research perspectives.

Cross-listed course: JOUR 249

ISCI 250 - Diseño de la información (3 créditos)
Overview of responsive website design, development and basic content management systems. Examine the current tools and standards and learn how they function together in a modern web environment. Emphasis on the myriad of viewing devices and specific reference to the unique needs of information intensive institutions.

ISCI 259 - Metodología de investigación y herramientas de usuario (3 créditos)
User behavior and priorities; gather, analyze, and communicate key insights to develop effective products and services.

ISCI 301 - Tarea de minería de datos (3 créditos)
Introduction to the concepts, issues, theories, and techniques of information storage and retrieval systems.

Prerequisite or Corequisite: C or better in ISCI 201.

ISCI 310 - Análisis y evaluación de la ciencia de la información (3 créditos)
Overview of major types of research methods and techniques within the field of information science. Methods of data analysis, evaluation of published research, and ethical principles.

Prerequisite or Corequisite: C or better in ISCI 201, STAT 110 or STAT 201.

Graduation with Leadership Distinction: GLD: Research

ISCI 315 - Cyberética e información política (3 créditos)
Problems and ethical issues that arise in the development and implementation of information policies in Information Science.

Prerequisites: C or better in ISCI 201.

ISCI 316 - Blockchain y criptomoneda (3 créditos)
Introduces blockchain technology and its applications in various professional areas, businesses, and industries. No prior blockchain knowledge is required to be successful in this foundational course.

ISCI 317 - Blockchain, privacidad, y descentralización (3 créditos)
Introduces bitcoin, cryptocurrency, data privacy, self-sovereign identity, and other blockchain concepts and applications with in the context of professional areas, businesses, and industries. No prior blockchain knowledge is required to be successful in this foundational course.

ISCI 325 - Literatura infantil (3 créditos)
A study of materials for children from birth through elementary school (age 13) with emphasis on the evaluation, selection, and use of those materials to meet the educational, cultural, and recreational needs of children.

Graduation with Leadership Distinction: GLD: Community Service

ISCI 330 - Introducción a la tecnología de ordenador y aplicaciones de la informática (3 créditos)
The basic information technology concepts and applications relevant to library and related information environments. Unique information technology needs and applications of information-intensive organizations.

ISCI 340 - Seguridad cibernética y ciencias de la información (3 créditos)
This course provides students with essential skills and training in information and cyber security leading to the option to complete the CCSA certification process through Check Point Software Technologies.

ISCI 380 - Temas especiales en ciencias de la información (3 créditos)
Examination of selected current and emerging topics in the field of information science and data analytics. May be repeated for credit as topics vary.

ISCI 402 - Gestión de organizaciones basadas en datos (3 créditos)
History, development, and implementation of theories and practices associated with managing information environments.

Prerequisite or Corequisite: C or better in ISCI 201.

ISCI 410 - Trabajo de conocimiento como activo organizacional (3 créditos)
Introduction to the background, principles, practices, and technologies of knowledge management for library and information professionals.

Prerequisites: C or better in ISCI 301.

ISCI 415 - Problemas y controversias en las ciencias de la información y la comunicación (3 créditos)
Examines the design, uses, and effects of information and communication technologies (ICTs) from the standpoint that society and technology mutually shape one another.

ISCI 420 - Necesidades y evaluación de la comunicación (3 créditos)
An overview of the communication models, major concepts, trends, and related issues of information transfer with a focus on information seeking and use in digital age.

Prerequisites: C or better in ISCI 201 or JOUR 101.

ISCI 429 - Gestión del conocimiento para periodistas (3 créditos)
Online resources specific to mass communications, research strategies, organization and creation of digital information.

ISCI 430 - Arquitectura de información centrada en el usuario (3 créditos)
Processes and techniques for designing user-centered information systems on the Web. Issues of needs analysis, content development, cognitive models, human-computer interaction, interface design, and usability testing.

Prerequisites: ISCI 202.

ISCI 434 - Introducción a la descubrimiento del conocimiento (3 créditos)
The students will review knowledge discovery basics concepts, techniques, tools, and applications. This course is project based and the students will develop new Wikipedia pages by reading papers in a selected domain.

Prerequisites: MATH 122 or MATH 141 or MATH 142 or MATH 170 or MATH 172 or STAT 515 or STAT 201 or STAT 205.
ISCI 435 - Planning and Sustaining Digital Projects (3 Credits)
Theoretical and technological foundations of building the digital information infrastructure. Emphasis on technical aspects of managing digital assets for Intranet and Internet use.
Prerequisites: C or better in ISCI 202, ISCI 402.

ISCI 440 - Competitive Intelligence (3 Credits)
Strategies and techniques for locating competitive intelligence information.
Prerequisites: ISCI 201, ISCI 202, ISCI 301, ISCI 402.

ISCI 450 - Information Issues in Community Institutions (3 Credits)
Problem of identifying or defining cultural heritage and the issues and problems in preserving, accessing, and managing cultural heritage information. Issues such as copyright/ownership, technical problems of preservation and intellectual access, and the different ways in which libraries, archives, museums, zoos and other cultural heritage institutions operate.

ISCI 480 - Emerging Topics in Information Science (3 Credits)
Examination of selected current and emerging topics in the field of information science. May be repeated once for credit as topics vary.

ISCI 494 - Independent Study in Information Science (3 Credits)
Independent study in an area of information science relevant to the students professional goals. May be repeated once for credit as topics vary.
Prerequisites: C or better in ISCI 202, ISCI 301, and ISCI 402.

Graduation with Leadership Distinction: GLD: Research
Experiential Learning: Experiential Learning Opportunity

ISCI 496 - Internship in Information Science (3 Credits)
Supervised field experience in an information agency relevant to students professional goals. Approval of the appropriate internship application must be submitted early in the semester preceding enrollment.
Prerequisites: C or better in ISCI 202, ISCI 301, and ISCI 402.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Internships
Experiential Learning: Experiential Learning Opportunity

ISCI 501 - Teaching and Training in Distributed Environments (3 Credits)
Knowledge and skills for applying complementary technologies for learning in distributed learning environments (Pre-K-lifelong) through lecture, demonstration, and discussion.

ISCI 523 - Materials for Early Childhood (3 Credits)
Media resources and techniques for children from birth to 9 years. Reading interests and developmental needs of young children. Authors, illustrators, indexes, bibliographic tools, evaluation sources, and professional literature. Not open to students enrolled in M.L.I.S. program.

ISCI 525 - Materials for Children (3 Credits)
Media resources for children. Reading interests of children and their curricular and independent needs for information. Authors, illustrators, indexes, bibliographic tools, and sources of evaluation of materials for children. Techniques and literature for read-aloud programs and storytelling. Not open to students enrolled in M.L.I.S. program.

ISCI 527 - Materials for Adolescents (3 Credits)
Media resources for adolescents. Reading interests of adolescents and their curricular and independent information needs. Study of relationships of media to information needs and critical comparison between classic and contemporary materials for adolescents. Indexes, bibliographic tools, and sources of evaluation of materials. Not open to students enrolled in M.L.I.S. program.

ISCI 529 - Special Topics in Library and Information Studies (3 Credits)
Specific topics of current concern to the library, information, and media professions to be identified by title. Not open to students enrolled in M.L.I.S. program.

ISCI 530 - Applications of Information Technology and the Infrastructure (3 Credits)
Introductory knowledge for school library media specialists, teachers, administrators, parents, and other citizens interested in practical applications of information technology to support learning, decision making, and community building.

ISCI 534 - Knowledge Discovery Techniques (3 Credits)
Knowledge discovery techniques and applications.
Prerequisites: ISCI 434 for Undergraduate Students.

ISCI 560 - Data Visualization (3 Credits)
Foster theoretical insights about data visualization. Prepare temporal, geospatial, and textual data for visual representations. In hands-on sessions, students practice data visualization techniques and apply them in a wide range of real-world scenarios.

ISCI 600 - Storytelling: Theory, Practice, and Development (3 Credits)
Storytelling methods, techniques, and materials encompassing heritage, art, literature, and programming.

ISCI 608 - Information Behavior and Practices (3 Credits)
Focuses on theories, models, and concepts of information behavior. Emphasizes information seeking and use practices and activities in relation particular communities, channels and barriers to information, and the impacts of technology. Provides an introduction to methods that can be used to study information needs, information seeking behavior, and related phenomena.