IS — Information Studies

IS 200 INFORMATION LITERACY AND CRITICAL THINKING. (3)
This course provides an introduction to the concepts and practices of information literacy. It explores how to effectively and ethically find, evaluate, analyze, and use information resources in academic and everyday-life situations. Emphasizing critical inquiry and critical thinking, this course will explore the theories and definitions surrounding the term "information literacy." Students will put this theory into practice by developing problem-solving skills that allow them to meet information needs throughout their lifetimes. Students will gain a better understanding of how information and knowledge function in society and will discover methods of finding, accessing, evaluating, and using different information sources in an effective and ethical manner. (Same as ICT 200.)

IS 201 PERSONAL KNOWLEDGE MANAGEMENT. (3)
Gain knowledge about information sources, information retrieval and professional information management. Learn how information sources are described, organized, and disseminated using metadata standards and publishing practices. Acquire the skills to locate and retrieve quality sources of information with search engines and databases. Implement knowledge management technologies and apply an understanding of social factors in order to create efficient and usable organizational work flows. (Same as ICT 201.)

IS 202 TECHNOLOGIES FOR INFORMATION SERVICES. (3)
This course is designed to teach the fundamental concepts of information technology in ways relevant to professional practice in informatics and the information professions. It explores applications of computers and networks to information problems. Included are features of hardware, types of software, commercial systems and search engines. (Same as ICT 202.)

IS 303 SYSTEMS ANALYSIS. (3)
This course examines and applies the principles of information systems analysis. It surveys project management, feasibility and analysis, systems requirement definition and resource allocation. It utilizes a structured systems development methodology that spans the entirety of the information system lifecycle, which starts with the conception of the need for a specific information system and ends with the implementation of that system. The course utilizes a case study approach in which students initiate the analysis and logical design of a limited-scope information system. Prereq: IS 202. (Same as ICT 303.)

IS 326 ELECTRONIC INFORMATION RESOURCES FOR HEALTH PROFESSIONALS. (3)
This course is a survey of electronic information resources for health professionals, including databases and Web resources, but with a focus on MEDLINE. Discussion of relevant controlled vocabularies, their use in formulating and executing search strategies, and alternative interfaces to MEDLINE are addressed. The course also includes reference management software, an evidence based health care component, and discussion of systematic reviews. Prereq: STA 210 or equivalent. (Same as ICT 326.)

IS 327 CONSUMER HEALTH INFORMATION SEEKING. (3)
This course will provide students with a foundation in the history and development of consumer health information seeking in addition to practical experience in locating, evaluating, and providing health information to diverse and special populations within educational and healthcare settings. Students will gain an understanding of the lifecycle of consumer health information – from policy development, to creation, to dissemination, and use – and the role of healthcare professionals in providing that information. Current issues and trends, as well as future directions in consumer health information provision and health information seeking will be discussed. (Same as ICT 327.)

IS 402 COMPETITIVE INTELLIGENCE. (3)
This course examines competitive intelligence models, functions, and practices; the roles of information professionals in CI, and the management of CI. Discussion and practice topics include: intelligence ethical and legal considerations; identifying intelligence needs; intelligence project management, research methods, analysis, production, and dissemination; the uses of intelligence; intelligence sources and tools; managing the intelligence function; and the evolution of CI.

IS 404 HEALTH INFORMATICS. (3)
Provides an overview of health care information systems, legal and ethical issues in health care, compliance and regulatory requirements, coding of health care data, quality management, HL7, data security, and HIPAA. Explores major applications and commercial vendors, decision support methods, evaluation of health-care information systems; and new opportunities and emerging trends. Prereq: IS 201, IS 202.