Courses in Informatics

C Inf 100X
Information in the 21st Century (3)
*This course offered fully online.* Introduction to information and technology in the 21st Century. Different resources, including the Internet, libraries, news sources and other sources of information, hardware, and Web 2.0 technologies will be explored. The primary emphasis of the class is on discovering reliable information sources for any and all subjects so that a student's future research and other pursuits are supported by the methods developed in this course. Each student is called upon to fortify their own individual communication and reasoning skills and will demonstrate the use of those skills through course assignments, class presentations and group activities.

(1948) Krough, Lindsey
6 Week 1: May 24-July 2

C Inf 171
eSports and the Digital Gaming Ecosystem (3)
*This course offered fully online.* This course examines the eSports and digital gaming industries through a variety of perspectives including game development, competitive gaming, content creation, design, broadcasting, networking, digital citizenship and entrepreneurship. Students will participate in hands on activities within a laboratory environment, and participate in individual and team-based scholarship focused on the digital gaming and simulation. In addition, professionalism, ethical implications, and intersectional issues within the digital gaming ecosystem will also be discussed.

(2342) Tyler, Matthew
12 Week: May 24-August 13
Scheduled synchronous class meetings via Zoom:
MW 7:00p.m.-9:00p.m.

C Inf 201
Introduction to Web Technologies (3)
*This course offered fully online.* A technique-oriented introduction to client-based Web design and development technologies, including HTML/XHTML, CSS, JavaScript, digital imaging, file formats, etc.; also the elements of UNIX and networks necessary to understand and implement basic information management and transfer. Prerequisite(s): C INF 100X; not open to students who are taking or have completed I IST 361.

(1949) Alazawi, Mohammed
6 Week 2: June 21-July 30

C Inf 202
Introduction to Data and Databases (3)
*This course offered fully online.* This course introduces students to data and databases. It covers both long-standing relational (SQL) databases and newly emerging non-relational (NoSQL) data stores. The nature of data, Big Data, intellectual property, system lifecycle, and development collaboration are also explored. Team-based activities alternate with hands-on exercises. Prerequisite(s): I CSI 101, 105, 110 or 201 or B ITM 215; not open to students who are taking or have completed I CSI 410 or 411 or B ITM 331.

(1950) Jacob, Jensin
6 Week 3: July 6-August 13

C Inf 203
Introduction to Networks and Systems (3)
*This course offered fully online.* This course provides an Introduction to computer networking and computer systems. The course covers the fundamentals of networked computing systems with an emphasis
placed on the basics of network protocols and how they operate at all layers of the networking models. The course also introduces students to personal computer internal system components, storage systems, peripheral devices, and operating systems from an introductory computer architecture perspective.

(2000) Caramancion, Kevin
6 Week 2: June 21-July 30

C Inf 301
Emerging Trends in Information and Technology (3)
This course offered fully online. This course is designed to address challenges of the 21st century from the information science framework. We will explore emerging technologies and discuss how they alter and create new information environments. Examples of these technologies include Big Data, 3D Printing, Social Media, Wearable Computing, etc. Attention will be paid to real world uses of these technologies, emphasizing how they are changing business, government, education, and a number of other industries. This course also focuses on career paths for digital citizens in the 21st century. Prerequisite(s): C INF 100X or I IST 100X.

(1951) Ezung, Chanchilo
6 Week 2: June 21-July 30

C Inf 305
Digital Project Management (3)
This course offered fully online. This course provides an introduction to current practices in project management with a focus on the management of digital projects. It is intended to provide a broad overview of the concepts, issues, tools and techniques related to the management of digital projects from concept to completion. Topics covered include project manager role/responsibilities, project team structure, project documentation, project phases/SDLC, project management methodologies, troubled projects, digital analytics and more. Prerequisite(s): C INF 201 and C INF 202.

(1952) Bastien, Jacques
4 Week 1: May 24-June 18

C Inf 308
Programming for Informatics (3)
This course offered fully online. Computer programming in an Informatics environment. The fundamentals of programming, including introduction to algorithms, object-oriented design, and data structures. Additional topics include basic interface design, security, networking, use of data bases, and mobile and other non-traditional computing platforms. Prerequisite(s): C INF 100 and C INF108 or I CSI/I ECE 201.

(2160) Jung, Seoe
6 Week 1: May 24-July 2

C Inf 495
Topics in Research, Applied & Experiential Learning: E-commerce & E-business Principles (3)
This course offered fully online. This course is designed to discuss selected topics related to research, application, and experiential learning in the fields of emergency preparedness, homeland security, cybersecurity, and informatics. Through the lectures, readings and class discussions students will develop a broad understanding of the different fields and their specific topics. The topics will be selected and announced by the instructor when offered. May be repeated for credit if content varies. Prerequisite(s): permission of instructor and junior or senior standing.

(2573) Dvir, Nimrod
6 Week 3: July 6-August 13