Computer Science CSC 360
Information Systems Project Management

Credits and contact hours: Credit hours: 3, Contact Hours: 45 (1 contact hour = 50 minutes; 1 class period is 150 minutes)

Instructor: Lynda Carter


Specific course information

a. Catalog description: This course provides a methodical approach to project management in the context of an information system organization. The theory and practice of project management are studied and applied. Topics include system life cycle planning, organizational structures, team building, interview techniques, management functions, project management software, project evaluation and control, and technical writing.

b. Prerequisites: CSC-235 and either CSC-280 or CSC-380

c. Required/Elective:
   i. Software Engineering - elective

Specific goals for the course

a. Specific outcomes of instruction
   a. The student will be able to describe the role of a project manager in the context of an information systems project.
   b. The student will be able to determine a reasonable scope for a given information systems project.
   c. The student will be able to develop a communication strategy that effectively supports completion of an information systems project.
   d. The student will be able to articulate the risks involved in an information systems project.
   e. The student will be able to define the elements of an effective team for completion of an information systems project.
   f. The student will be able to create a project schedule and budget that meets deadline expectations of an information systems project.
   g. The student will be able to utilize the Microsoft Project 2013 as a platform to manage an information systems project.

b. CAC Criterion 3 outcomes addressed by the course:
   c. An ability to design, implement, and evaluate a computer-based system, process, component or program to meet desired needs.
   d. An ability to function effectively on teams to accomplish a common goal.
   e. An understanding of professional, ethical, legal, security, and social issues and responsibilities.
   f. An ability to communicate effectively with a range of audiences.
g. An ability to analyze the local and global impact of computing on individuals, organizations, and society.
i. An ability to use current techniques, skills, and tools necessary for computing practice.
c. EAC Criterion 3 outcomes addressed by the course:
   c. An ability to design a system, component, or process to meet desired needs within realistic constraints such as economic, environmental, social, political, ethical, health and safety, manufacturability, and sustainability
d. An ability to function on multidisciplinary teams
f. An understanding of professional and ethical responsibility
g. An ability to communicate effectively
i. A recognition of the need for, and an ability to engage in life-long learning.

Brief list of topics to be covered
a. Define roles in project management (0.5 class periods)
b. Identify standard project management deliverables (0.5 class periods)
c. Identifying, prioritizing and engaging project stakeholders (1 class period)
d. Determining project scope, requirements and deliverables (1 class period)
e. Risk management strategies (1 class period)
f. Gantt charts and network diagrams (1 class period)
g. Microsoft Project scheduling functionality (1 class period)
h. Team building, member roles, and leadership (1 class period)
i. Semester project presentation with real world client (1 class period)
j. Agile and traditional project management approaches (1 class period)
k. Effective communication for project success (1 class period)
l. Project management career path and certifications (1 class period)
m. Collaborative work on semester project (2 class periods)
n. Final project presentation (1 class period)
o. Final exam (1 class period)