Course Prefix and Number: ITP 245  
Credits: 4

Course Title: Developing User Interfaces

Course Description: Provides instruction in the creation of computer application user interfaces that offer intuitive navigation and informative design for web, mobile, and desktop applications, and other technologies. Prerequisite or Co-requisite: ITP 236 or school approval. Lecture 4 hours per week.

General Course Purpose: A course for students who build user applications for web sites, mobile devices, and desktop applications.

Course Prerequisites and Co-requisites:
Prerequisite or Co-requisite: ITP 236 or school approval

Student Learning Outcomes:
Upon completing the course, the student will be able to
a. Design and create positive user interface experiences for various platforms;
b. Use a three-tier architecture model for applications;
c. Apply business layer assemblies to user interfaces; and
d. Use scaffolding code-generating techniques to interact with data models.

Major Topics to Be Included:
a. User interface concepts and fundamentals
b. ASP.NET for traditional web development
c. Model-View-Controller for web development with a clear separation of concerns
d. Windows Presentation Foundation for desktop applications
e. Other development platform options

Date Created/Updated (Month, Day, and Year): August 14, 2018