



CISC 592 - Software Architecture and Microservices, Spring 2020

MS Program with a Software Engineering Concentration

Harrisburg University of Science and Technology

Course Information

Instructor: Ira Weissberger, Ph.D.
Email:
Class Meetings: Online Thursdays: 8:00 PM EDT to 10:00 PM EDT, online via Adobe Connect (January 4, 2020 – April 17, 2020)
Office Hours: Online

Course Description

This course introduces the concepts and best practices of software architecture and Microservices. This course deals with the high-level building blocks that represent an underlying software system. How a software system is structured and how that system's elements are meant to interact. It covers fundamentals of software architecture, its principles, elements, components, configurations and architectural structures and styles. The special focus is given on the interaction between quality attributes and software architecture. Societal and ethical implications of software testing and quality will also be discussed.

[Program Educational Objectives, Assessment Methods, and General Education](#)