

# SUMMER 2020

## Computer Science

Extended Campus / Distance Education

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### CS 350-950

### Web Application Development

### CS 491-953

### Web & Database Application Development

### ONLINE COURSE

Instructor – Dr. Dunren Che

*Web application development* (also known as *Internet Programming* or *Web Programming*) goes far beyond Web page formatting and content development. It covers all aspects needed to develop a whole, fully-functioning Website, including client-side deliveries with rich dynamic/graphic features and server-side modules that collaborate with the client-side contents, implementing sophisticated Web and application activities. The course packs numerous popular languages and tools commonly used to create client side content/scripts and server side modules. Topics include, but are not limited to, markup languages, scripting languages, dynamic web pages, processing forms, server side technologies, and database access.

*The bundled section CS 491-953 has an added module of advanced database application on the Web. Students who have not taken CS 350 in the past can alternatively take this section (but cannot take both). Students please send email to Dr. Che at [dche@cs.siu.edu](mailto:dche@cs.siu.edu) if there is any question.*

**Prerequisite:** CS 202 (grade of “C” or better) or approval of instructor.

**Textbook:** Sebesta, Robert W., *Programming the World Wide Web*, 8th edition, 2015, Addison-Wesley, ISBN-13: 978-0133775983; ISBN-10: 0133775984.

**Note:** Although scheduled as an online course, the instructor still plans to arrange fixed-time virtual classroom meetings (for lectures and discussions) hosted on *Zoom*. The virtual meetings will be live recorded and made available for students to review, especially for those who are not able to join the virtual class meetings.