# Course Welcome

Welcome to Web Application and Security.

Web Application Security involves the security of websites and web applications. Advancements in web applications and other technologies have changed the way we work with, access and share information. At the same time, these advancements have provided new opportunities for malicious attacks.

This course will examine common web application software and hardware vulnerabilities. The creation and prevention of exploits such as buffer overflows, and SQL injection will be used as examples in the lab component of the course.

**Topics**

There are 8 modules to cover the following topics:

* Web Applications and Technologies
* Client Side Vulnerabilities
* Authentication
* Session Management
* Access Controls
* Back-end and Data Stores
* Users
* Server Technologies

Tips for Success

* Read all pre-class materials as assigned
* Actively participate in the labs and discussions