



BAKER COLLEGE
STUDENT LEARNING OUTCOMES

ITS 4050 Internet and Web Security
3 Semester Hours

Student Learning Outcomes & Enabling Objectives

1. Analyze the impact of the Internet and Web applications on the business world.
 2. Identify e-commerce areas of risk, security concepts, and how to manage those risks
 3. Analyze common personal online security threats and risks
 4. Compare and contrast Web-based risks.
 5. Introduce OWASP, top web threats and web based analytics.
 6. Describe common web site attacks and weaknesses
 7. Describe the attributes and qualities of the software development life cycle (SDLC) and secure coding practices.
 8. Further explore web application vulnerabilities and how to mitigate with secure coding best practices
 9. Analyze the role and importance of audit and compliance to Web application security.
 10. Analyze the role and importance of quality assurance (QA) testing for Web applications.
 11. Explain the value, best practices and importance of vulnerability and security assessments for Web applications.
 12. Describe popular mobile devices and communications technologies, and their security risks.
 13. Identify store-and-forward and real-time communications, and the threats against them.
 14. Describe common areas of the IT industry and the roles each plays in creating secure environments.
 15. Introduce other Web application security organizations, both federal and private.
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Big Ideas and Essential Questions

Big Ideas

- Internet and web application Security.
- Secure Access and authentication.
- Security of client and web server operations.

Essential Questions

1. Why is internet and web security vitally important to users and organizations?
 2. How do Protect web Site and web applications from security vulnerabilities?
 3. What is the importance of securing confidential data?
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These SLOs are approved for experiential credit.

Effective: Fall 2017