



University of Dayton

**Department of Computer
Science**

CPS 475/575

Secure Application Development

Lecture 11 – Security Principles and Requirements & Robust and Defensive Programming

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Today's Agenda

- Security Programming Principles
 - Software Security Review
 - Security Objectives/Requirements
 - Security and Design Principles
- Robust Programming
- Defensive Programming
- Assignment 1 gets started

Security Programming Principles - Acknowledgements

- The content of this topic was borrowed from several sources
 - David A. Wheeler, *Secure Programming HOWTO*, 2015. Online:
<https://www.dwheeler.com/secure-programs/>
 - John Viega Gary R. McGraw, *Building Secure Software: How to Avoid Security Problems the Right Way*, Addison-Wesley Professional, 2001.
 - Richard A. Kemmerer, Lecture notes in Computer Security and Privacy, UCLA