University of Essex | **Online**

Unit 1 - Reading

Course: MSc Computer Science

Module: Secure Software Development (Computer Science)

Assignment: ePortfolio

Date: Sunday 22nd August 2021

Student ID: 126853

Required Reading:

Core Text: Pillai, A.B. (2017) *Software Architecture with Python*. Birmingham, UK. Packt Publishing Ltd.

Asghar, M. Z., Alam, K. A. & Javed, S. (2019) Software Design Patterns Recommendation : A Systematic Literature Review, *2019 International Conference on Frontiers of Information Technology*.

Royce, W. W. (1970) Managing the Development of Large Software Systems.

OMG (2017) Unified Modelling Language, Version 2.5.1.

Unified Modelling Homepage

Mitre (2017) Weaknesses in OWASP Top Ten.

Pohl, C. & Hof, H-J. (2015) *Secure Scrum: Development of Secure Software with Scrum*, in Proc. of the 9th International Conference on Emerging Security Information, Systems and Technologies.

ISO/IEC (2018) ISO/IEC Standard 27000 Section 3.

Additional Reading:

Fowler, M. (2006) Code Smell.

Mougouei, D., Sani, F. M., & Almasi, M. (2013) S-Scrum: a Secure Methodology for Agile Development of Web Service, *Computer Science and Information Technology*.

Wichers, D. (2008) Breaking the Waterfall Mindset of the Security Industry. In: *OWASP AppSec USA*, New York.

Manadhata, P. & Wing, J. M. (2004) *Measuring a System's Attack Surface*, Carnegie Mellon.

Ofcom (2019) O2 Network Outage.

IBM (2015) 10 Essential Security Practices from IBM.

Open Group (2016) The SOA Source Book

Casteren, W. Van. (2017) The Waterfall Model and the Agile Methdologies: A Comparison by Project Characteristics.