SOFT2201: Software Construction and Design 1 - Course Information

Unit: SOFT2201: Software Construction and Design 1 (6 CP)

Mode: Normal-Day

On Offer: Yes

Level: Intermediate

Faculty/School: School of Computer Science

Unit Coordinator/s: Dr Wu, Xi

Session options: Semester 2

Campus: Camperdown/Darlington

Pre-Requisites: INFO1113 OR INFO1103 OR INFO1105 OR INFO1905.

Prohibitions: INFO3220 OR COMP9201.

Brief Handbook Description: This unit introduces the foundations of software design and construction. It covers the topics of modelling software (UML, CRC, use cases), software design principles, object-oriented programming theory (inheritance, polymorphism, dynamic subtyping and generics), and simple design patterns. The unit aims to foster a strong technical understanding of the underlying software design and construction theory (delivered in the lecture) but also has a strong emphasis of the practice, where students apply the theory on practical examples.

Assumed Knowledge: None.