CEN521 Software Engineering (2 Units)

Department of Electrical and Information Engineering

Covenant University
1. CEN521

1.1. CEN521 Software Engineering (2 Units)

Computer based system engineering. Requirements and Specification: Analysis, definition,
specification, software prototyping, formal specification, algebraic specification and model-based
design. Real-time system design. User interface design. Dependable Systems. Reliability and
Engineering (CASE). Verification and Validation: Validation and testing. Problems of assessing
and quantifying the system reliability. Test case and test data design. Management: People and
configuration and re-engineering of software.