

**Assignment 2 – Marking Guide/Sheet**  
**COMP1140 -2017 S2**  
**School of SEEC, University of Newcastle, Callaghan, Australia**

**Marks:** out of 100

1. Revised content of assignment 1: Requirement Specification, EER Diagram and Data Dictionary, Transaction Requirements, Business Rules (25 marks)
  - \* Requirements Specification (Clarity and completeness) 5 marks
  - \* EER Diagram and Data Dictionary 15 marks
    - +Rightness & Completeness of EER model
    - +Data dictionary and documentation
  - \* Transaction Requirements 2.5 marks
  - \* Business Rules 2.5 marks
2. Mapping of the EER model to the relational model in DBDL (50 marks)
  - +Mapping of each relation & attributes
  - +Mapping of each relationship
3. Normalizing the relational schema to Boyce-Codd Normal Form (20 marks)
  - +Discussion of functional dependencies, and process of normalising up to BCNF for all relations (e.g., if a relation is in 2<sup>nd</sup> normal form, give your reason why it is in 2<sup>nd</sup> form, then show all the process to normalise it up to BCNF).
4. Report Writing (5 marks)
  - +style, grammar, etc.