**Intended Learning Outcome**

Session 09 – Data Structures

Be able to explain the following algorithms and their use

* Topological order
* Minimum spanning trees (Prim, Kruskal)
* Dijkstra’s shortest path algorithm

Have implemented a graph

* Can explain, use, and modify this implementation
* Have implemented a graph algorithm

Carrano chapter 28 (pp 854 – 860)

Exercises:

Implement the graph interface (either from the previous session or from Carrano starting p. 861)

* If you follow the book, you may want to use existing Java data structures for stack and queue.