8. **Brute Force Search**
9. **Binary Search**
10. **Linked Lists**
11. **Double Linked Lists**
12. **Stacks**
13. **Queues**
14. **Binary Trees**
15. **Depth First Search**
16. **Breadth First Search**
17. **Recursion**
18. **Hash Tables**
19. **Complexity**
20. **Divide and Conquer**
21. **Backtracking**

Assessment:
Students will be advised of all matters relating to summative assessment at the outset of the course. Overall course grades will represent a balanced assessment of achievement in relation to all stated learning outcomes.

Weighting	Nature of assessment	Learning outcomes
30%	Lab Exercises: completed individually or in small groups on classroom topics and implementation	1,2,3,4,5
40%	Assignment(s): small project related to implementing and using a data structure, and (or) an algorithm in a real world situation.	1,2,3,4,5
30%	Final Exam	1,2,3,4,5

Learning and teaching approaches:
Topics may be taught in an integrated manner
Supervisor / student meetings/discussions
Collaborative and/or individual projects
Analyses of written, visual, aural and performance texts

Feedback:
Feedback is sought throughout the course using a range of assessment tools including:
Formal reflection, class forum and end of course survey

Learning resources required:
No set texts.
Specific readings will be provided during the course.

Learning resources recommended:
Booklist & resources published via Moodle
Computer lab
Classroom/Performance spaces
Equipment

Change Type (P, F or E)	*Effective*	*PC Date*	*FAC/AB Date (F, E only)*	*Readers*
P	S 2 2015	30/4/2015		