CPS 272 – Data Structure Schedule

| Week | Unit | Module | Items to Complete | Due Dates |
| --- | --- | --- | --- | --- |
| 1 | Course Orientation | 0 | * Read   + Course Orientation   + Syllabus and Schedule * Participate in Discussion Board   + Introduction | 10/24 |
|  | Module 1 – Array-Based Lists | 1 | * Read Module 1 * Watch Video   + Code Example |  |
| * Complete Quiz in Blackboard   + Module 1 Quiz | 10/26 |
|  | Module 2 – Stacks | 2 | * Read Module 2 * Watch Video   + Code Example * Complete Assignment in Blackboard   + Machine Problem 1 – Stacks * Participate in Discussion Board in Blackboard   + Machine Problem 1 (due 10/28) |  |
| * Complete Quiz in Blackboard   + Module 2 Quiz | 10/28 |
| 2 | Module 3 – Queues | 3 | * Read Module 3 * Watch Video   + Code Example * Complete Assignment in Blackboard   + Machine Problem 2 * Participate in Discussion Board in Blackboard   + Machine Problem 2 (due 11/01) |  |
| * Complete Quiz in Blackboard   + Module 3 Quiz | 10/30 |
|  | Module 4 – Recursion | 4 | * Read Module 4 * Watch Video   + Code Example |  |
| * Complete Quiz 4 in Blackboard   + Module 4 Quiz | 11/01 |
|  | Module 5 – Linked Lists | 5 | * Read Module 5 * Watch Video   + Code Example * Complete Assignment in Blackboard   + Machine Problem 3 * Participate in Discussion Board in Blackboard   + Machine Problem 3 (11/05) |  |
| * Complete Quiz in Blackboard   + Module 5 Quiz | 11/03 |
| 3 | Module 6 – Doubly Linked Lists | 6 | * Read Module 6 * Watch Video   + Code Example |  |
| * Complete Quiz in Blackboard   + Module 6 Quiz | 11/05 |
|  | Module 7 – Hashing | 7 | * Read Module 7 * Watch Video   + Code Example * Complete Assignment in Blackboard   + Machine Problem 4 * Participate in Discussion Board in Blackboard   + Machine Problem 4 (due 11/09) |  |
| * Complete Quiz in Blackboard   + Module 7 Quiz | 11/07 |
|  | Module 8 – Binary Trees (BST) | 8 | * Read Module 8 * Watch Video   + Code Example * Complete Assignment in Blackboard   + Machine Problem 5 * Participate in Discussion Board in Blackboard   + Machine Problem 5 (due 11/13) |  |
| * Complete Quiz in Blackboard   + Module 8 Quiz | 11/09 |
|  | Module 9 – AVL Trees (2-3-4 and red black) | 9 | * Read Module 9 * Watch Video   + Code Example |  |
|  |  |  | * Complete Quiz in Blackboard   + Module 9 Quiz | 11/11 |
| 4 | Module 10 – Heaps | 10 | * Read Module 10 * Watch Video   + Code Example |  |
|  |  |  | * Complete Quiz in Blackboard   + Module 10 Quiz | 11/13 |
|  | Module 11 – Sorting and searching | 11 | * Read Module 11 * Watch Video   + Code Example * Complete Assignment in Blackboard   + Machine Problem 6 * Participate in Discussion Board in Blackboard   + Machine Problem 6 (due 11/19) |  |
| * Complete Quiz in Blackboard   + Module 11 Quiz | 11/15 |
|  | Module 12 – Graphs | 12 | * Read Module 12 |  |
| * Complete Quiz in Blackboard   + Module 12 Quiz | 11/17 |
|  |  |  |
|  |  |  | * Review |  |
|  |  |  | * FINAL EXAM | 11/20 |