**COM267 Data Structures**

**Fall 2018**

**Course Syllabus**

Dr. Yılmaz AR

**Main Textbook:**  Data Structures Using C, Second Edition, Reema Thareja, Oxford University Pres

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| **Week** | **Tentative Schedule** | **Homework** |
| 1 | Introduction | - |
| 2 | Chapter 2: Introduction to Data Structures and Algorithms | - |
| 3 | Chapter 3: Arrays | HW1 |
| 4 | Chapter 4: Strings  Chapter 5: Structures and Unions | HW2 |
| 5 | Chapter 6: Linked Lists | HW3 |
| 6 | Chapter 7: Stacks | HW4 |
| 7 | Chapter 8: Queues | - |
| 8 | Midterm Exam | - |
| 9 | Chapter 9: Trees  Chapter 10: Efficient Binary Trees | HW5 |
| 10 | Chapter 11: Multi-way Search Trees | HW6 |
| 11 | Chapter 12: Heaps | HW7 |
| 12 | Chapter 13: Graphs | HW8 |
| 13 | Chapter 14: Searching and Sorting | - |
| 14 | Chapter 15: Hashing and Collision | - |
| 15 | Review | - |

**Grading:**

Midterm: %35

Lab: %15

Final Exam: %50