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| **CS3358: Data Structures and Algorithms - Tentative Schedule Rev 3**  **Spring 2020 - Section 256 - Tues / Thur 3:30 - 4:50 PM**  **Texas State University**  **Greg LaKomski** | | | | | |
| **Week #** | **Date** |  | **Topic** | **Reading** | **HW** |
| 1 | Jan 21 | T | Intro – Basics | Chapter1 | Coding probs 1.7 – 1.11 |
| Jan 23 | Th | The Vector 1 | Chapter1 |  |
| 2 | Jan 28 | T | Vector 2  Important Data Structures |  |  |
| Jan 30 | Th | Algorithmic Efficiency 1 |  | Coding probs 1.7 – 1.11 Due |
| 3 | Feb 4 | T | Recursion |  |  |
| Feb 6 | Th | Algorithmic Efficiency 2 |  |  |
| 4 | Feb 11 | T | Problem solving with Basic Data Structures |  |  |
| Feb 13 | Th | QuickSort - |  |  |
| 5 | Feb 18 | T | Intro to trees – Quick review |  |  |
| Feb 20 | Th | Midterm |  |  |
| 6 | Feb 25 | T | Trees 2 |  |  |
| Feb 27 | Th | Trees 3 |  |  |
| 7 | Mar 3 | T | Trees 4 |  |  |
| Mar 5 | Th | Graphs - intro |  |  |
| 8 | Mar 10 | T | Graphs |  |  |
| Mar 12 | Th | Graph Algorithms |  |  |
| 9 | Mar 17 | T | Spring Break |  |  |
| Mar 19 | Th | Spring Break |  |  |
| 10 | Mar 24 | T | Graph Algorithms |  |  |
| Mar 26 | Th | Review |  |  |
| 11 | Mar 31 | T | Midterm |  |  |
| April 2 | Th | Graph Algorithms |  |  |
| 12 | April 7 | T | Network Flow - Intro |  |  |
| April 9 | Th | Union Find |  |  |
| 13 | April 14 | T | Network Flow |  |  |
| April 16 | Th | Maps/ Hashing |  |  |
| 14 | April 21 | T | Hashing |  |  |
| April 23 | Th | Hashing / Bloom Filters |  |  |
| 15 | April 28 | T | Parallel Algorithms |  |  |
| April 30 | Th | Review |  |  |
|  |  |  | Final |  |  |
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