# SYLLABUS

| | |
|---|---|
| Appendix A | Summations |
| C.2→C.4 | Probability |
| Chapter 3 | Growth of Functions |
| Sections 4.1→4.3 | Solving recurrences |
| Section 2.3 | Divide-&-Conquer |
| Chapter 7 | QUICKSORT |
| Section 33.4 | Finding closest pair of points |
| Section 9.1 | Maximum **and** minimum |
| Chapter 6 | Heaps and HEAPSORT |
| Sections 17.1→17.2 | Amortized analysis |
| Chapter 19 | Binomial heaps |
| Section 5.4 | Probabilistic analysis |
| Sections 15.2→15.4 | Dynamic Programming |
| Chapter 24 | Single-Source Shortest Path |
| Chapter 22 | Graph search |
| Sections 26.1→26.3 | Network flow |
| Chapter 34 | NP-Completeness |