

CS400 – Programming III: Fall 2025 Syllabus

Week. Tue-Wed	Lecture Topics	Weekly Assignments
1: 09/03*-09/10	BST Review & Rotation Command Line (Bash)	P101.BinarySearchTree
2: 09/09-09/17	Red-Black Tree Testing (JUnit) and Editors	A02.BashIntroduction Q02.BSTAndRotation P102.BSTRotation
3: 09/16-09/24	Red-Black Tree SSH + Version Control	A03.JUnit Q03.RBTInsert P103.RoleCode
4: 09/23-10/01	AVL Tree More Version Control	A04.FirstGit Q04.RBTRemove P104.RedBlackTree
5: 09/30-10/08	B-Tree Make	A05.SecondGit Q05.VersionControl P105.CodeReview
6: 10/07-10/15	Lambda Expressions Sets and Graphs	A06.Make Q06.B-Tree P106.Iterator
7: 10/14-10/22	MST on Graphs HTML+CSS	A07.Lambda Q07.SetsAndGraph P107.Integration
8: 10/21-10/29	Review	 EXAM1 Monday 10/27 ■

9: 10/28-11/05	Shortest Paths Webservers	A09.HTMLAndCSS Q09.MST P209.RoleCode
10: 11/04-11/12	Linear Sorts JavaScript	A10.WebServer Q10.ShortestPath P210.ShortestPath
11: 11/11-11/19	Hashtables GUI (JavaFX)	A11.JavaScript Q11.LinearSorts P211.CodeReview
12: 11/18-11/26 (Thanksgiving)	Tries More GUI (JavaFX)	A12.FirstJavaFX Q12.Hashtable
13: 11/25-12/03	Skip Lists Regex	A13.SecondJavaFX Q13.Tries P213.Hashtable
14: 12/02-12/10	Streams and Pipes	A14.Regex Q14.SkipLists P214.Integration
15: Exam Week	 EXAM2 Wednesday 12/17 ■■	