CSE330-14 Resources - Fall 2023 - SAK

Supplementary Lecture Recordings	Supplementary Lecture Notes
Chapter 1 ● Loss of Significance	N/A
Chapter 2 ● Hermite Interpolation [Short Recording]	N/A
Chapter 3 ● Numerical Differentiation [Class] ● Richardson Extrapolation [Class] ● Richardson Extrapolation [Short Recording]	N/A
Chapter 4 ● Interval Bisection 1 ● Fixed-point Iteration ● Fixed-point Iteration Concepts ● Fixed-point Iteration Recap (Class on 21/11/2023) ● Newton's Method & Aitken's Acceleration	● Interval Bisection ● Fixed-point Iteration ● Fixed-point Iteration Recap ● Newton's Method
Chapter 5 ● Gaussian Elimination & LU-decomposition	● Gaussian Elimination & LU-decomposition
Chapter 6 ● Discrete Least Squares, Orthogonality, Gram-Schimdt Process ● QR Decomposition	● Least squares approximation

Chapter 7	
● [Numerical Integration](#)	● [Numerical Integration](#)

Important Links
- [Grade Sheet](#)

Practice Sheets, Quizzes, Assignment Solutions
Chapter 1: P1, P2 Q1
Chapter 2: P1, P2, Q2Q3
Chapter 3: P1
Mix [Ch1–3]: P1
[A4 Solution](#)
[A5 Solution](#)
[Q2-Q5 Solutions](#)