

Plaintext

Generate a lecture scribe for the course CSE 400: Fundamentals of Probability in Computing based strictly on the attached materials.

Purpose:

This scribe is intended explicitly for exam preparation and must serve as an exam-oriented reference material.

Scope Constraints and Faithfulness:

You must maintain strict faithfulness to the provided lecture and textbook materials. The scribe must contain only information traceable to the attached context. Include definitions, notation, assumptions, and theorem statements strictly from the provided text. Include proofs, derivations, and worked examples only when they appear in the provided context. Exclude any external knowledge, external formulas, or concepts not explicitly found in the attached documents.

Structural Expectations:

Organize the scribe using clear headings and a logical flow. Structure the document using the following specific headings based on the provided content:

- Scribe Information (Student: Kamya | Section: 2 | Group: 1 | Lecture: 11)
- Definitions
- Notation and Assumptions
- Theorems
- Proofs
- Worked Examples

Do not output any conversational text, introductory greetings, concluding remarks, or explanations of your generation process. Output strictly the formatted lecture scribe.