

Constructing a Zero-Shot prompt requires a disciplined approach to ensure the AI remains faithful only to your course materials without adding external "intuition" or examples.

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Here is a step-by-step construction of a prompt that adheres to the CSE 400 guidelines for **Prompting Style 1**.

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Step 1: Define Purpose and Scope

Start by establishing that this is a formal academic document restricted entirely to the provided context.

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"Generate a lecture scribe intended for exam preparation. Use only the provided context from the lecture materials and relevant textbook content."

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Step 2: Specify Required Content

Clearly list the elements the model must capture from the slides and textbook .

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"Include all definitions, notation, assumptions, and conditions. Provide full statements of theorems and results. Include step-by-step proofs or derivations and worked examples with all intermediate steps exactly as presented."

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Step 3: Establish Negative Constraints

To avoid hallucinations or creative "helpfulness," you must explicitly forbid any external information.

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"Do not invent content, introduce new examples, or add explanations not discussed in the provided materials. Do not include your own reasoning process or use phrases like 'for example' or 'like this' in your instructions."

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Step 4: Define Structural Expectations

Ensure the output is organized for revision.

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"Organize the scribe with clear headings and logical sections to ensure a student can reliably use this document for revision and to understand logical dependencies between concepts."

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The Final Zero-Shot Prompt

Combining these steps results in the following valid prompt:

"Generate a lecture scribe intended for exam preparation. Use only the provided context from the lecture materials and textbook content. Include all definitions, notation, assumptions, conditions, theorem statements, step-by-step proofs or derivations, and worked examples exactly as they appear in the source material. Do not invent content, introduce new examples, or add intuition or explanations not discussed in the provided materials. Organize the scribe clearly with headings and logical sections so it can be used for reliable revision."

Important Reminders for Your Submission:

- **Single-Prompt Rule:** You must submit only this prompt in a single chat session. You cannot use a second prompt to "fix" or "refine" the result.
- **LaTeX Conversion:** If you need to convert the output to LaTeX, you **must** do so in a completely separate chat.
- **File Naming:** When you save your prompt file, ensure it follows the format: `GroupName_LecNo_Prompt_Z_Shot_AUID_Name.txt`.

Would you like me to help you format the required directory structure for your GitHub repository?