

# Lecture Notes Example

MATH 2243

2025-10-23

1 <YYYY-MM-DD> — <topic here>

## Warm-up Sweep

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- Capture quick bullet points here.
- **Tag:** Use the optional argument to emphasize a lead word.

## Main Topic

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- Reference earlier sections inline --- see Section 1 for the baseline sweep.
- **Action:** Drop follow-up actions or TODOs that surface during the lecture.

### DEFINITION 1 *Optional subtitle*

Drop a grayscale definition box here whenever you need lightweight structure in your intake notes.

### THEOREM 1 *Optional subtitle*

Use the theorem block for rules-of-thumb or ad-hoc proofs that are easier to keep near the raw lecture log.

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### Example 1

### Optional subtitle

Keep scratch derivations or numeric sanity checks in this example box.

*Tip:* Add `\label \{ . . . \}` inside any lecture block (e.g., Definition 1) to cross-reference it from chapters or appendices.