

# Lecture Notes

This section contains structured outlines of TCSS 305 lectures. These are **not transcripts**—they're condensed summaries designed to help you:

- **Review** key concepts after attending lecture
- **Catch up** if you missed a class
- **Find** specific topics and timestamps quickly

Each outline includes timestamps so you can jump to relevant sections in the [Panopto recording](#).

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## How to Use These Outlines

1. **During review:** Skim the outline to refresh your memory on key concepts
2. **Finding a topic:** Use the section headers and timestamps to locate specific content in the recording
3. **Before assignments:** Check which lectures relate to your current assignment (noted at the top of each outline)

### These Don't Replace Attending

Lecture outlines capture the main points, but live attendance lets you ask questions, see live coding mistakes (and fixes), and engage with the material in real time.

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## Lecture Schedule

Week	Topics	Assignment
1	Course intro, tools (IntelliJ, Checkstyle), Java review	A1a
2	OO memory model, class design, constructors, visibility, intro to testing, Object methods	A1b

Week	Topics	Assignment
3	Mutable vs immutable, overload/override, BigDecimal, Comparable/Comparator, exceptions	A1c
4	Inheritance, polymorphism, abstract classes, interfaces, Cloneable, static/dynamic binding	A2
5	More inheritance/polymorphism, intro to GUI, Swing components, layout managers, code smells	A2
6	Event-driven programming, action listeners, lambdas, more Swing	A3
7	Git/GitHub, Observer pattern, mouse/key listeners	Group Project
8	PropertyChangeListener, 2D graphics, animation	Group Project
9	Stream API, lambdas, method references	Group Project
10	Topic cleanup and review	Group Project

*Quiz weeks (4, 7, 10) have reduced lecture content. Outlines will be added as the quarter progresses.*

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## Quick Links

- [All Assignments](#)
- [Course Guides](#)
- [Panopto Recordings](#) (requires UW login)