COMP 4210 Technical Presentation

Spring 2026

50 points

You each will give two 10-15 minute presentations to the class on a relevant course topic. Your presentation should include coverage of conceptual material, with examples to illustrate the ideas, and can also include live coding demos or same code execution.

These topics are chapters from Azam's text. I have also posted two other textbooks in PDF format on Brightspace. For each topic I will also spend class time adding commentary, more detail, examples, and context.

Here are the topics:

1. Module Basics (6.1-6.2)
2. Cargo & Privacy (6.3-6.4)
3. Unit Testing (7.1)
4. Error Handling (Klabnik/Nichols, 9)
5. Generics (8.1)
6. Traits (8.2)
7. Closures (9.1)
8. Iterators (9.3-9.5)
9. Lifetimes (10.1)
10. Smart Pointers (10.2)
11. Patterns & Matching (Klabnik/Nichols, 18)
12. Singly Linked List (11.1)
13. Doubly Linked List (11.2)
14. Patterns on Structs (12.1-12.2)
15. Size, part 1 (13.1-13.3)
16. Size, part 2 (13.4-13.5)
17. Threads (14.1-14.2)
18. Communication (14.3)
19. Synchronization (14.4-14.6)
20. Macros (15.1)
21. Web Programming (16.1-16.3)
22. Files (17.1-17.2)
23. Regex & String (17.3-17.4)
24. Operator Overloading (Blandy et al., 11)

Presentations will start next Monday, February 2.

Spend the next couple days researching these topics, and send me your **top six choices**, 3 from topcis 1 – 12 and 3 from chapters 13-24, **by noon on Tuesday January 27.**