

CMSC423 Fall 2025: Wrap-up and FAQ

What we didn't cover.

Most of bioinformatics and computational biology:

- almost all of “long read” technology and method development
- minimizer schemes, sketching, modern succinct indexes
- single-cell genomics (e.g. single-cell RNA-seq)
- spatial genomics
- metagenomics
- biological network analysis
- “systems” biology (e.g. regulatory inference)
- biostatistics and statistical interpretation of genomics results
- modern approaches of machine learning in bioinformatics (deep learning)
- much, much more.

End of Semester FAQ

1. When is the final?
 - Mon. Dec 15th (10:30AM-12:30PM)
2. Where is the final?
 - In this room
3. What content will be on the final?
 - Technically, the final is comprehensive. Practically, it will focus on the material we have spent the most time on (there won't be questions about everything). There will be a focus on recent material (likely questions on the de Bruijn Graph and RNA-seq).
4. What will the format of the exam be?
 - Same as the midterm. Short answer & longer-form “thinking” questions. The final will *not* be proportionally longer —**you will have more time per-question than the midterm.**
5. How can I prepare for the final?
 - Go over the lectures, go over your midterms, go over your projects, google about material you still don't get, ask us questions on piazza.

End of Semester FAQ

6. What grade will I get?

- **I don't know (yet)**
- **The grade distribution will be adjusted so that the mean (or median) grade is (at least) in the B range, with +/- grades going in several point increments from there.**
- **There is still time to get extra credit via Project 6. This will be worth a full 6 points of extra credit on your final grade!**

7. Course survey.

8. Other questions?