CS 498 TC ✧ Computational Geometry ✧ Spring 2026

✧ Final exam ✧

Due Thursday, May 14, 2026 at 10pm

✧ Important instructions — Please read carefully! ✧

- **Don't panic!**
- **You have at most 150 minutes (that is, 2½ hours) to complete this exam and upload your solutions.** The clock started when you opened the Gradescope assignment.
- All solutions must be uploaded before ~~11am (Central Time) on Monday, May 11.~~ **10pm (Central Time) on Thursday, May 14.** Because of the campus-mandated postponement of all early final exams (in response to the May 7 Canvas outage), I am extending the submission deadline until the very end of the final-exam period. I strongly encourage you to take the exam as early as you practically can.
- The exam is designed to be completed on paper in 90 minutes. There are four problems.
- Upload your solutions to Gradescope as a single PDF file. If you are writing solutions by hand, please do not submit raw photographs; I recommend using the Gradescope app to remove backgrounds, remove keystoning, and increase contrast. Please submit a PDF with standard (US letter) pages, with your solution to each numbered problem starting on a new page.
- **This is an open-book, closed-everything-else exam.** You are welcome to use any materials linked directly from this semester's course web site and anything you wrote yourself before starting the exam. All other resources, including materials from other classes and/or previous semesters, other textbooks, other internet resources, LLM chatbots, and (most importantly) other people, are not permitted.
- If you use a standard algorithm or data structure from this class, or from any prerequisite class as a black box, ***please do not*** give a detailed description; just name the algorithm or data structure. Similarly, if you use a minor variant of an algorithm from this class or a prerequisite class, please describe only the necessary modifications.
- You can implicitly assume general position without comment. You are welcome to use randomized algorithms, but none of the problems in this exam require them.
- **I cannot answer questions about the exam while the exam is in progress.** If you need to make additional assumptions to solve an exam problem, please state those assumptions clearly in your solution. Do not discuss the exam with anyone until after the submission deadline.
- The exam is not proctored. I am trusting you to take the exam by yourself, with no help from anyone, within the declared time limits. The exam is first and foremost a mechanism to give you honest feedback on your mastery of the course material; please treat it as such. All academic integrity policies are still in place.
