

# Course Project Proposal

## CSCI-4963/6962: Geometric Algorithms

Due: Tuesday, February 15, 2000

The project proposal is an exercise to help you identify the topic you will work on for the course project. You will receive feedback on the appropriateness and scope of the project you propose. Individual course projects are encouraged, and group projects require instructor approval.

Your project proposal should:

1. Outline the problem or topic you plan to work on for the project. Provide the context and motivation for your project. Problems that are geometric in nature and that can be solved using algorithmic techniques are good candidates for a project.
2. State the goals of your project. For example, are you analyzing a new problem, extending the analysis of an existing problem, implementing algorithms for an application, preparing a survey of an area, ...?
3. Describe what you expect to deliver as the final project. Is it a theoretical analysis, software implementation, performance comparison, classroom lecture, ...? The final project must include a written report summarizing your work.

Evaluation of appropriateness partially depends on what you are likely to learn from the project. More is expected from students taking the graduate version of the course. See the attached handout for pointers to computational geometry books, journals, conferences, and related material.

The final course project is due on April 11, 2000.