# Final Project Proposal
# CSCI-4963/6962: Geometric Algorithms

**Due: Thursday, April 6, 2000**

The final project proposal will serve to finalize your course project. Treat this as a one or two page outline of your project report. It will provide a basis to evaluate your project, and will count for 5% of your course grade.

1. Outline the problem or topic you are working on for the project, and provide the context for your project.

2. State the goals of your project and what you will do. List the geometric tasks involved and the algorithms you will develop/implement to solve them. Be specific. Include explanatory figures as necessary. Identify what you will definitely accomplish in your project, and what you hope to complete.

3. If your project involves an implementation, mention the programming language and any software libraries you will use. Describe the program inputs and outputs. For example, is it a 2D or 3D implementation? Are the inputs convex polygons, simple polygons, polyhedra, ...? Are there any special cases that will or will not be handled?

4. Describe what you will deliver as the final project. Will it involve a demonstration? How will you display results? The final project must include a written report summarizing your work.

5. Provide a list of references to relevant papers or books.

   For students taking the course for graduate credit, your final project report should include a brief summary of relevant recent results on the topic, and a list of important issues to be addressed.

The final course project is due on April 18, 2000. The course project, including this proposal, counts for 40% of your course grade.