

# Course Project

15-8190: Program Analysis  
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Project Proposals due Friday, March 22 at 11:59pm  
Milestone 1 Report due Monday, April 8 at 1:30pm  
Milestone 2 Report due Monday, April 22 at 1:30pm  
Project Presentations and Reports due Monday, May 6 at 8:30am  
500 points total

The goal of the course project is to become deeply familiar with a sub-area of program analysis research and to make a research or engineering contribution to the state of the art. The expected scope of the project is about 40 hours, spread out over the last half of the course.

**Groups.** Students may work on this project in groups. Group projects will be given a single grade, with exceptions only in extraordinary circumstances (e.g. if someone is clearly not pulling his or her weight). You are free to choose your own groups. Expectations for the project will be scaled (within reason) to the size of the group.

# 1 Project Proposals

Your project proposal should be emailed to the instructor (aldrich@cs.cmu.edu). List the project title and the members of your group. You have several options for the project:

- You may design and implement an interesting analysis. In this case, describe the goals of the analysis, the techniques you plan to use in designing and implementing it, and how you will evaluate its success.
- You may carry out an empirical evaluation of an existing analysis method and/or tool. In this case, describe the analysis methodology and/or tool you will be using. Also describe the code which you will be analyzing and how you will evaluate the analysis.
- Other ideas are welcome, contact the instructor.

Whatever case you choose, also describe what you intend to do by the first and second milestones. Your proposal should be about a page of text, and is worth 50 points.