

Project Schedule

Here are the schedules for projects for the rest of the quarter. Each of these milestones has a grade associated with it. Your project grade will be a sum of these grades.

1. Implement a design using SystemC and CoCentric Behavioral Compiler. By now you should have implemented C code for your project. Here is your schedule. All code should be put in your coe account in the directory `Courses/ECE3485/Project/`

Due Date	Description
4/30	SystemC specification using synthesizable data types.
5/7	SystemC design implemented once using Cocentric SystemC Behavioral Compiler
5/16	Hand design of fastest design and smallest design. Estimate of area and speed for each. Estimate of cycle time for some realistic designs based on DesignWare library components.
Rest of May	Design space exploration of different designs using Cocentric SystemC Behavioral Compiler
5/23	Preliminary project report due
6/5 at Noon	Final project report due

2. Read three research journal articles (or the equivalent) on a topic related to High Level Synthesis and provide an in-depth analysis of the papers. By now you should have selected 3 journal papers, or the equivalent and submitted complete citations of them to me. 2 conference papers are the equivalent of one journal article. Here are your deadlines for the rest of the quarter:

Due Date	Description
4/30	Read one journal article or the equivalent and submit a summary
5/16	Read a second journal article or the equivalent and submit a summary. Compare and contrast the first two articles.
5/23	Preliminary project report due
6/5 at Noon	Final project report due

All parts should be written in good quality English. Points will be lost for poor English. All parts should include complete citations (including page numbers) in IEEE style (see <http://standards.ieee.org/guides/style/>) of the papers being discussed.