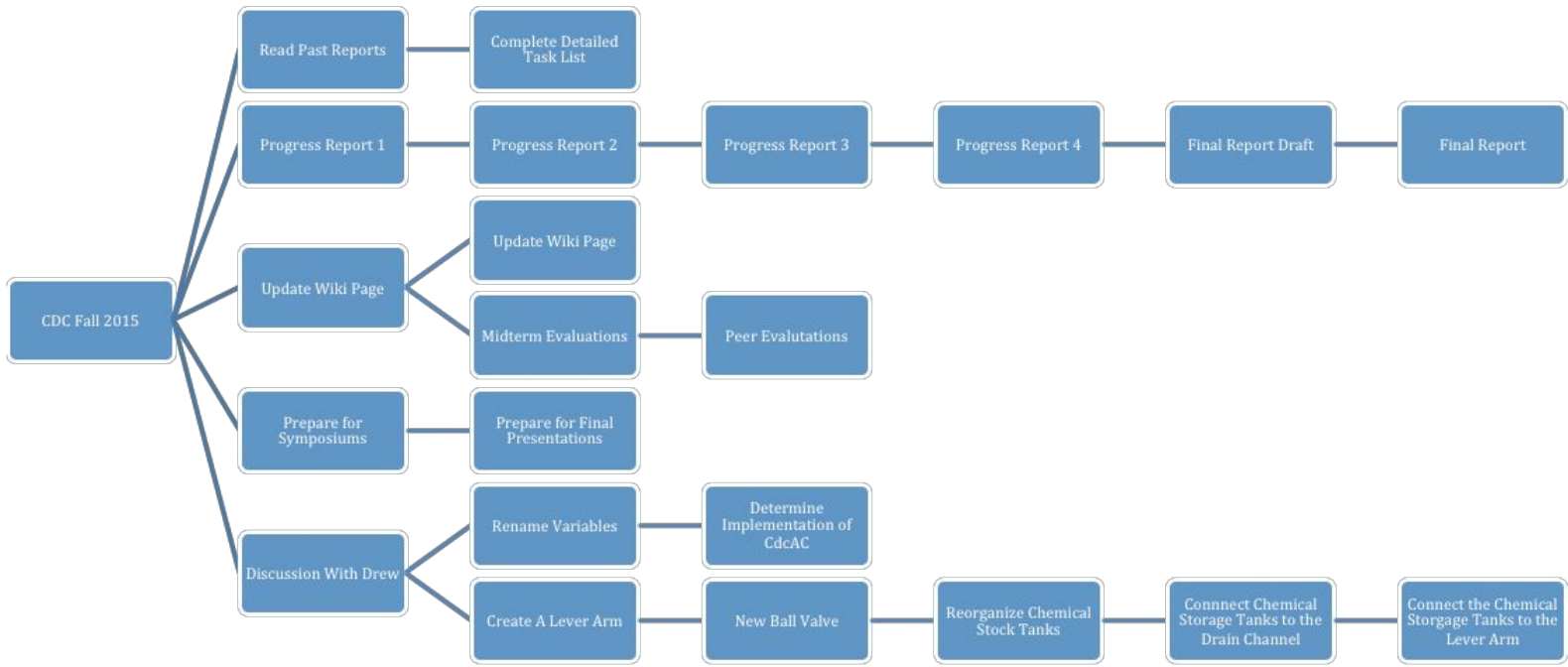# CDC Detailed Task List

Task Map

Task Details

1. Discussion with Drew/September 5th - Discuss with Drew, what needs to be accomplished this semester and determine which tasks should be prioritized.

2. Read Past Reports/September 9th - Read past reports and write a summary about each one to be used as a literature review.

3. Complete Detailed Task List/September 11th - Write a Detailed Task List.

4. Update Wiki Page/September 14th - Update individual wiki page to include the plan for this semester.

5. Rename Variables/September 17th - Rename variables in the CdcAC Mathcad file that are undefined that so CdcAC can work in conjunction with the ChemicalDoseController Mathcad file.

6. Determine Implementation of CdcAC/September 25th - Determine how well the CDC design is drawn in the CdcAC file Mathcad. If the file outputs a drawing that is compatible to the current design of AguaClara plants, the code should be merged with

the other CDC files that are used in the AguaClara Design Tool. If not, a design algorithm for the entire CDC system will need to be designed.

7. Progress Report 1/September 25th - Write Progress Report 1 and submit it by midnight.

8. Progress Report 2/October 9th - Write Progress Report 2 and submit it by midnight.

9. Prepare for Symposiums/October 16th - Prepare a PowerPoint presentation and practice presenting.

10. Create Lever Arm/October 17th - Write the Mathcad code that will draw a lever arm that so it will be drawn in the slot next the Entrance Tank. Make sure that there are two rails and pipes each, one set for disinfection and the other for coagulation.

11. Complete Midterm Peer Evaluations and Update Wiki Page/October 23rd - Complete the Midterm Peer Evaluations and update personal wiki pages.

12. New Ball Valve/October 28th - Download the drawing for a ball valve that looks more realistic than the current drawing being used. Make sure that the the length is the correct length (L.BallValve)

13. Reorganize Chemical Stock Tanks/November 12th - Develop a function that will organize the chemical storage tank that so there is an optimal amount of space for everyone at all times.

14. Progress Report 3/November 16th - Write Progress Report 3 and submit it by midnight.

15. Progress Report 4/November 20th - Write Progress Report 4 and submit it by midnight.

16. Connect the Chemical Storage Tanks to the Drain Channel/November 28th - Complete the drawing code that will connect the Chemical Storage Tanks to the Drain Channel using pipes and valves.

17. Connect the Chemical Storage Tanks to the Lever Arm/December 2nd - Complete the drawing code that will connect the Chemical Storage Tanks to the Lever Arm using pipes and valves.

18. Final Report and Peer Evaluations/December 4th - Write a Final Report and submit a peer evaluation.

19. Final Presentation Preparation/December TBAth - Prepare a final presentation tool and practice for the presentation.