The goal of this project is to develop a simple Monte Carlo solver in Python that will include tallies, sampling routines, and implicit capture. The solver will include the calculation of relative error in the tallies; the consideration of error may be expanded depending on the outcome. Ideally, the effect of uncertainty in the input data could also be considered. In order to meet this goal, the major steps that need to be accomplished are outlined in the table below. Included with these steps are tentative deadlines and information for critical assignment dates.

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| Task | Deadline | Required |
| Written abstract | April 1, 2016 | * Decide project topic. * Plan to accomplish. |
| Code outline | April 4, 2016 | * Decide what to include (tallies, sampling, variance reduction). * Decide geometry, regions, material compositions, and data; how can these be made more dynamic? |
| Working solution to NE225 HW4 MC question | April 8, 2016 | * Turn handwritten procedure into working python code (1D, simple data). |
| Expand working code to include simple relative error and more complete data | April 12, 2016 | * Add into code routines. * Begin consideration of relative error for other tallies (if applicable). |
| Interim report | April 15, 2016 | * Combine all of the above into a cohesive written form, including discussions about relative error and input data uncertainty. * Update plan for remainder of project. |
| Test problems | April 20, 2016 | * Identify and implement simple tests to make sure code is working properly at this stage. * Identify and outline methods for more thorough/advanced testing. * Should test both the numerical result and the relative error result |
| Formalize relative error calculations; expand tallies to include other potential results (user specified) | April 22, 2016 | * Do I want/need to add more? Is what I have already formally implemented? |
| Finish code | May 3, 2016 | * Have everything working so I can start to write and develop presentation. |
| Final written report and presentation | May 10, 2016 | * Formalize testing * Identify and demonstrate results for representative problem(s) and test problems * Combine all of the above into a cohesive written form/short presentation. |