**Timeline for course**

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| **Meeting** | **Date** | **Topic** | **Homework** |
| 1 | 31 – Aug | R Intro, TextWrangler/BBedit | Running existing functions; Write a new function |
| 2 | 7 – Sept | More R Intro & Basic Population & Community Ecology Analyses | Analyze example datasets & email Swenson a dissection of a function |
| 3 | 14 – Sept | More Advanced Population & Community Ecology Analyses | Analyze example datasets & email Swenson a dissection of a function |
| 4 | 21 – Sept | GitHub, Verson Control, Terminal, Summarizing, Visualizing & Wrangling Data I | Set up GitHub account and use it, Run R in terminal |
| 5 | 28 – Sept | **NO CLASS** | Email Swenson a problem that you will work on for the class project |
| 6 | 5 – Oct | Summarizing, Visualizing & Wrangling Data II | Write code to read in, visualize and summarize several files provided and commit |
| 7 | 12 – Oct | Project idea presentation, how to tackle problems, & modular programming | Write a schematic detailing the workflow, the input/output, goals and functions (existing or not) and commit |
| 8 | 19 – Oct | Speeding things up, sampling and re-sampling | Meet with Swenson to discuss strategies to solve problem, address first one (or several) steps in workflow and commit |
| 9 | 26 – Oct | Markdown via Knitr | Commit a Markdown document for the first several steps in workflow |
| 10 | 2 – Nov | Simulating Data | Simulate random and non-random datasets and run through your workflow - commit |
| 11 | 9 – Nov | Troubleshooting Projects & Specialized Analyses: I | Commit all updates on your project and document achievements and known obstacles or errors |
| 12 | 16 – Nov | Troubleshooting Projects & Specialized Analyses: II | Commit all updates on your project and document achievements and known obstacles or errors |
|  | 23 – Nov | **THANKSGIVING** | Commit Presentations (Group 1) |
| 13 | 30 – Nov | Project Presentations Group 1 | Commit Presentations (Group 2) |
| 14 | 7 – Dec | Project Presentations Group 2 |  |