Week	Main Topics	Description
1, Th	Introduction to course	Syllabus, TACC account, canvas and piazza account
2, T	Types of computers	Architectures (laptop, cluster, supercomputer). What computers look like and how the pieces interact
2, Th	Unix tools and environment, part 1	How to interact with a linux box and edit files
3, T	Unix tools and environment, part 2	Using TACC systems. ssh and remote access. How to transfer files and manipulate a machine remotely
3, Th	Unix tools and environment, part 3	Advanced Unix, tips and tricks
4, T	Version control	Overview of version control systems, Using Git
4, Th	Version control	
5, T	Representation of numbers	Floating point error and related numerical representation issues with computers
5, Th	Computing environments	Machines, operating systems, tools, differences
6, T	Compilers	What they are, how they work, and why we need them, how to use them
6, Th	Compilers	
7, T	Make	An introduction to build automation tools and how to