



The U.S. National Science Foundation Cyberinfrastructure Center of Excellence

CI Compass Fellowship Program

Example Spring Virtual Training Program Syllabus

Week	Technical Skills Component	Data Life Cycle Component
Week 1	The Command Line	Major Facilities, Cyberinfrastructure, and the Data Life Cycle
Week 2	Scientific Python Programming	Guest Lecture from TACC
Week 3	Overview of Scientific Computing	Guest Lecture from NCAR
Week 4	Git and Coding Standards	Guest Lecture from CHES
Week 5	Guest Speaker from NCAR Containers and Debugging	Guest Lecture from LIGO
Week 6	FAIR Data + ORCID	Guest Lecture from MagLab
Week 7	Software Architecture and Systems; Digital Archives	Guest Lecture from OOI
Week 8	Cloud Computing	Guest Lecture from CXFEL
Week 9	Data Workflows	Guest Lecture from NEON
Week 10	Machine Learning (Classical)	Guest Lecture from RCRV
Week 11	Neural Networks	Professional Communications and Networking Skills



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