



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

CI Compass Fellowship Program

Syllabus for the 2026 Spring Virtual Training Program

Week	Tuesday	Thursday
Week 1 1/20 & 1/22	Major Facilities, Cyberinfrastructure, and the Data Life Cycle	The Command Line
Week 2 1/27 & 1/29	Scientific Python Programming	Guest Speaker from TACC
Week 3 2/3 & 2/5	Overview of Scientific Computing TACC demo	Guest Speaker from NCAR + 15 min Overview of Group Project
Week 4 2/10 & 2/12	Git and Coding Standards	Guest Speaker from CHES + LIGO
Week 5 2/17 & 2/19	Guest Speaker from NCAR Containers and Debugging	MF/DLC Research Project Group Work
Week 6 2/24 & 2/26	FAIR Data + ORCID	Guest Speaker from MagLab + CXFEL
Week 7 3/3 & 3/5	Software Architecture and Systems; Digital Archives	Guest Speakers from OOI + R/V Sikuliaq
Week 8 3/10 & 3/12	Cloud Computing	MF/DLC Research Project Group Work
Week 9 3/17 & 3/19	Spring Break	Spring Break
Week 10 3/24 & 3/26	Data Workflows	Professional Communications and Networking Skills + Presentation Review
Week 11 3/31 & 4/2	Machine Learning (Classical)	Neural Networks
Week 12 4/7 & 4/9	Group Project Presentation Day 1	Group Project Presentations Day 2

The **Technical Skills Component** is highlighted in blue, and the **Data Life Cycle Component** is highlighted in green.



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