

Supplemental Table 2. Informatics for Pathology Practice and Research 1 Course Architecture.

Module #	Module Objectives	Assessment	Course Objective #
1	Build a basic Unix environment	Exercises	1,3
1	Apply Unix commands for navigating through file systems	Pre-Class Quiz*, Exercises	1,3
2	Apply and create Unix commands for examining, modifying, and renaming files and directories	Pre-Class Quiz*, Exercises	1,3
3	Apply and create Unix commands for searching, copying, comparing, and joining files/folders	Pre-Class Quiz*, Exercises	1,3
3	Apply and create Unix commands for process management and software installation	Pre-Class Quiz*, Exercises	3,4
4	Create new documents and scripts using nano editor	Pre-Class Quiz*, Exercises	3
4	Create shell scripts using AWK, sed, and Unix commands	Pre-Class Quiz*, Exercises	3
4	Conduct ad hoc data processing with command creation	Exercises	3
5	Write and read bash scripts	Pre-Class Quiz*, Exercises	3
5	Submit and manage jobs via Slurm on HiPerGator	Pre-Class Quiz*, Exercises	2,3,4
1-5	Evaluate Unix commands for effectiveness and efficiency	Peer Review	1,3,4

*Pre-class Quizzes were used as assessment scaffolding to check knowledge and comprehension of commands prior to higher-order Exercises.