

|          |  | HW<br>0121 | HW<br>0123 | HW<br>0206 | HW<br>0220 | HW<br>0311 | HW1<br>0403 | HW2<br>0403 | DP<br>0422 | MM<br>0422 | HW<br>0501 | So Far | Totals |
|----------|--|------------|------------|------------|------------|------------|-------------|-------------|------------|------------|------------|--------|--------|
| Outcomes |  |            |            |            |            |            |             |             |            |            |            |        |        |
| <b>1</b> | <b>Perform operating system tasks that are typically viewed as “power user” activities.</b>  |            |            |            |            |            |             |             |            |            |            |        | +      |
| 1a       | Effectively and efficiently use a command-based operating system shell to manage and explore a machine’s processes, memory, and file system. |            |            | /          |            | +          | +           |             |            |            |            | +      |        |
| 1b       | Redirect input and output streams to and from files, processes, and networked computers.   |            |            |            |            |            |             |             |            |            |            |        | /      |
| 1c       | Interact with operating systems across the network.  |            |            | +          |            |            |             |             |            |            |            | +      | -      |
| <b>2</b> | <b>Implement common operating system functionalities and algorithms.</b>   |            |            |            |            |            |             |             |            |            |            |        | O      |
| 2a       | Build and deploy an operating system kernel.   |            |            |            |            | +          |             |             |            |            |            | +      |        |
| 2b       | Define, implement, and invoke a new system call.   |            |            |            |            |            |             |             |            |            |            |        |        |
| 2c       | Write a simple operating system shell.   |            |            |            |            |            | +           |             |            |            |            | +      |        |
| 2d       | Simulate or implement standalone demonstrations of operating system scenarios and algorithms.  |            |            |            |            |            |             |             | +          | +          |            | +      |        |
| 2e       | Create a virtual disk and navigate it at the byte level.   |            |            |            |            |            |             |             |            |            |            |        |        |
| <b>3</b> | <b>Demonstrate genre literacy within the operating system field.</b>   |            |            |            |            |            |             |             |            |            |            |        |        |
| 3a       | Perform and document operating system tasks and activities, across different platforms where applicable.                                     |            |            | +          |            |            | +           |             |            |            |            | +      |        |
| 3b       | State and describe seminal personalities and milestones from the field’s history.  |            |            |            |            |            |             |             |            |            |            |        |        |
| <b>4</b> | <b>Follow academic and technical best practices throughout the course.</b>   |            |            |            |            |            |             |             |            |            |            |        |        |
| 4a       | Write syntactically correct, functional code.  |            |            |            | +          |            |             |             | /          | +          |            |        |        |
| 4b       | Demonstrate proper separation of concerns.   |            |            |            | +          | +          | +           |             | +          | +          |            | +      |        |
| 4c       | Write code that is easily understood by programmers other than yourself.   |            |            |            | +          | +          | +           |             | /+         | /+         |            | +      |        |
| 4d       | Use available resources and documentation to find required information.  | +          | +          |            | +          | +          | /           | +           |            | +          |            | +      |        |
| 4e       | Use version control effectively.   | +          | +          | +          | +          |            | +           | +           | +          | /          |            | +      |        |
| 4f       | Meet all designated deadlines.   | +          | +          | +          | +          | +          | +           | +           | +          | +          |            | +      |        |

**Pending re-evaluation: HW 0311, 0403 part 1, 0403 part 2**