Sim02 - Grading Rubric and Assessment Form

Student Programmer Code Number: _____

Student Grader Code Number: _____

Grading annotation is **required** where lines are provided

Quality building process – must be easy to read and build

_____ / 5. Program compiles without warnings or errors; makefile is correctly configured so that typing **`make`** will implement the building process; all required code, libraries, etc complete and available

- no more than 2 points credit if unecessary files such as unused library files, program configuration or meta-data files, etc. are included

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_____

_____ / 30. Program source code is easily readable and understandable

≤ 5 pts. Difficult or impossible to read or understand, poor indenting and program structure
≤ 10 pts. Some parts difficult to read or have poor structure, but some program parts are clear
≤ 20 pts. Some parts difficult to read or have poor structure, but overall program process is clear
≤ 30 pts. Program is written and structured clearly, all parts are quickly and easily undersood

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_____

Quality program development – specified items must be easy to identify and understand (no credit for these items if unique threads are not used for each I/O operation)

_____ / 10. Program and code are structured well; functions are appropriately used to support program modularity; appropriate data structures are developed and used

_____
_____
_____

_____ / 10. Correct and clearly understandable development of CPU Scheduling components

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_____
_____

_____ / 5. Program responds elegantly and appropriately to configuration and meta-data input file failures, such as corrupted or missing files

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_____

Correct program code/operation - items must be clearly found in code prior to running program (no credit for these items if unique threads are not used for each I/O operation)

_____ / 10. Correct and appropriate use of system clock to report OS simulation times; each operational time (e.g., processing, I/O, etc.) is reasonably close relative to the given cycle time and msec per cycle data

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_____

_____ / 5. Program runs correctly with 1 Instructor-provided and 4 grader-provided meta-data sets (1 pt each)
- **no credit here** if program does not run (e.g., won't run on ECC/Linux computers, **`make`** file failure, code or code support files missing, etc)

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_____ / 75. Assignment Subtotal ☐ **C language was used exclusively**

☐ **Reasonable attempt at Graduate Requirement/Extra Credit – development of Shortest Remaining Time First (SRTF) operation that is implemented after each process completes (Check Box).**

Instructor grading area below. No student writing under this area
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_____ / 75. Assignment Subtotal, less late submission reduction if appropriate

_____ / 10. Extra Credit Attempt (proportional to Assignment Subtotal)

_____ / 5. Extra Credit for using C language exclusively

_____ / 25. Grader Score

_____ / 100. Total PA Grade