CST 334: Operating Systems

Dr. Bruns

# Homework 10

**Important note:** you must follow the [course honor policy](https://drive.google.com/file/d/1DHMWTbWuZoTzLE5xtm6zpY_1eLB9P68z/view?usp=sharing).

I recommend starting with the pthreads programming problem.

1. **Reading: OSTEP 30 (Condition variables)**. See [instructions](https://docs.google.com/document/d/1H5U7nON_m19p5xKYQQy_5qE-cE6woTetR5BfRJL64b8/edit?usp=sharing).
2. **Reading: Semaphores**. See [instructions](https://docs.google.com/document/d/1Mnzqyno8eDwknl-Xugw2zZ2IEqqBcnEZpqt5IoeBE9g/edit?usp=sharing).
3. **Pthreads programming: readers/writers lock**. See [instructions](https://docs.google.com/document/d/1Pc9eZFZ-Q5z0qTcnTZZ_Z2X7OQIGT8DPwHEF24v6KEg/edit?usp=sharing).
4. **AWK: verify readers/writers lock**. See [instructions](https://docs.google.com/document/d/1-8-PCT1EAUMtDe75chwQSL0rFSgZDBpImPplVJAwR1s/edit?usp=sharing).

**Submitting.** See submission instructions in each homework part. Do not submit a zip file. Please be careful to use correct file names.

**Grading**. The homework is worth 100 points (maximum). The parts of the homework are weighted as follows:

* part 1: 15%
* part 2: 15%
* part 3: 50%
* part 4: 20%