

# UNI CS 3430

## Operating Systems

### Suggested Exercise #6

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1. A helicopter ride has five seats, and it always carries a full load. Use lock(s) and condition variable(s) to write a procedure `PersonArrives()`, which is called whenever a person (thread) arrives. Once the load is full, one person (thread) should call `UpAndAway()` (you don't need to implement `UpAndAway()`), and five threads should return from `PersonArrives()`. There should be no undue waiting: the helicopter should depart as soon as it has a full load. (Hint: Consult the monitors presentation.)
2. What is a kernel module, and how is it different from the kernel?
3. Please list and explain the 2 commands necessary to load and unload kernel modules.