

Assigned on 10/2 - Due on 10/9 in class

CSE760 – Au 2006

Instructor: Lauria

Homework I

Concurrent Processes/Programming (20 pts.)

- 1) In class we have studied a readers priority solution to the readers/writers problem. Implement a writers priority solution to the readers/writers problem using semaphores. Be careful to preserve the property of concurrent access for readers. [10 points]
- 2) Write a monitor to solve the readers-writers problem that works as follows: If readers and writers are both waiting, then it alternates between readers and writers. Otherwise it processes them normally (i.e. readers concurrently and writers serially). [10 points]