

Due in class on Wednesday 19 September 2001

1. (Exercise 1.5(b) from OSC 6th edition, exercise 1.4(b) in 5th edition) In a multiprogramming... Can we ensure...
2. (Exercise 2.10 from OSC 6th and 5th edition) Writing an operating system that can operate...
3. (Exercise 3.12 from OSC 6th edition, not in 5th edition) What is the main advantage of the microkernel approach to system design?
4. Exercise 4.5(a) and 4.5(e) from OSC 6th edition, not in 5th edition) What are the benefits and detriments of each of the following? Consider both the systems and the programmers' levels. (a) direct and indirect communication, (e) fixed-size and variable-sized messages. Explain your answer!
5. (Exercise 5.3 from OSC 6th edition, exercise 4.7 in 5th edition) What are two differences between user-level threads...

My homework assignments are intended to test your knowledge of some of the material presented in my lectures and in the textbook. On these homeworks, I expect clear, well-focused answers to the questions asked, answers that balance brevity and detail. While brevity is desirable, one-sentence "answers", or lists of examples without further explanation, will probably not suffice. While detail and examples are desirable, two-page answers to each question are probably unnecessary. Furthermore, extensive unattributed "quoting" of sentences from the textbook is totally unacceptable — I expect you to answer the question in **your own words** to convince me that you understand the material.