
Voor Nederlands, z.o.z.

Every correctly answered question yields at most 1 point. The final grade is the sum of the grades for the questions. The midterm exam does not count.

1. Timesharing and multiprogramming did not exist before about 1960. What essential hardware facility was missing before that? Why was it needed?
2. Give a short description of what each of the following UNIX system calls do:
 - exec
 - brk
 - pause
 - getuid
 - sync
3. Give a short explanation of the difference between policy and mechanism with respect to CPU scheduling. Give an example.
4. With respect to scheduling, a process can be in one of three states. Make a drawing of these and name every state. Show the valid transitions and explain what each transition means.
5. What is the difference between DMA and programmed input/output?
6. Name three functions of the MINIX clock task.
7. What is an inverted page table. Under what circumstances is it used?
8. Give 5 different names for '/etc/passwd' that all refer to '/etc/passwd'.
9. In Windows, small files can be stored entirely in the Windows equivalent of the i-node. What is the use of doing this?
10. What is a covert channel? Give an example.