WEST VIRGINIA UNIVERSITY AT PARKERSBURG
UNIFORM COURSE SYLLABUS

Name of Course   Operating Systems   Course No. CS 209

Department   Computer Science   Division Technology

I.   Course Objectives

1. Know the general purpose of an operating system.
2. Have an understanding of the main components of an operating system,
    including: process management, memory management and disk management.
3. Be familiar with methods of operating systems security.
4. Have an understanding of the types of data structures and algorithms typically
    used in operating systems.
5. Have knowledge of some of the more popular operating systems used today
    and those expected to be used in the near future.
6. Be familiar with trends which seem to be driving changes in operating
    systems.

II.   Topics to be Studied
How will course objectives be met?

1. Operating Systems Concepts
2. Process Overview
3. Concurrent Processes
4. Concurrent Programming
5. Deadlock
6. Storage in Main Memory
7. Virtual Storage
8. Job Scheduling
9. Disk Management
10. Performance
11. Systems Security
12. Job Control
13. Major Operating Systems
14. (e.g. MVS, VM, MS-DOS, OS/2, UNIX)
15. Future Trends

III.   Special Projects to be Included in Course
        Research papers
        Surveys
        Reports
        Annotated bibliographies
        Other
        None

Uniform Course Syllabus CS 209

IV.   Methods of Student Evaluation
         Tests (how many? how often? what type?)
         Quizzes
         Oral Presentations
         Written Papers
         Laboratory Activities
         Clinical Experiences

         1. 2 semester exams
         2. 1 final exam
         3. Related projects

V.   Assessment of Outcomes
         What measurements will be used to demonstrate that outcomes have
         been reached? (Refers to class as a whole, not individual students.)

         80% of the students who complete the course will be able to
         attain an evaluation of C or better. This evaluation will
         reflect the student's mastery of the course objectives.

VI.   Other Information
         What additional information will help to clarify the course?

6/92

Reviewed 5/5/03