Instructor: Professor Bidyut Gupta
Office: Faner 3044
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Course Objective: To study algorithms arising in the design of computer operating systems and to work out analysis whose goals are proofs of optimality and derivation of performance measures.

Handouts regarding course materials will be given in the class.

Grading: There will be two tests; each will carry 25% of the total points. Third test (according to the University’s final schedule) will carry 30%. One term paper with 20% must be submitted by each student.

Note: These percentages are all tentative. There may be significant changes.

The following grading scale will be strictly observed:

Grade A: $\geq 90$
Grade B: $80 \leq \text{and} < 90$
Grade C: $70 \leq \text{and} < 80$
Grade D: $60 \leq \text{and} < 70$

Tentative Course Outline:

1. Concurrent Processing
2. Processor Scheduling
3. Memory Management
4. Distributed operating systems
5. Fault-Tolerance in Mobile Computing Environment