



# Comparative Operating Systems

## CSE 5434

**Credit Hours:**

3.00

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**Course Levels:**

Undergraduate (1000-5000 level)

Graduate (5000-8000 level)

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**Course Components:**

Lecture

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**Course Description:**

A careful examination of a number of representative computer operating systems.

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**Prerequisites and Co-requisites:**

Prereq: 2431 (660) or 5431.

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**Course Goals / Objectives:**

- Be competent with the concepts of concurrency in hardware and software systems.
  - Be familiar with scaling issues in the context of high-performance computing.
  - Be familiar with scaling issues in the context of data-intensive computing.
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**Course Topics:**

- Fundamentals.
  - Process management.
  - Memory management.
  - Processor scheduling.
  - File management.
  - Performance management. The assembled package.
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**Designation:**

Elective