# Course Outline

**Course Title**: Operating System

**Prerequisite**: Data Structure and Algorithms


**Credit Hours**: 3

**Level**: 4th year

**Course Goals:**
To give the students the main concepts an operating system, I/O programming. Interrupt structure and processing . Memory management Processor management. Job and process scheduling. Process synchronization. Device management. Virtual devices.

**Time Schedule:**
- **Duration**: 16 weeks
- **Lectures**: 3 hours /week
- **Tutorial**: None
- **Laboratories**: None

**Objectives:**
At Completing this module the student should be able to :
1- Understand The Main concepts an operating system
2- Write Some System Programs
3- Deal With Deferent Operating system like Windows XP, linux, Lunix.

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## Mode of Assessment

1- First Exam 20%
2- Second Exam 20%
3- Reports\Homeworks\ and or Projects 10%
4- Final Exam 50%

## References

2- Operating Systems: A design Oriented Approach. Charles Crowley, University of Mexico IRWIN 1997
5- Distributed Operating Systems design and implement Andrews s. Tanenbaum. Prentice Hal, PTR,1994