

## COURSE OUTLINE

Course Code: **OPESYS**  
Course Name: **OPERATING SYSTEMS**

Credit Units: **3.0**  
Pre-Requisites: **4<sup>th</sup> Year Status**

### Course Description:

OPESYS deals with the key concepts and the general principles to the study of operating systems. This course focuses on implementation of various operating systems from their structures, modules, components and development. Students will learn to manipulate the special features of an operating system, configure the OS settings, create batch files and apply maintenance techniques in an operating system. The course consists of lectures and learning activities. Upon completion of this course, the students are expected to create their own batch files, manipulate and maintain an operating system.

### Learning Outcomes:

- Compare and contrast the characteristics and features of various operating systems suited to solve complex problems through evaluation various case studies;
- Implement and simulate basic modules or components of an operating system;
- Participate in developing real-world systems that will suite to the needs of the organization.

Term	Main Topic	Subtopics
PRELIM	<ul style="list-style-type: none"> <li>• Introduction to Operating System</li> </ul>	<ul style="list-style-type: none"> <li>• What Operating Systems Do</li> <li>• Computer System Organization</li> </ul>
PREMIDTERM	<ul style="list-style-type: none"> <li>• Operating System Structures</li> </ul>	<ul style="list-style-type: none"> <li>• Operating System Services</li> <li>• User Operating System Interface</li> </ul>
MIDTERM	<ul style="list-style-type: none"> <li>• Command Interpreters</li> </ul>	<ul style="list-style-type: none"> <li>• Command Line Interface</li> </ul>
PREFINAL	<ul style="list-style-type: none"> <li>• Batch Commands</li> </ul>	<ul style="list-style-type: none"> <li>• Batch Commands Implementation</li> </ul>
FINAL	<ul style="list-style-type: none"> <li>• Storage Management</li> </ul>	<ul style="list-style-type: none"> <li>• Storage Device Management</li> </ul>