

# CSBS:19CB401 LessonPlan2 22-23

- **Prerequisite(s):** Operating System
- **Topic :** OS Services, Interrupt handling and System Calls, Basic architectural concepts of an OS.
- **General Objective (GO):** ): Students will be able to understand the services, interrupt handling, functions of system calls and architecture of OS.
- **Specific Objectives (SO):** (Addresses the detail specification of contents to be taught for the session; Minimum three SOs to be given; CD/KD mapping should be specified in parentheses at the end of each SO )
  - SO1: Illustrate the services provided by the operating system. (U/C)
  - SO2: Differentiate the system call functions provided by an operating system. (U/C)
  - SO3: Illustrate the operating system structure. (U/C)

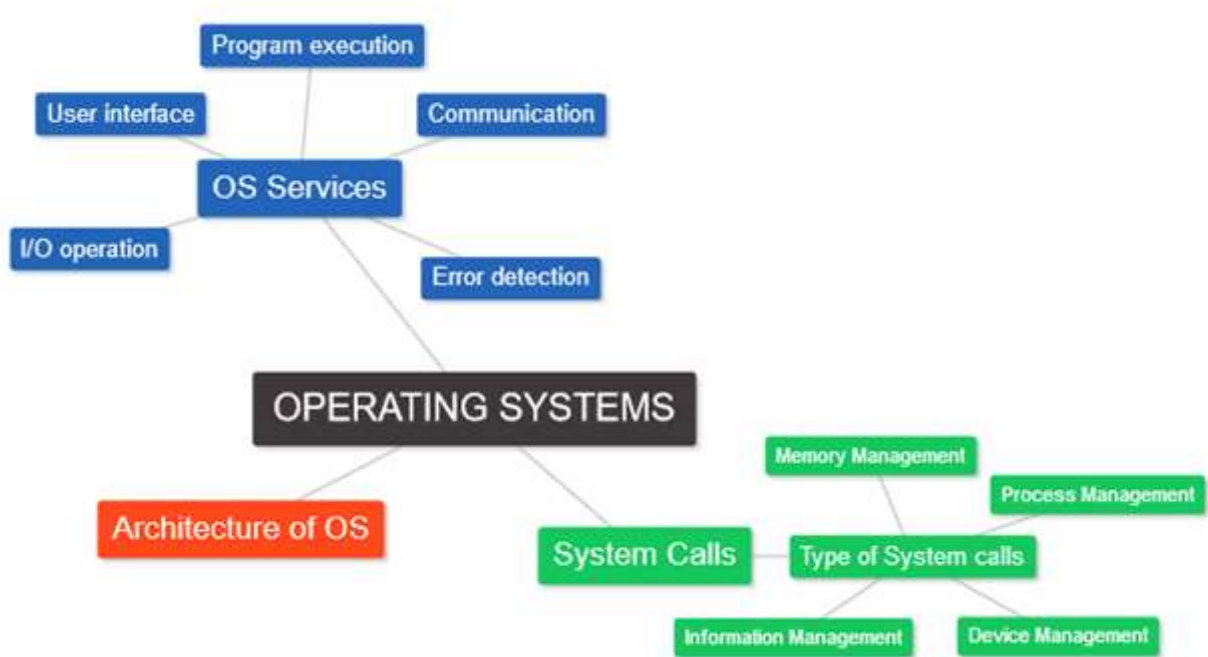
<b>Department</b>	Computer Science and Business Systems
<b>Degree &amp; Semester:</b>	B.TECH & IV
<b>Course code &amp; Title:</b>	19CB401 & Operating Systems
<b>Unit Title:</b>	OPERATING SYSTEMS INTRODUCTION
<b>CO / Lesson No (GO):</b>	1/2

## ■ Mapping Table

(Each SO should be mapped to the specific PO competency and indicators with relevance to the mapping done for the respective course outcome as shown in the table below)

SO	PO	PO/PSO Competency	PO/PSO Indicator
SO1	1,2	1.3	1.3 1.3.1
SO2	1,2,3	1.2,1.3,3.4	1.2.1, 1.3.1, 3.4.2
SO3	1,2,3	1.3, 3.4	1.3.1, 3.4.1

## ■ Mind map and Summary



## Summary

### System calls

System call can be grouped roughly into five major categories:

- Process control
- File manipulation
- Device manipulation
- Information maintenance
- Communication

### System program

They can be divided into these categories:

- File management
- Status information
- File modification
- Programming-language support
- Program loading and execution

### ■ References ( Books/Videos/Journals/Web references)

- Operating System Concepts Essentials. Abraham Silberschatz, Peter Baer Galvin and Greg Gagne.
- [https://www.youtube.com/watch?v=vBURTt97EkA&list=PLBlnK6fEYqRiVhbXDGLXDk\\_OQAeuVcp2O](https://www.youtube.com/watch?v=vBURTt97EkA&list=PLBlnK6fEYqRiVhbXDGLXDk_OQAeuVcp2O)
- Operating Systems: Internals and Design Principles. William Stallings.
- Foundations of Databases. Serge Abiteboul, Richard Hull, VictorVianu.

Retrieved from "[https://wiki.bitsathy.ac.in/w/index.php?title=CSBS:19CB401\\_LessonPlan2\\_22-23&oldid=405874](https://wiki.bitsathy.ac.in/w/index.php?title=CSBS:19CB401_LessonPlan2_22-23&oldid=405874)"

---

**This page was last edited on 17 January 2023, at 12:24.**