

Academic Year: ( 2019 / 2020 )

Review date: 27-01-2020

Department assigned to the subject: Mechanical Engineering Department

Coordinating teacher:

Type: Electives ECTS Credits : 3.0

Year : 4 Semester :

## OBJECTIVES

By the end of this subject, students will be able to have:

1. A systematic understanding of the key aspects and concepts of pneumatics and oleohydraulics.
2. The ability to apply their knowledge and understanding to identify, formulate and solve problems of pneumatics and oleohydraulics using established methods.
3. The ability to apply their knowledge and understanding to develop and realise designs of pneumatics and oleohydraulics to meet defined and specified requirements.
4. The ability to design and conduct appropriate experiments in pneumatics and oleohydraulics, interpret the data and draw conclusions.
5. Workshop and laboratory skills in pneumatics and oleohydraulics.
6. The ability to select and use appropriate equipment, tools and methods to solve problems of pneumatics and oleohydraulics.
7. the ability to combine theory and practice to solve problems of pneumatics and oleohydraulics.