Form (H)
Short course description

Course title: Sequencing and scheduling	Course number and code: OPER 453
Previous course requirement: OR 331	Language of the course: English
Course level: 7	Effective hours: 3 (2 + 2 + 0)

Course description

The course introduces some important algorithms to tackle sequencing and scheduling applications in real life.

Course objectives

This course aims to introduces and study several models and algorithms o Problems which can be built as general job shop or flow shop problems. It also aims to introduce and study Sequenced dynamic Programming models by using the Principle of Optimality.
Having enough training on formulating the various sequencing and scheduling problems and the algorithms for solving such problems
Introducing several real life problems which can be formulated as sequencing and scheduling problems.

Learning outcomes (understanding, knowledge, and intellectual and scientific skills)
After studying this course, the student is expected to be able to:

The students will be able to deal with scheduling and sequencing problems
Modeling scheduling problems
Using different types of algorithms that solve such problems

Textbook adopted and supporting references

Title of the book	Author's name	Publisher's name	Date of publication
Principles of Sequencing and Scheduling	Kenneth R. Baker, Dan Trietsch	Wiley	2009