

Form (H)
Short course description

Course title: Special Applications in Operations research	Course number and code: OR 490
Previous course requirement: OR 331	Language of the course:english
Course level: elective course	Effective hours: 3 (2+2+0)

Course description

Traveling Salesman Problem
Vehicle Routing Problem
Facility Location Problem
Multi-objective Programming

Course objectives

Study some practical Operations research models of real world problems
Study appropriate solutions techniques to solve these models

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

Providing the student with more models of operations research that are applicable to real world problems
Learn the different mathematical tools to solve these models
Ability to build mathematical models of real life problems
Ability to use appropriate mathematical techniques to solve these models
Acquire additional mathematical models of real life systems

Textbook adopted and supporting references

Title of the book	Author's name	Publisher's name	Date of publication
Depends on selected topics			