Objective:
This course is a study of the methods of operations research including model formulation and optimization. Topics cover concepts of operations research modeling, linear programming, sensitivity analysis, transportation model, etc.

Course Contents:
- Introduction and terminology
- Linear programming
- Simplex method
- Sensitivity analysis
- Transportation model
- Network model

The instructor reserves the right to make modifications to this list of contents.

Text:

Location and Time:
Lecture: CRBL C305, Monday, Wednesday, 10:30AM – 11:50AM.

Instructor: Jianmei (Jenny) Zhang, Ph.D.
Office: Room A117 New Engineering Bldg.
Office hours: Tuesday 10:00AM-12:00PM & 4:00PM-6:00PM or by appointment
Phone: 747-5780
Email: jzhang2@utep.edu
Grading Policy:
- 150 points  Homework
- 150 points  Quizzes
- 200 points  Mid-term exam
- 300 points  Final exam
- 150 points  Project
- 50 points  Class participation

A  900 and above
B  800 and above (but less than 900)
C  700 and above (but less than 800)
D  600 and above (but less than 700)
F  Less than 600

Homeworks:
All homeworks are due Friday 5:00PM and will be given about one week to work on. You may drop off the homework in Dr. Jenny Zhang’s office (A117 New Engineering Bldg). Assignments cannot be submitted after the due time.

Quizzes:
A few in-class quizzes will be given in class and might not be announced in advance. No make-up quizzes will be given. However, one quiz with the lowest score will be dropped for every student when calculating the final grade.

Mid-term Exam and Final Exam:
Two exams will be given during the semester. The mid-term exam will cover approximately half of the course and include lecture materials, quizzes and homework assignments. The final exam will be comprehensive, but will stress the materials covered after the first exam. Both exams will be close book and close notes.

No make-up exams will be given except cases with university excused absences. For excused absences, approval must be provided in writing and signed by an advisor, a department head, or a dean. There will be only one makeup exam at the end of semester for any of the two exams, and the makeup exam will be comprehensive.

PROJECT – (WORKING ON TEAM OF 3 OR 4 STUDENTS)

Preliminary Presentation
Each team needs to make a five-minute presentation in class to report what is going to be done in project.
**Final Presentation**
Each team needs to make a fifteen-minute presentation in class to present the results.

**Project Grading Policy:**
10% project preliminary presentation
40% project final presentation
40% project report
10% attendance of the final project presentations

**Extra Credits:**
Active participation in the classroom will get “bonus.”

**Academic Accommodations for Disabled Students:**
Any students with a disability who need an accommodation or other assistance in this course should make an appointment to speak with the instructor as soon as possible.

**Academic Honesty:**
Plagiarism and cheating are serious offenses and any student who does plagiarism and cheating will receive a failing grade for this course.