

SE 471 Professional and Cadastral Surveying

Course Description

The course gives the student a background about the surveying engineering as a profession, the role of the surveying engineer in developing the profession and the land related laws that he ought to know. The student is also introduced to land registration systems and to the techniques of cadastral surveying.

Prerequisite(s):

SE 211 Surveying 1

Textbook(s) and Other Required Materials:

Land Registration and Cadastral Systems, by G. Larsson, Longman Scientific and Technical, UK. 1991

Course Objectives:

The course is designed to give the student a clear idea about how to practice the surveying engineering profession with an emphasis on technical and legal aspects related to boundary surveying and land registration.

Topics Covered:

- Professional surveying: definition, conditions for practicing the profession and role of surveyor in developing the profession
- Property rights and land ownership
- Historical development of registration systems
- Cadastral and land registration systems in Saudi Arabia and in some other countries
- Cadastral surveying
- Area determination
- Land partitioning

Class/laboratory Schedule: Two 50-minutes lectures and 2-hours field work and tutorial each week.

Outcome Assessment: Grades are given to reports based on visits to surveying offices, tutorial problems, midterm and final exams.

Instructor: Prof. Ismat M. El Hassan.