



EGR 222: Surveying II

This course is a continuation of EGR 221 Surveying I. It includes topics such as highway curves, highway construction surveys, municipal street construction surveys, pipelines and tunnels, land surveys, construction quantity measurement and final surveys. A variety of surveying equipment and tools will be utilized in this course. Pre-requisite: EGR 221. Three lecture hours and three laboratory hours per week. Instructional Support Fee applies.

Course Student Learning Outcomes

1. Demonstrate the ability to properly use and care for common surveying equipment. 2. Read and interpret engineering plans and land maps. 3. Accurately and precisely layout and measure angles, curves, distances and elevations in the field. 4. Properly record surveying field notes. 5. Design and layout horizontal and vertical curves. 6. Correctly perform surveying office calculations.

Credits: 4

Program: Engineering