

Forest Engineering - FOEN

Courses

FOEN 3040 FOREST SURVEYING (2) PRA. 2. Basic land surveying concepts and procedures as applied to Forestry. Use of basic surveying instruments and calculations for land areas, boundaries, and topographic features. Summer.

FOEN 4970 SPECIAL TOPICS (1-4) LEC. Departmental approval. Individual or small group study of a specialized area in forest engineering. Fall, Spring, and Summer. Course may be repeated for a maximum of 8 credit hours.

FOEN 5700 HARVESTING (3) LEC. 2. LAB. 3. Pr. FORY 3180. Analysis of the administration of timber harvest, equipment choice, planning methods, movement of timber products, machine and system costs, balancing of harvesting systems, logging safety, and environmental impact.

FOEN 5710 SYSTEMS ANALYSIS FOR FORESTRY AND BIOLOGICAL OPERATIONS (3) LEC. 2. LAB. 3. Pr. BSEN 2210 and (STAT 3010 or STAT 2510). Junior standing or greater. Analysis methods for timber harvesting productivity and costs including gathering of time and production data, preparation of data for analysis and statistical modeling.

FOEN 6230 ENGINEERED WOOD STRUCTURE DESIGN (3) LEC. 2. LAB. 3. Pr. ENGR 2070. Load, deflection criteria; engineering characteristics of wood; designing wood components and mechanical connections; shear walls and diaphragms; trusses; bridges; post-frame construction.

FOEN 6700 HARVESTING (3) LEC. 2. LAB. 3. Pr. FORY 3180. Analysis of the administration of timber harvest, equipment choice, planning methods, movement of timber products, machine and system costs, balancing of harvesting systems, logging safety, and environmental impact.

FOEN 6710 OPERATIONS ANALYSIS IN BIOSYSTEMS AND FORESTRY (3) LEC. 2. LAB. 3. Analysis methods for timber harvesting productivity and costs including gathering of time and production data, preparation of data for analysis and statistical modeling.

FOEN 7970 SPECIAL TOPICS (1-4) LEC. Departmental approval. Individual or small group study of an advanced specialized area in forest engineering. Fall, Spring, and Summer. Course may be repeated for a maximum of 12 credit hours.