

SURV 4420: Remote Sensing

4 Credit Hours

Prerequisite: SURV 3320

This course evaluates remote sensing systems; ground truthing; mapping applications; satellite imagery integration into GIS.

SURV 4422: Geographic Information Systems II

4 Credit Hours

Prerequisite: SURV 3421

Continuation of GIS I; data collection techniques; advanced systems and macro programming.

SURV 4423: Advanced Field Operations

4 Credit Hours

Prerequisite: SURV 3222

Emphasis placed on production surveying; use of codes to develop maps; extensive data collection; computer drafting and plotting.

SURV 4465: Legal Aspects of Land Surveying

4 Credit Hours

Prerequisite: SURV 3222

Cadastral systems; Georgia laws on surveying and property; boundary survey legal research; writing of legal descriptions; evidence evaluation; US Public Land System.

SURV 4470: Land Development Design

3 Credit Hours

Prerequisite: SURV 2221 and SURV 2221L and (CE 4703 or SURV 4465)

This course deals with site analysis, subdivision design, drainage design, sewer design and discusses the legal requirements, platting, and CAD computer methods.

SURV 4475: Land Surveying Practice

3 Credit Hours

Prerequisite: SURV 4465

Legal research, boundary analysis, office procedures and business practice as found in a professional land surveying environment. Special emphasis on title surveys and state of Georgia technical and plat requirements.