

AEN3201SURVEYING AND PHOTOGROMENTRY

Instructor: Mr. Tumutegyereize Peter
Teaching Assistant

Course Type: Core

Course Credits (CU): 3 CU i.e. 45 Contact Hours per semester

Course Duration: 15 weeks (45 hours) i.e. 30 LH, 30 PH

Brief course description

This course introduces students to the art of making measurements of relative positions of natural and man made features on the earth's surface and the presentation of this information either graphically or numerically.

Course Objectives/learning outcomes

By the end of this course students will have acquired skills in surveying and measurements and be able to present the survey information.

Detailed course description

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| 1. Introduction to Geodetic, topographic and cadastral surveying | (4 Hours) |
| 2. Basic elements of surveying instruments | (8 Hours) |
| 3. Distance and angular measurements | (10 Hours) |
| 4. Plane control | (6 Hours) |
| 5. Contouring | (6 Hours) |
| 6. Introduction to cartography | (5 Hours) |
| 7. Location requirements for various farm structures and activities | (6 Hours) |
| 8. Practicals | (30 Hours) |

Mode of delivery: Lectures, tutorials and practicals

Mode of Assessment

1. Course work: assignments and practicals (20%)
2. Quizzes and tests (20%)
3. Final examination (60%)

Recommended Resources

1. Lecture notes
2. The internet and other electronic resources