|  |  |  |
| --- | --- | --- |
|  | **Course:** | **AEC 220** |
|  |  |  |
|  | **Title:** | **Surveying** |
|  |  |  |
|  | **Long Title:** | **Surveying** |
|  |  |  |
|  | **Course Description:** | **The course includes the fundamentals of plane surveying and basic surveying instruments. It emphasizes construction-related aspects of surveying and the development of skills in using surveying field information. Surveying projects are generally covered in coordinated and fieldwork segments.** |
|  |  |  |
|  | **Min Credit:** | **3** |

 STANDARD COMPETENCIES:

1. Apply basic knowledge of surveying theory.
2. Apply basic knowledge of surveying practice.
3. Identify basic mathematical problems.
4. Apply skills in using surveying equipment.
5. Measure surveying distance.
6. Measure turn angles.

 TOPICAL OUTLINE:

1. Surveying theory and practice
2. Mathematical problems in surveying
3. Surveying equipment and distance
4. Measurement of turn angles and elevations