**North South University**

**Department of Electrical and Computer Engineering**

**EEE 154 – Engineering Drawing**

**Fall 2017**

**Course Code:** EEE154

**Course Title:** Engineering Drawing

**Faculty Name:** Mansure Sharmin

**Faculty Initials:** MSN1

**Room:** SAC1044

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**Office hours:** A 9.00 am – 11.00 am, 2.30 pm – 4.30 pm.

**Course Description:**

Lettering, numbering and heading; plane geometry. Projection (Solid Geometry). Development and true shape: cube, pyramid, cone, prism; section and true shape. Isometric drawing, oblique drawing. Plan, elevation and section of engineering structures; reinforcement details of beams, columns, slabs, stairs etc. Introduction to Computer Aided Design (CAD).

**Course Objectives:**

Give the students an appreciation of the complexity involved in the inception, design, Lettering, numbering and heading; plane geometry etc. Students should appreciate what makes quality design and how engineering drawing topics/methods can be effective to deliver such quality products. The course will present theoretical material and create opportunities for students to apply what they learn in class and from other sources.

**Mark Distribution:**

|  |  |  |
| --- | --- | --- |
| **SL#** | **Item** | **Percentage** |
| 1. | Final (1) | 30% |
| 2. | Midterm (1) | 25% |
| 3. | Quiz (Best 1 out of 2) | 5% |
| 4. | Assignment (#4) | 30% |
| 5. | Attendance | 10% |

**Instrument (Student must keep with thyself):**

|  |  |
| --- | --- |
| 01 | A4 Paper |
| 02 | Drawing Board |
| 03 | Set Square / Protractor / Compass |
| 04 | Scale (12’’ inch, should be transparent) |
| 05 | Pencil 0.5 – 0.3 / 2B – HB – 3B |
| 06 | Triangular Scale (Inch Scale) |

## Tentative Lecture Sequence:

|  |  |
| --- | --- |
| **SL #** | **Topic** |
| 1 | Intro A Basic of Engineering Drawing |
| 2 | Development of Geometric Shapes |
| 3 | Isometric Drawing / Orthographic Drawing |
| 4 | Building Drawing Plan |
| 5 | Building Drawing Elevation Section |
| 6 | Building Wiring |
|  | **MID** |
| 7 | AutoCAD Intro |
| 8 | Drawing / Modify Toolbar |
| 9 | 2D Application |
| 10 | Isometric Drawing |
| 11 | 3D Drawing |
|  | **FINAL** |

**Grading policy:**

NSU Grading policy will be followed for this course.

**Course policies:**

● Students are expected to abide by the NSU code of conduct

● Students are expected to join (and regularly follow) the posts made in the appropriate Google Classroom/Facebook/Other online groups

● No makeup quizzes and exams will be taken

● No extension will be given for any assessment item

● Mobile phones are strictly prohibited. Students will be penalized for violating this policy.