**ESSEX COUNTY COLLEGE**

**Course Outline**

**Student Learning Outcomes (SLO) Assessment Summary Sheet**

**Course Prefix & Number**: ENR 100 **Course Title**: Introduction to Engineering Technologies & Science

**Credit Hours**: 3.0 **Contact Hours**: 3.0 **Name of Person Completing this Form**: Alkis Dimopoulos

**Type of Course:** (Check **all** that apply.)

Developmental Not required for any program (not a major or additional requirement)/Other

AA program major requirement AS program major requirement AAS program major requirement

AA program additional requirement AS program additional requirement AAS program additional requirement

General Education affirmed course – if so, indicate the foundation category/ies the course is **affirmed** by GECC as addressing:

Written and Oral Communication Humanistic Perspective

Quantitative Knowledge and Skills Historical Perspective

Scientific Knowledge and Reasoning Global and Cultural Awareness of Diversity

Technological Competency/Information Literacy Ethics

Society and Human Behavior

**Student Learning Outcomes (SLOs)**:

|  |  |  |  |
| --- | --- | --- | --- |
|  | **Detailed Goal (SLO)** | **Assessment Method** | **Introduction (I) or**  **Mastery (M)**  **of SLO** |
| **Course Goals** | List and describe the various branches of engineering and related professions. |  | N/A |
| Discuss the type of work that engineers and other professionals perform and describe the specific writing, speaking, mathematics, computer, engineering design, problem-solving and decision-making skills needed to perform such work. | Blueprint test and exam questions and some homework assignments; assess oral presentations and student performance in in-class workshops; conduct student surveys. |
| Describe requirements of the engineering profession. | Blueprint test and exam questions and some homework assignments; assess video presentations, oral presentations, and student performance in in-class workshops; conduct student surveys. |
| Name, describe and/or use various software packages such as spreadsheets, word processing, engineering design, and programming typically used by engineering and related professionals. |  |
| **Program Goals\***  (if course is a major requirement) | N/A | N/A | N/A |
| **Gen Ed Goals\***  (if course is a Gen Ed course) | N/A | N/A | N/A |

**\*** addressed by **THIS** specific course