Revised System Engineering Courses

SENG 3380 Engineering Statistics, Quality Control, and Forecasting. Three semester hours. (*)

Probability and distribution; statistical methods to monitor and improve product quality and reduce the manufacturing variations. Variable and attribute control charts or statistical process charts. Acceptance sample methods. Process capability indexes. Forecasts based on moving average, exponential smoothing, and regression analysis will be studied. Prerequisite: ENGR 2372.

Justification

The topic “Probability and distribution” is required for this course, because this course is a prerequisite for SENG 4360 where different type of probability distributions are desired to understand the course material. Also the title needs to change as the topic “Quality Control and Forecasting” will be not covered in this course. It goes in SENG 4380 and SENG 3550.
**Other**: Add information: _____ Change information: _____
Attach new/changed information. If in current catalog, provide change and attach page with changes in red.

**Approvals:**

**Chair**
Department Curriculum Committee

**Chair**
Department

**Chair**
College Curriculum Committee

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