ENDG - Engr Design Graphics

Courses

ENDG 105 Engineering Graphics
Credits 2. 1 Lecture Hour. 3 Lab Hours.
(ENGR 1204, 1304) Engineering Graphics. Graphical approach to the engineering design process as applied to products; methods of graphical communications, three-dimensional geometry, working drawings, data analysis, computer graphics, introduction to team dynamics and creative problem solving.

ENDG 407 Computer Design Graphics
Credits 3. 3 Lecture Hours.
Use of microcomputers with currently available CAD software as an aid in the design process and as a means of increasing engineering productivity. Review of ANSI standards and an introduction to a variety of computer graphics applications encountered in industry; user-oriented.
Prerequisite: ENDG 105 or ENGR 112 or equivalent.

ENDG 408 Computer Graphics
Credits 3. 3 Lecture Hours.
Current applications of computer graphics to produce orthographic views and rendered pictorials; introduction to several computer graphics software packages including applications in 3-D, parametric solid modeling, animation and rapid prototyping.
Prerequisite: ENDG 105 or ENDG 407 or ENGR 112.

ENDG 409 Professional Computer Animation
Credits 3. 3 Lecture Hours.
Advanced studies in computer graphics with an emphasis on the intricacies of graphical design and how it applies to a cohesive project design.
Prerequisites: ENDG 407 and 408; junior or senior classification.

ENDG 485 Directed Studies
Credits 1 to 3. 1 to 3 Other Hours.
Special problems in engineering design graphics to fit needs of individual students.
Prerequisite: Approval of instructor.

ENDG 489 Special Topics in...
Credits 1 to 4. 1 to 4 Lecture Hours.
Selected topics in an identified field of engineering design graphics.
Prerequisite: Approval of instructor.