

Sustainable Energy Systems Eng (ESEN)

ESEN 6303 Adv T: Sustainable Energy Syst **3 SCH (3-0)**

One or more advanced topics. May be repeated when topic changes.

ESEN 6306 Proposal/Dissertation **1-9 SCH (0-0-1-9)**

Proposal. The abstract and signature page of the proposal should be filed with the Office of Graduate Studies upon successful defense by the student and approval of the document by the dissertation committee. Dissertation Defense. Student must successfully defend a dissertation. A quorum of the members of the dissertation committee is required for the defense. The Graduate Council Representative must be in attendance for the defense. Dissertation. A candidate must complete a dissertation which is acceptable to the student's advisory committee and the Dean of the Graduate Studies. To be acceptable, the dissertation must give evidence that the candidate has pursued a program of research, the result of which reveals superior academic competence and a significant contribution to knowledge.

ESEN 6333 Advanced Wind Farm Design **3 SCH (3-0)**

Advanced knowledge of wind farm design, development, and operation, including wind power estimation, wake flow effect, wind turbine selection, location selection, and layout optimization.