

# ESSM ECOSYSTEM SCIENCE & MGMT (ESSM)

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## ESSM 281 Seminar in Ecosystem Science and Management

**Credit 1. 1 Other Hour.** Writing intensive, focused on writing and formatting technical documents relevant to ecosystem sciences and management; includes memos, short synthesis papers and one longer review paper. **Prerequisites:** RENR, FORS, RLEM, ECOR and SPSA majors only.

## ESSM 306 Plant Functional Ecology and Adaptation

**Credits 3. 3 Lecture Hours.** Investigation of physiological mechanisms influencing ecological patterns and processes, including plant acclimation and adaptation in contrasting habitats; abiotic controls on species productivity and distribution; underlying genetic and evolutionary mechanisms contributing to the occurrence of specific genotypes and phenotypes in unique environments. **Prerequisites:** RENR 205, any BIOL course, junior or senior classification or approval of instructor.