A. Course Description

Credits: 3

Lab Hours/Weeks: Corequisites: None

Lecture Hours/Week:

MnTC Goals: None

Advanced course in forest ecology with applications to the classification, assessment, maintenance and certification of forest health, and a focus on sustainable and responsible forest management. Students learn and apply techniques in forest monitoring and taxonomic methods used in dendrology.

B. Course Effective Dates: 05/03/2017 - Present

C. Outline of Major Content Areas:

See Course Description for major content areas.

D. Learning Outcomes (General)

1. Understand and apply core theories and current research in forest ecology
2. Understand and apply methods of forest assessment, monitoring and certification that are used by local, regional and state agencies
3. Conduct botanical assessment of forests using methods of dendrology and forest mensuration
4. Analyze and evaluate forest botanical communities using methods of biological assessment
5. Understand government structures and legislation with roles in forest management and certification
6. Effectively communicate technical information between and among experts and public

E. Learning Outcomes (MN Transfer Curriculum)

This contains no goal areas.

G. Special Information

Note: This honors course is open to students who have met the criteria and been granted honors biology status, a process administered by the Natural Sciences Department. All prerequisites must be completed with grade of B or above. Contact instructor or department chair for permission.