**Soil Fertility – 440**  
(3 credits) Classroom 138A Foran Hall  
September to December 2013

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Course Objectives: 1) Introduce students to Soils and Soil Fertility 2) Teach the function of each essential plant nutrient in crops and soils 3) To examine current issues in soil fertility and nutrient management in an ecological context 4) To teach how each nutrient cycles through the soils, plant, animal, and atmosphere 5) Teach how to read a soil test report, develop appropriate soil fertility recommendations, and manage nutrients


Field Trips: Attendance on field trips is required. You are encouraged to take notes to be used to write field trip reports. Field trip to Rutgers University Soil Test Lab scheduled for Oct.

Course Attendance: Attendance at every class period is required. Missed class time will be reflected in final course grade.

Homework and writing assignments: Homework, and field trip reports must be typed on 8.5 x 11 white paper. Written homework assignments are due on the assigned date. Homework may not be turned in by email to instructor, no exceptions.

Course Policies and Procedures: Notify instructor if you have any special learning needs. Participation in classroom discussion is welcome and encouraged. The course outline and syllabus may be modified if there are extenuating circumstances.

Academic Integrity: Any documented incident involving academic dishonesty on exams or papers will result in a failing grade for the course and possible dismissal from the university.

Grading:  
Quizzes (7 quizzes, 10 points each) = 70 points  
Class attendance (7)/participation/discussion (3) = 10 points  
Homework is typically short (maximum of one typed page or 300 words) written summaries from directed readings, guest lectures, field trips etc. = cumulative of 10 points.  
Final Exam (cumulative) = 10 points  
Total = 100 points

Final grades:  
A = 90-100 pts  
B = 80-89 pts  
C = 70-79 pts  
D = 60-69 pts