Urban Soils and Ecosystem Services: Assessment and Restoration  
ENR 5279 Course Syllabus  
Autumn 2017

INSTRUCTORS  
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School of Environment and Natural Resources

TEACHING ASSISTANT  
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TIME AND PLACE:  
Class: W 3:00 to 5:00, Kottman Hall (KH) room 116  
Lab: M 1:50 to 4:50, Kottman Hall (KH), meet in room 116

CREDIT HRS: 3 (two 1-hr class; one 2-hr lab).

COURSE DESCRIPTION:  
3 semester hrs (one 2-hr class; one 3-hr lab). A comprehensive study focused on assessment and restoration of urban soil to provide essential ecosystem services. Urban soil laboratory provides hands-on experience with soil assessment and restoration.

COURSE OBJECTIVES:  
The aim of the proposed class is to provide knowledge to assess and restore the ability of urban soil to provide essential ecosystem services. Topics covered will include (i) assessment of environmental contaminants, physical, chemical, and biological properties and (ii) the use of pragmatic methods to restore and/or remediate soils. Develop a working knowledge of field and laboratory soil assessment methods required by professionals to (i) conduct field soil investigation, (ii) collect and preserve field soil/water samples, (iii) request soil analyses, (iv) perform laboratory analyses, (v) interpret analytical results, and (vi) summarize findings and recommendations in a professional report.

CLASS MATERIALS:  
Class notes and materials will be available on CANVAS (CARMEN).

GRADING  
4 periodic reports @ 10 to 20% per report totaling 70% of grade (15% technical content, 5% written content per report). Overall recommendation and management report, 30% of grade. Students will be required to also edit each report per teacher instructions. Points awarded for edits will be included in each report grade.

Grading:  
A 90-100; B 80-89; C 70-79; D 60-69; E < 60. Plus/minus grading applied to the following overlap ranges (88-92; 78-82; 68-72; 58-62).

LABORATORY ATTENDANCE IS MANDATORY. THREE OR MORE UNEXCUSED ABSENCES WILL RESULT IN A FAILING GRADE

ACADEMIC MISCONDUCT STATEMENT  
Academic misconduct as defined by the university (Faculty Rule 3335-31-02) will not be tolerated. Students guilty of plagiarism of laboratory reports will be assigned a grade of E.

DISABILITY STATEMENT  
Students with disabilities who need accommodations should see Dr. Basta or Dr. Slater during office or contact them by telephone (614-292-6282) or e-mail (basta.4@osu.edu) to make arrangements. Special needs must be discussed and arrangements made well in advance (preferably before the first week of class) of when arrangements to accommodate specific needs are required. Special accommodations may be arranged through the OSU Office of Disability Service, 098 Baker Hall, 113 W. 12th Ave.; Ph: 614-292-3307, http://www.ods.ohio-state.edu/