SANR425/NRE4425 Fundamentals of Urban and Community Forestry
Spring Semester 2020
Lecture: **Two 75-minute lecture periods**
          3:30-4:45pm Tuesday and Thursday

Instructor:
Adjunct, TBD

Contact Info:

Course Description
The theory, science and practice of evaluating and managing urban trees and forest resources.
Upon completion of the course, students will be able to:
1) Express an understanding of the continua of urban forests and socio-ecological conditions that affect their sustainability.
2) Recognize factors associated with urban tree health, survival and growth and develop management recommendations based on these factors.
3) Exhibit an understanding of the benefits associated with urban tree and forest resources and strategies for quantifying and communicating these benefits to different stakeholder audiences.
4) Demonstrate competency in the use of methods for urban forest assessment and evaluation and strategies for disseminating these results.

Text Books
"Urban Forestry Planning and Managing Urban Greenspaces" (Third Edition) – Miller, Hauer, Werner.

Course Grading
- Exam, 1/3Term (25% of grade). This exam will include all lecture material to that point. (1st third assessment)
- Exam, 2/3 Term (25% of grade). Exam will include all lecture material from the second third of the semester. (2nd third assessment)
- Final Exam, comprehensive. (25% of grade)
- Independent Project (10% of grade)
- Homework and quizzes (15% of grade)

Homework
- Homework will include assigned readings and short written assignments. One independent project will be assigned

Grading scale

Percentage	Grade
93.6 – 100	A
90.0 – 93.5	A-
86.6 – 89.9	B+
83.4 – 86.5	B
80.0 – 83.3	B-
76.8 – 79.9	C+
73.4 – 76.7	C
70.0 – 73.3	C-
66.8 – 69.9	D+
63.4 – 66.7	D
60.0 – 63.3	D-
< 60.0	F

This numerical breakdown will be used to assign final grades

Tentative Course Calendar - SANR 425 Fundamentals of Urban and Community Forestry

Urban and Community Forestry	
Introducing, defining and describing the urban forest	
Week 1	Introduction; Historical context of urban forestry; Tree benefits; Management concepts
Week 2	Urban forest typology – streets to natural areas; The extent of the urban forest
Week 3	Urban forest socio-ecological-economic systems; Identifying responsibility; Public vs. private trees
Ecology and management of urban forests	
Week 4	Ecological basis for urban tree selection; Arboricultural issues and tree requirements
Week 5	Tree planting; Urban tree survival, longevity, and growth; Pests and diseases in urban forests
Week 6	Urban sites and trees/Land use and urban forests; Managing green infrastructure
Week 7	Disturbance in urban forests: Utilities, transportation infrastructure, local government roles, preparation and response.
Week 8	Urban forests and public health/human health; The "public as client" concept and public service parameters
Week 9	Urban forest inequities and social justice

Quantifying the urban forest	
Week 10	Tree inventory systems and Urban FIA (iTree, etc.)
Week 11	Urban Tree Canopy assessments and geospatial technologies
Week 12	Urban forest benefit and cost assessment
Week 13	Climate adaptation and the urban forest future
Management planning	
Week 14	Urban forest management plan – elements, justification, importance
Week 15	Urban forest adaptive management concepts

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http://provost.uconn.edu/syllabi-references