PUB 159: URBAN FOREST MANAGEMENT PLANNING

Citrus College Course Outline of Record

Heading	Value
Effective Term:	Fall 2021
Credits:	3
Total Contact Hours:	54
Lecture Hours :	54
Lab Hours:	0
Hours Arranged:	0
Outside of Class Hours:	108
Strongly Recommended:	Successful completion of Student Learning Outcomes from one or more Public Works classes.
Transferable to CSU:	Yes
Transferable to UC:	No
Grading Method:	Standard Letter, Pass/No Pass

Catalog Course Description

This course will guide students in developing an urban forest management plan. It is intended for those who manage populations of trees: municipalities, golf courses, educational institutions, public gardens, and property managers. Plans will be based on interdisciplinary activities that influence and are related to urban forest activities. Students will create a ready-to-use management plan and receive peer review. 54 lecture hours.

Course Objectives

- Demonstrate the basic concepts of managing the urban forest.
- Develop a written Urban Forest Management Plan.
- Conduct research through appropriate and current urban forestry resources
- Describe public policy relevant to urban forests
- Create a budget which leverages partnerships and alternate resources in order to support an urban forest management plan.
- Make formal presentations on the urban forest management plan
- Calculate the number of trees required in a region, given relevant environmental impact factors, to mitigate air pollution to an acceptable level.
- Describe the impact of urban forests on healthy sustainable communities
- Compare and contrast practical implementation plans, and evaluate the needs of the community vis a vis the organization's needs and best management practices.
- Demonstrate the ability to use tree inventories and web-based search engines to gather the information needed to develop an Urban Forest Management Plan.

Major Course Content

1. Introduction to the process for developing an Urban Forest Management Plan
2. Elements of a plan / Basic management concepts
3. Evaluation of current resources, i.e. current management practices, tree demographics, etc.
4. Establishing goals and strategies
5. Understanding public policy
6. Development of plans to achieve goals and implement strategies
7. Creating a budget for the urban forest management plan
8. Compiling documents into a draft plan
9. Reviewing and monitoring a program
10. Peer review of draft plan
11. Submittal and presentation of final plan

Suggested Reading Other Than Required Textbook

BIBLIOGRAPHY Arboriculture Agrios, George N. (1997) Plant Pathology, Fourth Edition Harcourt / Academic Press New York NY 10022 ISBN: 0120445646 Barrett, John W., (1980) Regional Silviculture of the United States Wiley-Interscience, New York NY ISBN: 0471056456 Brady, Nyle C., (1990) The Nature and Properties of Soils Macmillian Publishing, New York NY 10022 ISBN: 0023133619 Dirr, Michael A. (1998) Manual of Woody Landscape Plants: Their Identification, Ornamental Characteristics, Culture, Propagation and Uses Stipes Publishing Company ISBN: 0875637957 Dreistadt, Steve H. (2004), Pests of Landscape Trees and Shrubs, An Integrated Pest Management Guide University of California, IPM Education and Publication, Oakland CA 94612 ISBN: 1879906619 Grey, Gene W. (1995) The Urban Forest: Comprehensive Management John Wiley and Sons, San Francisco CA 94103 ISBN: 0471122750 Georghiou, George P. and Tetsuo Saito, (1983) Pest Resistance to Pesticides Plenum Press New York, NY10013 ISBN: 0306412462

Examples of Required Writing Assignments

After reading and understanding who is a stakeholder in an urban forest management plan and the need for stakeholder buy-in, students will make a list of potential stakeholders and write out a strategic plan for buy-in.

Examples of Outside Assignments

Students will visit a municipality, golf course, educational institution, or public garden where they have chosen to develop an urban forest management plan. They will explore the vision for the urban forest by looking into the history, environment, trees, management, and attitudes of the community and documenting and presenting their findings.

Instruction Type(s)

Lecture, Online Education Lecture