Enrollment Management
10/15

SPRINGFIELD TECHNICAL COMMUNITY COLLEGE

ACADEMIC AFFAIRS

Course Number: LAN 200/200L Class/Lect. Hours: 2 Lab Hours: 3 Credits: 3 Dept.: Landscape Design and Management

Course Title: Sustainable Landscape Practices (formerly Landscape Practices) Semester: Fall Year: 2016 or 2017

Course Description, Prerequisite, Corequisite:
A course dealing with the newest technologies and current "Best Practices" for managing, installing and maintaining sustainable landscapes. Topics covered will include tree evaluation, pruing, site evaluation and plant selection, fertilization, construction protection, planting and maintenance of landscapes. Students will also be exposed to interpretation and varied uses of landscape plans. **Prerequisite:** none **Corequisite:** LAN 200L

OBJECTIVES/COMPETENCIES

Course Objectives	Competencies
1. To expand student awareness of sustainable landscaping and current "Best Management Practices" (BMP)	1. Students will demonstrate understanding of sustainable landscaping and BMP's from reading assignments, labs and classroom discussions.
2. To learn the characteristics of tree and shrub growth and growing conditions	1. Students will demonstrate understanding of woody plant growth from reading assignments and classroom discussions 2. Students will perform site analysis and recommend plant materials based on analysis results

Course Objectives	Competencies
3. To evaluate and analyze trees for hazard conditions, defects and value	1. Students will complete an evaluation of campus trees 2. Students will complete the calculation of the value of a campus tree
4. To perform site analysis and identify issues involving urban soils and tree planting	1. Students will perform site analysis 2. Students will discuss and consider technological solutions regarding tree planting in urban soils
5. To learn professional tree and shrub planting methods	1. Students will identify current BMP's for planting various types of nursery stock. 2. Students will install landscape plants
6. To develop understanding of the principles of woody plant fertilization	1. Students will demonstrate understanding of various methods of fertilization 2. Students will calculate fertilizer needed for a site 3. Students will apply fertilizer to campus landscape area
7. To develop pruning skills	1. Students will describe proceedures used in tree or shrub pruing 2. Students will identify tools used in pruning 3. Students will prune landscape plants