PS 450  
SPECIALTY LANDSCAPE CONSTRUCTION

COURSE DESCRIPTION:  
Methods of design, materials, and construction techniques for specialized components used in the landscape industry: Water Features, Irrigation, Lighting

INSTRUCTOR: Curtis E. Stewart, RLA  
MLA University of Georgia  
BS-OHLD University of Tennessee

OFFICE: Room 104 Plant Biotechnology Annex  
PHONE: 974.7324 or 974.1606  
TEXT and REFERENCES:  
* Creating Water Gardens by Ortho Books  
* Simplified Irrigation Design by Pete Melby

Other handouts, etc. as provided by the instructor

MATERIALS: Basic drawing equipment (compass, scales, etc,) and calculator will be needed. A three-ring notebook will be extremely helpful.

COURSE OBJECTIVES:  
1. To develop basic competency in design, specification and detailing of specialized landscape components.  
2. To develop an understanding of and appreciation for the physical function, aesthetics, structural soundness, life span and designed-in maintenance requirements of specialized landscape components. 
3. To acquire a basic understanding of hydraulics, electronics and other physical forces related to the design and construction of specialized landscape components.  
4. To relate and illustrate industry examples where specialized landscape components play an important role.

COURSE OUTLINE:

I Introduction  
A. Overview of specialized landscape components  
B. Significant Trends

II Water Features  
A
III Landscape Irrigation

IV Landscape Lighting

COURSE FORMAT:

Course will be structured as 2 two-hour lectures each week. Material specifications and design concepts will be presented to enable students to assimilate information, gain instruction and confidence necessary to pursue related career goals. Some hands-on experience and product demonstrations will also be incorporated. Industry professionals and representatives will be invited to lecture as time and scheduling permit. Additionally, one or two off-campus site visits may also be incorporated into the semester.

TESTING:

One exam will be given covering each of the three major units of study. Three quizzes will be given during the Irrigation unit and one during the Lighting unit. Breakdown of grade scoring will be as follows:

- Water Feature exam .................................................. 100 pts
- Irrigation exam ....................................................... 150 pts
- Irrigation quizzes (3 x 50 pts/ea) ........................... 150 pts
- Lighting exam ......................................................... 150 pts
- Lighting quiz ......................................................... 50 pts

Total possible points ................................. 600 pts

GRADING:

540 - 600  A
516 - 539  B+
480 - 515  B
456 - 479  C+
420 - 455  C
390 - 419  D
< 390  F

ATTENDANCE:  On time attendance is expected for each class as role will be taken. Unexcused absences and lateness will be reflected in final grade.