

## Smartscape SPRING 2012

Classes are held every Tuesday and Thursday for nine consecutive sessions from 3:30 - 6:00 p.m. *The first class will start at 3:00 p.m. for orientation.*

Participants must register and attend all sessions to receive a Certificate of Completion. Registration is on a first come, first serve basis with preference given to Green Industry personnel in the Tucson Water Service Area. **Please call the SmartScape Program at the Pima County Cooperative Extension office at 626-5161 for further information.**

<b>Date</b>	<b>Class Title</b>	<b>Class Description</b>
<b>January 10</b>	Orientation* (3:00 PM)	
<b>January 10</b>	Soils, Plants & Water	This class is basic to understanding the dynamic relationships of soils, plants, and water and is the foundation course of the Smartscape Professional Series. Instruction focuses on soil texture and structure and how it affects water movement, infiltration rates and water holding capacity. Mechanisms that plants use to regulate water use are also discussed.
<b>January 12</b>	Desert – Adapted Plants	This class identifies many of Tucson's common desert landscape plants and provides basic discussion of their traits that make them suitable for the urban and suburban landscape. Specific characteristics such as flower color, seasonality, size, and hardiness, as well as maintenance specifications and other considerations are also presented.
<b>January 17</b>	Automated Irrigation Systems	This class discusses various common irrigation systems and focuses on designing, installing, and program scheduling a drip irrigation system. Maintenance and troubleshooting are also discussed.
<b>January 19</b>	Landscape Water Management	This class focuses on reducing water waste through efficient irrigation. Participants learn about irrigation scheduling, irrigation techniques and proper cultural practices and reiterates factors taught throughout the series that influence plant water use in landscape.
<b>January 24</b>	Landscape Design & Renovation	This class focuses on the principles and concepts of designing and installing a landscape. Special attention is given to Xeriscape landscaping and renovating an existing landscape from high-water use to low-water use. Participants also learn how to interpret a landscape design blueprint.
<b>January 26</b>	Plant Selection & Installation	This workshop focuses on factors that should be considered when selecting plants and planting landscape plants. Participants will learn how to choose healthy plants from a nursery and how to correctly install the new plants.
<b>January 31</b>	Plant Disorders & Weeds	Participants will learn about some of the important disease organisms that affect landscape plants. Integrated Pest Management and cultural controls will be discussed. Participants will also learn how to control common landscape weeds.
<b>February 2</b>	Maintaining Desert – Adapted Plants	This workshop divides desert-plant maintenance into two categories - pruning and fertilizing. All pruning instruction is based on International Society of Arboriculture guidelines and uses pictorial slides and actual samples to illustrate the speaker's main points. The fertilizing portion of the workshop focuses on plant needs for macro- and micronutrients, determining correct fertilizers to use and calculating the appropriate quantities of fertilizers to purchase and apply.
<b>February 7</b>	Integrated Pest Management	Participants will learn about some of the important insects that affect landscape plants. Integrated Pest Management and cultural controls will be discussed.

## Smartscape FALL 2012

Classes are held every Tuesday and Thursday for nine consecutive sessions from 3:30 - 6:00 p.m. *The first class will start at 3:00 p.m. for orientation.*

Participants must register and attend all sessions to receive a Certificate of Completion. Registration is on a first come, first serve basis with preference given to Green Industry personnel in the Tucson Water Service Area. **Please call the SmartScape Program at the Pima County Cooperative Extension office at 626-5161 for further information.**

<b>Date</b>	<b>Class Title</b>	<b>Class Description</b>
<b>August 7</b>	Orientation* (3:00 PM)	
<b>August 7</b>	Soils, Plants & Water	This class is basic to understanding the dynamic relationships of soils, plants, and water and is the foundation course of the Smartscape Professional Series. Instruction focuses on soil texture and structure and how it affects water movement, infiltration rates and water holding capacity. Mechanisms that plants use to regulate water use are also discussed.
<b>August 9</b>	Desert – Adapted Plants	This class identifies many of Tucson's common desert landscape plants and provides basic discussion of their traits that make them suitable for the urban and suburban landscape. Specific characteristics such as flower color, seasonality, size, and hardiness, as well as maintenance specifications and other considerations are also presented.
<b>August 14</b>	Automated Irrigation Systems	This class discusses various common irrigation systems and focuses on designing, installing, and program scheduling a drip irrigation system. Maintenance and troubleshooting are also discussed.
<b>August 16</b>	Landscape Water Management	This class focuses on reducing water waste through efficient irrigation. Participants learn about irrigation scheduling, irrigation techniques and proper cultural practices and reiterates factors taught throughout the series that influence plant water use in landscape.
<b>August 21</b>	Landscape Design & Renovation	This class focuses on the principles and concepts of designing and installing a landscape. Special attention is given to Xeriscape landscaping and renovating an existing landscape from high-water use to low-water use. Participants also learn how to interpret a landscape design blueprint.
<b>August 23</b>	Plant Selection & Installation	This workshop focuses on factors that should be considered when selecting plants and planting landscape plants. Participants will learn how to choose healthy plants from a nursery and how to correctly install the new plants.
<b>August 28</b>	Plant Disorders	Participants will learn about some of the important disease organisms that affect landscape plants. Integrated Pest Management and cultural controls will be discussed.
<b>August 30</b>	Maintaining Desert – Adapted Plants	This workshop divides desert-plant maintenance into two categories - pruning and fertilizing. All pruning instruction is based on International Society of Arboriculture guidelines and uses pictorial slides and actual samples to illustrate the speaker's main points. The fertilizing portion of the workshop focuses on plant needs for macro- and micronutrients, determining correct fertilizers to use and calculating the appropriate quantities of fertilizers to purchase and apply.
<b>September 4</b>	Integrated Pest Management	Participants will learn about some of the important insects that affect landscape plants. Integrated Pest Management and cultural controls will be discussed. Participants will also learn how to control common landscape weeds.