

CORE CURRICULUM COMPONENT APPLICATION

CORE COMPONENT AREA	Life and Physical Sciences
COURSE TYPE	New Core Request
DEPARTMENT	Agriculture
COURSE RUBRIC & NUMBER	AGRI 1415
COURSE NAME	Horticulture
CATALOG DESCRIPTION	This course familiarizes the student with fields of horticulture and the place of horticulture in the American Agriculture system. Students will be required to evaluate and interpret information as it pertains to the study of the structure, growth and development of horticulture plants. Reasoning skills will be used in decisions concerning control of environment and plant growth with consideration of biological competition and progressive improvements of crops. Principles of propagation, green house production of horticultural crops, pruning, pest control and landscaping are included. (ICOs 1,2,3,4,6)
NUMBER OF SECTIONS OFFERED/FALL	
NUMBER OF SECTIONS OFFERED/SPRING	1
EXTIMATED ANNUAL ENROLLMENT	10
COURSE LEVEL	Freshman
CONTACT PERSON (dept. representative)	R. Mikel Lemons DM
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PHONE	432-335-6335
DEPARTMENT APPROVAL STATUS	Pending - Date Click here to enter a date.
CORE COMMITTEE COMMENTS (REQUEST FOR ADDITIONAL INFORMATION)	
CORE COMMITTEE APPROVAL STATUS	Select One - Date Click here to enter a date.

Best practices and accreditation guidelines generally place the faculty in a position of responsibility for curricular decisions.

Indicate below how each learning objective will be supported, what strategies or activities will be used to introduce each objective and how student learning will be assessed.

***NOTE: Component Area Option –**

- A. A minimum of 3 SCH must meet the definition and corresponding Core Objectives specified in one of the foundational component areas
- B. As an option for up to 3 semester credit hours of the Component Area Option, an institution may select course(s) that:
 - i. Meet(s) the definition specified for one or more of the foundational component areas; and
 - ii. Include(s) a minimum of three Core Objectives, including Critical Thinking Skills, Communication Skills, and one of the remaining Core Objectives of the institution's choice.

#	THECB CORE OBJECTIVE "ICO"	PROGRAM GOALS/OUTCOMES	COURSE LEARNING OUTCOMES	KEY IDENTIFIERS	LEARNING EXPERIENCE	ASSESSMENT
1	<p>Critical Thinking Skills - to include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information.</p> <p><i>Must be addressed in all core curriculum courses</i></p>	For Students to learn and understand terms and concepts used in horticulture	For students to be competent in the development and management of horticulture plants and scenery in our society for the production of plants for food and aesthetic value	Distinguishing between the different types of plants needed in a landscape for natural airconditioning, food production and aesthetic values for future enjoyment	Student will learn to select different varieties of plants and hardscape materials for different environments and limited resources	This core objective will be assessed by an interdepartmental assessment committee using the Critical Thinking rubric
2	<p>Communication Skills - to include effective development, interpretation and expression of ideas through written, oral and visual communication.</p> <p><i>Must be addressed in all core</i></p>	For students to be able to write and discuss technical laboratory reports about concepts used in horticulture	Students will be able to write and discuss horticulture plans and concepts with other members of the class	Students will discuss and argue their reasons to use different species of landscape plants and hardscape materials	Students will learn to discuss and argue their specific plan for a specific landscape design	This core objective will be assessed by an interdepartmental assessment committee using the Communication rubric

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	<i>curriculum courses</i>					
3	<p>Empirical and Quantitative Skills - to include the manipulation and analysis of numerical data or observable facts resulting in informed conclusions</p> <p><i>Must be addressed in all Mathematic, Life and Physical Sciences, AND Social & Behavioral Sciences component area core curriculum courses. Optional for all other component areas.</i></p>	For students to be able to show skills in developing horticulture computer models of landscapes as they progress in time and be able to analyze the future success or failure of the different designs	Students will be able to demonstrate competence in developing a landscape designs considering the size of the area, the future growth of the plant species for a particular environment	Student will distinguish between immature plant and tree size and mature landscape for food production and aesthetic values	Students will learn to analyze different landscape design plans and be able to distinguish between plant growth and mature size	This core objective will be assessed by an interdepartmental assessment committee using the Empirical and Quantitative Skills rubric
4	<p>Teamwork - to include the ability to consider different points of view and to work effectively with others to support a shared purpose or goal.</p> <p><i>Must be addressed in all Communication, Life & Physical Sciences, and Creative Arts component area core curriculum courses. Optional for all other component areas.</i></p>	For students to be able to work in group projects on landscape ideas and projects	For students to be able to work in teams to develop landscapes using different species and cultivars for the specific environments	Students will discuss and argue their reasons for wanting to use different species in a group landscape design	Students will work and develop as a team	This core objective will be assessed by an interdepartmental assessment committee using the Teamwork rubric
5	<p>Social Responsibility: to include intercultural competence, knowledge</p>	For students to be able to understand the different environments that	For students to be able to develop horticultural scenery for public and cultural	Making decisions about public projects for better aesthetic enjoyment	Students will develop a landscape design for a public place	This core objective will be assessed by an interdepartmental

	<p>of civic responsibility, and the ability to engage effectively in regional, national, and global communities</p> <p><i>Must be addressed in all Language, Philosophy & Culture, Creative Arts, American History and Government/Political Science, and Social & Behavioral Sciences component area core curriculum courses. Optional for all other component areas.</i></p>	<p>they may be faced with and scientifically develop landscapes and plant cultivars for their specific environment</p>	<p>enjoyment of society in the specific locations</p>			<p>assessment committee using the Social responsibility rubric</p>
6	<p>Personal Responsibility - to include the ability to connect choices, actions and consequences to ethical decision-making.</p> <p><i>Must be addressed in all Communication, Language, Philosophy & Culture, American History and Government/Political Science component area core curriculum courses. Optional for all other component areas.</i></p>					
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Critical Thinking Skills

To include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information.

Must be addressed in all core courses

Communication Skills

To include effective development, interpretation and expression of ideas through written, oral and visual communication.

Must be addressed in all core courses

Empirical and Quantitative Skills

To include the manipulation and analysis of numerical data or observable facts resulting in informed conclusions.

Must be addressed in all core courses that satisfy the following requirements:

- Mathematics
- Life and Physical Sciences
- Social and Behavioral Sciences
- Some Component Area Options

Teamwork

To include the ability to consider different points of view and to work effectively with others to support a shared purpose or goal.

Must be addressed in all core courses that satisfy the following requirements:

- Communication
- Life and Physical Sciences
- Creative Arts
- Some Component Area Options

Social Responsibility

To include intercultural competence, knowledge of civic responsibility, and the ability to engage effectively in regional, national and global communities.

Must be addressed in all core courses that satisfy the following requirements:

- Language, Philosophy and Culture
- Creative Arts
- American History
- Government/Political Science
- Social and Behavioral Sciences
- Some Component Area Options

Personal Responsibility

To include the ability to connect choices, actions and consequences to ethical decision-making.

Must be addressed in all core courses that satisfy the following requirements:

- Communication
- Language, Philosophy and Culture
- American History
- Government/Political Science
- Some Component Area Options