

Colorado CTE Course – Scope and Sequence

Course Name	Floriculture (One Semester/Two Semesters)		Course Details	Level 3 course in the Plant Science Pathway. This course is in the horticulture / green industry strand. Course is designed for one or two semester delivery depending upon lab time included as part of the instruction.	
			Course = 0.50 / 1.0 Carnegie Unit Credit		
Course Description	This course continues to introduce students to the horticulture industry. Major units of instruction include horticulture research, horticultural careers, plant anatomy, seed germination, plant propagation, growing media, pest management, hydroponics, identifying horticultural plants, soil science, growing greenhouse crops. Improving industry standard workplace skills will be a focus. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts.				
Note:	This is a suggested scope and sequence for the course content. The content will work with any textbook or instructional resource. If locally adapted, make sure all essential knowledge and skills are covered.				
SCED Identification #	18053	Schedule calculation based on 60 % of instructional time in semester. Scope and sequence allows for additional time for guest speakers, student presentations, field trips, remediation, or other content topics. (first % represents one semester / second % indicated a full year of instruction)			
All courses taught in an approved CTE program must include Essential Skills embedded into the course content. The Essential Skills Framework for this course can be found at https://www.cde.state.co.us/standardsandinstruction/essentialskills					
Standards in this course are from the 2016 National AFNR (three letter prefix) and the 2010 CO CTE sets (four letter prefix).					
Instructional Unit Topic	Suggested Length of Instruction (One semester / two semester framework)	CTE or Academic Standard Alignment	Competency / Performance Indicator	Outcome / Measurement	CTSO Integration
A. Careers Industry, & History 1. Industry & careers 2% / 3% 2. History 1% / 2%	3% / 5%	PLSC.10 – Understand and apply the principles of floral design.	PLSC.10.01 – Explain the history of floral design	PLSC.10.01.a Identify the origins of popular floral designs PLSC.10.01.c Recognize the differences in classical, European and Oriental design PLSC.10.01.d Analyze how European historical periods of floral design have affected modern design	

		PS.04. Apply principles of design in plant systems to enhance an environment (e.g. floral, forest landscape, and farm).	PS.04.01. Performance Indicator: Evaluating, identifying and preparing plants to enhance an environment.	PS.04.01.01.a. Identify and categorize plants by their purpose (e.g., floral plants, landscape plants, house plants, etc.).	
C. Design Principles 1. Artistic design (color, texture, form, balance, etc...) 8% / 18% 2. Shapes 7% / 12%	15% / 30%	PLSC.10 – Understand and apply the principles of floral design	PLSC.10.01 Explain the history of floral design PLSC.10.02 Explain and apply the principles of floral design	PLSC.10.01.b Identify the characteristics of mass, line-mass, and line designs PLSC.10.02.a Recognize primary, secondary and tertiary colors as they apply to basic color themes in floral design PLSC.10.02.b Define the principles and elements of design	
D. Use and Purpose 1. Types of arrangements 2% / 3% 2. Events used (wedding, funeral, etc) 1% / 2%	3% / 5%	PLSC.10 – Understand and apply the principles of floral design PS.04. Apply principles of design in plant systems to enhance an environment (e.g. floral, forest landscape, and farm).	PLSC.10.03 Identify and classify design material PS.04.01. Performance Indicator: Evaluating, identifying and preparing plants to enhance an environment	PLSC.10.03.c Investigate the seasonal availability of flowers and foliage PS.04.01.01.c. Install plants according to a design plan that uses the proper plants based on the situation and environment.	
E. Application & Design 1. Tools and Equipment 5% / 10% 2. Practical application 10% / 35%	15% / 45%	PLSC.10 – Understand and apply the principles of floral design	PLSC.10.05 Understand and demonstrate floral construction techniques	PLSC.10.05.a Identify tools and materials used in floral design and their appropriate use PLSC.10.05.b Apply wiring and taping techniques to different types of flowers	

			<p>PLSC.10.02 Explain and apply the principles of floral design</p>	<p>PLSC.10.05.c Explain the steps to designing a bud vase, circular arrangement, angular arrangement and line arrangement</p> <p>PLSC.10.05.d Construct a bud vase arrangement, circular arrangement, angular arrangement and line arrangement</p> <p>PLSC.10.02.c Develop a rating scale in order to critique the use of the basic design principles in an arrangement</p> <p>PLSC.10.02.d Construct & critique an arrangement using a rating scale based on the principles of design</p>	
F. Business Principles	9% / 20%	<p>PLSC.10 – Understand and apply the principles of floral design</p> <p>AGBS.07 Develop skills in agribusiness management</p>	<p>PLSC.10.03 Identify and classify design material</p> <p>AGBS.07.02 Develop skills in agribusiness management</p> <p>AGBS.07.09 Understand the use and necessity of daily operational forms &</p>	<p>PLSC.10.03.c Investigate the seasonal availability of flowers and foliage</p> <p>PLSC.10.03.d Organize a method of pricing and packaging of the most commonly used flowers and foliage</p> <p>AGBS.07.02.a Identify management skills (problem solving) and why management is important in an ag business</p> <p>AGBS.07.09.a Identify forms and documents used in ag</p>	

			documents used in an agribusiness	business and their function in the business operation AGBS.07.09.b Complete / fill out forms accurately AGBS.07.09.c Design forms to meet a specific business need	
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