

Colorado AFNR Course Scope and Sequence

Course Name	Floriculture A &/or B (one semester or 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 on lab time included as part of the instruction.	
		Course = 0.50 Carnegie Unit Credit			
Course Description	Floriculture is a one or two semester long class in which students will learn about the production, arrangement, and retailing of flowers. Classification and identification of common plants used in the floral industry will be taught. The class will include numerous labs where fresh, silk, and dried flowers are used to design corsages, wedding bouquets, table flower arrangements, and seasonal holiday decorations. The course will also highlight developing communication skills, business principles, and leadership skills in the floriculture industry. 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 a semester instructional time. Scope and sequence allows for additional time for guest speakers, student presentations, field trips, remediation, or other content topics.			
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					
Unit Number, Title and Brief Description	Suggested % of Instructional Time	CTE or Academic Standard Alignment	Competency / Performance Indicator	Outcome / Measurement	CTSO Integration
Unit 1: Careers, Industry and 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	History of Floral Design Notes

[illegible]

		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.).	
Unit 3: 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	Color & Color Harmonies Notes Edible Color Wheel Activity Principles of Floral Design Notes Upcycled Floral Arrangement Project
Unit 4: Use and Purpose 1. Types of arrangements 2%/3% 2. Events used (weddings, 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.	
Unit 5: 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	

			PLSC.10.02 Explain and apply the principles of floral design	PLSC.10.05.c Explain the steps to designing a bud vase, circular arrangement, angular arrangement and line arrangement PLSC.10.05.d Construct a bud vase arrangement, circular arrangement, angular arrangement and line arrangement PLSC.10.02.c Develop a rating scale in order to critique the use of the basic design principles in an arrangement PLSC.10.02.d Construct & critique an arrangement using a rating scale based on the principles of design	
Unit 6: Business Principles	9%/20%	PLSC.10 – Understand and apply the principles of floral design AGBS.07 Develop skills in agribusiness management	PLSC.10.03 Identify and classify design material AGBS.07.02 Develop skills in agribusiness management	PLSC.10.03.c Investigate the seasonal availability of flowers and foliage PLSC.10.03.d Organize a method of pricing and packaging of the most commonly used flowers and foliage AGBS.07.02.a Identify management skills (problem solving) and why management is important in an ag business	

			AGBS.07.09 Understand the use and necessity of daily operational forms & documents used in an agribusiness	AGBS.07.09.a Identify forms and documents used in ag 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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Academic Standards Alignment

Colorado CTE courses are required to integrate academic and essential skills into course content. The following academic standards have been identified as aligned to this course and should be integrated throughout instruction.

[CO CTE Academic Standards Resources](#) (Rubrics, integration strategies, etc)

[CDE Colorado Academic Standards Online](#) (Online standards lookup tool)

Standard 1: Oral Expression and Listening

Prepared Graduate 1: *Collaborate effectively as group members or leaders who listen actively and respectfully; pose thoughtful questions, acknowledge the ideas of others; and contribute ideas to further the group's attainment of an objective.*

Students collaborate to produce and market floral crops, evaluate greenhouse and floral design techniques, implement postharvest handling practices, and solve production and design challenges through laboratory activities, floral design projects, and greenhouse operations.

Standard 2: Reading for All Purposes

Prepared Graduate 4: *Read a wide range of informational texts to build knowledge and to better understand the human experience.*

Students analyze floriculture production guides, floral design principles, plant identification resources, integrated pest management recommendations, greenhouse production manuals, and industry publications to understand commercial floriculture production and floral design practices.

Prepared Graduate 5: *Understand how language functions in different contexts, command a variety of word-learning strategies to assist comprehension, and make effective choices for meaning or style when writing and speaking.*

Students develop and apply specialized vocabulary related to floral design, cut flower production, greenhouse management, plant identification, postharvest handling, integrated pest management, floriculture marketing, and customer service to communicate effectively in the floriculture industry.

Standard 3: Writing and Composition

Prepared Graduate 6: *Craft arguments using techniques specific to the genre.*

Students evaluate floral design techniques, crop production methods, postharvest handling procedures, greenhouse management strategies, and marketing decisions, defending recommendations using scientific evidence, production records, and industry standards.

Prepared Graduate 7: *Craft informational/explanatory texts using techniques specific to the genre.*

Students develop floral design plans, greenhouse production schedules, crop management plans, marketing materials, and technical reports explaining floriculture production, floral design, and business practices using scientific evidence.

Standard 4: Research Inquiry and Design

Prepared Graduate 10: *Gather information from a variety of sources; analyze and evaluate its quality and relevance; and use it ethically to answer complex questions.*

Students research floral crop species, greenhouse production systems, floral design principles, postharvest technologies, integrated pest management strategies, and floriculture marketing practices to develop evidence-based solutions that improve floral quality, production efficiency, and business success.

Note: *Mathematics and Science standards will be added in the future. Visit the [Colorado Academic Standards](#) page for the most current version.*