



Floriculture

Updates

HANDBOOK UPDATE:

Policies and Guidelines

I. Eligibility of Students

- Team activity will be added which will be the team floral arrangement.
- Eliminate make a mixed planter combination as rotational practicum.
- All students will complete the following as an individual: general knowledge exam, growing procedure (rotational), create and package a body flower piece.
- No questions will be asked on growing procedures practicum. Rubric adjusted.

Purpose

The Tennessee FFA Floriculture Career Development Event is designed to create an interest in career preparation for all current and future aspects of the floriculture industry through leadership development and hands-on technical skill development using industry standards delivered through the agricultural education curriculum.

Floriculture is a discipline of horticulture concerned with cultivating flowering and ornamental plants for gardens and the floral industry.

The floriculture industry encompasses the following areas:

- Greenhouse and field production and management.
- Garden center and floral shop management.
- Floral design and management.

Objectives

- Identify plants, plant materials, supplies and equipment utilized in the floriculture industry.
- Demonstrate an understanding of the biological and scientific principles of plant growth and development. Develop the skills underlying propagation, variety development, growth requirements, growing techniques, harvesting, marketing and maintenance of established floriculture plants.
- Identify and recommend solutions for plant disorders.
- Demonstrate the use of elements and principles of design and develop related skills.
- Evaluate marketable floral products for quality and cultural perfection in the retail industry.
- Identify, select, operate and maintain appropriate supplies and equipment for floriculture production, design and marketing.
- Demonstrate the use of safety procedures and practices in floriculture operations.
- Understand the operation, management and maintenance of facilities for floriculture operations.
- Demonstrate interpersonal skills necessary for successful employment in the floriculture industry.
- Demonstrate proper sales and customer service skills.
- Demonstrate general business practices appropriate to the floriculture industry.
- Effectively work together as a team.

Event Rules

Review the [Career and Leadership Development Event Policy and Guidelines](#) for information on eligibility, selection, certification, team member changes, disqualification and more.

General Information for National Competition provides general guidance on preparing for the national competition.

- Each team will be comprised of four members.
- All four participant scores will determine the total team score.
- Official dress is not required for this event.
- Under no circumstances will any participant be allowed to touch or handle plant material during the event except when instructed by the event staff.

- All participants must be prompt at their stations throughout the event. No provision will be made for tardiness, which will, in most cases, cause the late participant to lose event points.
- All references to time limits are approximate. The committee reserves the right to adjust to the practicum and anticipated skills of the students

Event Format

MATERIALS STUDENTS NEED TO PROVIDE:

- Clean clipboard, free of notes.
- Two sharpened No. 2 pencils.
- Floral tools and materials may consist of any or all of the following materials:
 - floral scissors,
 - ribbon shears,
 - pruners,
 - wire cutters,
 - floral pliers,
- Apron
- Tool bag, box, or belt for carrying supplies.
- Calculator — Should be battery operated, non-programmable and non-scientific (basic five function only). No other calculators can be used during the event.
- Participants will not be allowed to bring any material into the competition area that could be used to enhance the creativity of their design(s) that is not supplied to all participants; this includes but is not limited to floral ribbon, wired ribbon, decorative wire, bullion wire, and any floral accents. Supplies will be checked at team check-in before the competition starts; unapproved items will be returned to the advisor before students enter the competition area.

TEAM ACTIVITY (200 POINTS)

Make a floral arrangement in compliance with the scenario provided. Participants will be allowed 40 minutes to complete their arrangement using the materials provided. At the beginning of the practicum, the event assistant will provide participants with the flowers and foliage they will use in their arrangements. Scoring criteria are presented on the [Floral Arrangement Practicum scorecard](#), which a judge will record.

Explanation of Floral Arrangement Terms

Design: Category interpretation: design follows the objective/scenario given

Balance: Physical and visual

Creativity: Artistic inventiveness

Depth: Placement of materials at different levels throughout the arrangement

Focal Emphasis: Design has one area of design that attracts the eye to it

Line: Movement

Mechanics: Professional techniques and application

Scale: Proportion

Unity: Cohesiveness of design

Color: harmonious use of color

INDIVIDUAL ACTIVITIES

Identification of plant material, equipment, and disorders (200 points)

Forty specimens from the [floriculture plant, equipment](#) and [disorder](#) identification lists will be displayed for participants to identify by technical/scientific and common names. A number will designate each specimen. Five points will be awarded for each specimen that is correctly identified. Each participant will be allowed up to 50 minutes to complete this portion. Up to 15 specimens can be equipment.

General Knowledge and Problem-Solving Examination (100 points)

Participants will answer 50 multiple-choice questions to test all areas of the floriculture industry. Each participant will be allowed 50 minutes to complete the exam. The exam will be comprised of questions from a test bank maintained on tnffa.org.

GROWING PROCEDURES (100 POINTS)

One of the three activities listed below will be demonstrated annually. seven minutes will be allowed for this section, including questions from the judges. Seven (7) minutes will be allowed to complete the assigned task.

Potting of Young Plants (Plugs or Liners)

Participants will be asked to plant young plants in the pots provided. Each participant will be given a group of young plants from which to select their transplants, an appropriate pot or pots, a potting medium, an ID stake, and a marking pencil. Scoring criteria are presented on the [Potting of Young Plants Practicum Rubric](#), which a judge will record.

Asexual Propagation of Plants

Each participant will be provided with the parent plant materials and all other materials needed to propagate plants asexually. Participants will take cuttings from the plant provided them using the available materials and place them in the correct media, best for rooting. Participants should sanitize all equipment and use it appropriately in a safe manner. Scoring criteria are presented on the [Asexual Plant Propagation Rubric](#), which a judge will record.

Pinching Plants

A plant will be placed before each participant. Participants will be judged on the procedures they follow in pinching the plant in compliance with the scenario provided. Scoring criteria are presented on the [Pinching Plants Rubric](#), which a judge will record.

CREATE AND PACKAGE A BODY FLOWER PIECE (75 POINTS)

Each participant will make and package a body flower piece. These pieces could include any of the following: corsages, boutonnieres, floral jewelry, crowns, arm, wrist, or ankle pieces, and hair accessories. The type of design and information about the piece will be provided to the participants through a given scenario at the beginning of the practicum by the event assistant in charge. All plant and non-plant materials needed to construct and package the piece will be provided. The selection of materials should be combined to create a floral display according to acceptable retail purposes, using appropriate elements and principles of design. Each participant will be allowed 20 minutes to complete the construction of the piece. Scoring criteria are presented on the [Create and Packaging a Body Flower Piece Rubric](#), which a judge will record.

Scoring

Phase	Individual Points	Team Points
Plant and Equipment Identification	200	800
General knowledge and Problem-Solving	100	400
Growing Procedure	100	400
Body Flower Piece	75	300
Team activity	0	200
TOTAL	475	2,100

TIEBREAKERS

If ties occur, the following components will be used in the listed order to determine award recipients:

Individual

1. Plant and equipment identification
2. General Knowledge
3. Combined score of growing procedure and body flower piece

Team

1. Team activity
2. Total Written exam score
3. Total Plant and equipment identification score.

References

This list of references is not intended to be all-inclusive.

- Other sources may be utilized, and teachers are encouraged to use the best instructional materials available. The following list contains references that may prove helpful during event preparation.
- Past CDE materials and other resources are available on FFA.org.
- Principal of Floral Design, Pat Diehl Scape, James M. DelPrince – Goodheart Wilcox Publisher. www.g-w.com
- The AIFD Guide to Floral Design: Terms, Techniques, and Traditions – The American Institute of Floral Design.
- Introduction to Horticulture Science and Technology. 5th edition, 2015. Schroeder, Seagle Felton, Ruter, Interstate Publishers, Inc.
- Introductory Horticulture. Carroll Shry, Edward Reiley. Eighth Edition.
- Greenhouse Operation and Management. Paul V. Nelson. Seventh Edition. (Specific reference for the disorders rotational practicum)
- Ball Publishing: Ball Redbook, Volume 1&2, 18th Edition.

Floriculture Plant Identification List

#	Botanical Name	Common Name
101	<i>Aechmea fasciata</i> cv.	Bromeliad
102	<i>Ageratum houstonianum</i>	Floss Flower
103	<i>Alocasia amazonica</i>	Amazon elephant ear
104	<i>Aloe vera</i>	Aloe plant
105	<i>Alstroemeria hybrid</i> cv.	Peruvian Lily
106	<i>Anemone coronaria</i>	Wind Flower
107	<i>Anethum graveolens</i> cv.	Dill
108	<i>Angelonia hybrid</i> cv.	Angelonia
109	<i>Anthurium x andraeanum</i> cv.	Flamingo Plant
110	<i>Antirrhinum majus</i> cv.	Snapdragon
111	<i>Aphelandra squarrosa</i> cv.	Zebra Plant
112	<i>Araucaria heterophylla</i>	Norfolk Island Pine
113	<i>Asparagus densiflorus</i>	Fox Tail Fern
114	<i>Aster Amellus</i>	Aster
115	<i>Astilbe hybrid</i> cv.	Astilbe
116	<i>Begonia x semperflorens – cultorum</i>	Wax Begonia
117	<i>Begonia x tuberhybrida</i> cv.	Tuberous Begonia
118	<i>Caladium x hortulanum</i> cv.	Caladium
119	<i>Calathea insignis</i>	Rattlesnake plant
120	<i>Calibrachoa hybrid</i> cv.	Million Bells
121	<i>Callistephus chinensis</i> cv.	China Aster
122	<i>Campanula hybrid</i> cv.	Bell Flower
123	<i>Canna x generalis</i> cv.	Canna
124	<i>Capsicum annuum</i>	Ornamental Pepper
125	<i>Celosia argentea</i> cv.	Cockscomb
126	<i>Centaurea cyanus</i>	Cornflower, Bachelor's Button
127	<i>Chamaedorea elegans</i>	Parlor Palm
128	<i>Chamelaucium uncinatum</i>	Waxflower
129	<i>Chlorophytum comosum</i> cv.	Spider Plant
130	<i>Chrysanthemum x morifolium</i>	Chrysanthemum
131	<i>Clematis hybrid</i> cv.	Clematis
132	<i>Codiaeum variegatum pictum</i>	Croton
133	<i>Colocasia esculenta</i>	Taro
134	<i>Cordyline fruticosa</i>	Ti Plant
135	<i>Crassula argentea</i>	Jade Plant
136	<i>Cycas revoluta</i> cv.	Sago Palm
137	<i>Cyclamen x persicum</i> cv.	Cyclamen
138	<i>Cymbidium</i> cv.	Cymbidium Orchid
139	<i>Cymbopogon</i> cv.	Lemongrass (herb)
140	<i>Dahlia hybrid</i> cv.	Dahlia
141	<i>Delosperma</i>	Ice Plant
142	<i>Delphinium consolida</i> cv.	Larkspur
143	<i>Dendrobium</i> cv.	Dendrobium Orchid
144	<i>Dianthus caryophyllus</i> cv.	Carnation
145	<i>Dracaena Marginata</i>	Red Edge Dracaena
146	<i>Echinocactus</i> cv.	Barrel Cactus

#	Botanical Name	Common Name
147	<i>Epipremnum aureum</i> cv.	Golden Pothos
148	<i>Erica carnea</i> cv.	Winter Heath
149	<i>Eucalyptus polyanthemos</i>	Silver Dollar Eucalyptus
150	<i>Euphorbia pulcherrima</i> cv.	Poinsettia
151	<i>Eustoma grandiflorum</i>	Lisianthus Prairie gentian
152	<i>Exacum affine</i>	Persian Violet
153	<i>Ficus benjamina</i> cv	Benjamin Fig
154	<i>Ficus elastica</i> cv	Rubber Plant
155	<i>Ficus lyrata</i>	Fiddle Leaf Fig
156	<i>Fragaria x ananassa</i> cv.	Strawberry Plant
157	<i>Freesia x hybrida</i>	Freesia
158	<i>Gardenia jasminoides</i>	Gardenia
159	<i>Gerbera jamesonii</i>	Gerbera Daisy
160	<i>Gladiolus x hortulanus</i> cv.	Gladiolus
161	<i>Gomphrena hybrid</i> cv.	Globe Amaranths
162	<i>Gypsophila elegans</i> cv.	Baby's Breath
163	<i>Hedera helix</i> cv.	English Ivy
164	<i>Helianthus annuus</i>	Sunflower
165	<i>Hemerocallis</i> cv.	Daylily
166	<i>Hibiscus</i> spp.	Hibiscus
167	<i>Hippeastrum hybrid</i> cv.	Amaryllis
168	<i>Hosta</i> cv.	Hosta Plantain Lily
169	<i>Hoya carnosa</i>	Wax Plant
170	<i>Hyacinthus orientalis</i> cv.	Hyacinth
171	<i>Hydrangea macrophylla</i>	Big Leaf Hydrangea
172	<i>Hypoestes phyllostachya</i>	Polka-Dot plant
173	<i>Impatiens hawkeri</i>	New Guinea Impatiens
174	<i>Impomoea batatas</i> cv.	Sweet potato vine
175	<i>Iris x xiphium</i> cv.	Dutch Iris
176	<i>Justica brandegeana</i>	Shrimp Plant
177	<i>Kalanchoe x blossfeldiana</i> cv.	Kalanchoe
178	<i>Leucanthemum x superbum</i>	Shasta Daisy
179	<i>Liatris spicata</i>	Blazing stars
180	<i>Lilium hybrid</i> cv.	Asiatic or Oriental Lily
181	<i>Limonium sinuatum</i>	Statice
182	<i>Lobularia maritima</i>	Alyssum
183	<i>Mandevilla</i> spp.	Rock Trumpet
184	<i>Maranta leuconeura</i>	Prayer Plant
185	<i>Matthiola incana</i> cv.	Stock
186	<i>Monstera deliciosa</i>	Split Leaf Philodendron
187	<i>Narcissus hybrid</i> cv.	Daffodil or Narcissus
188	<i>Nephrolepis exaltata</i> cv.	Boston Fern
189	<i>Ocimum basilicum</i> cv.	Basil
190	<i>Opuntia</i> cv.	Cactus
191	<i>Paeonia</i> cv.	Peony
192	<i>Paphiopedilum hybrid</i> cv.	Ladyslipper Orchid

#	Botanical Name	Common Name
193	<i>Pelargonium peltatum</i> cv.	Ivy Geranium
194	<i>Pelargonium x hortorum</i> cv.	Zonal Geranium
195	<i>Pentas</i> hybrid cv.	Pentas star flower
196	<i>Peperomia</i> sp.	Peperomia
197	<i>Petroselinum crispum</i> cv.	Parsley
198	<i>Petunia x hybrida</i> cv.	Petunia
199	<i>Phalaenopsis</i> cv.	Moth Orchid
200	<i>Philodendron scandens</i> <i>oxycardium</i>	Heartleaf Philodendron
201	<i>Pilea cadierei</i>	Aluminum Plant
202	<i>Portulaca oleracea</i> cv.	Portulaca/ Moss rose
203	<i>Primula malacoides</i> cv.	Primrose
204	<i>Protea</i> sp.	Protea
205	<i>Ranunculus</i> hybrid cv.	Ranunculus/ Buttercups
206	<i>Rhododendron simsii</i> cv.	Azalea
207	<i>Rumohra adiantiformis</i>	Leatherleaf Fern
208	<i>Saintpaulia ionantha</i> cv.	African Violet
209	<i>Salvia splendens</i> cv.	Salvia
210	<i>Sansevieria trifasciata</i> cv.	Snake Plant
211	<i>Schefflera arboricola</i>	Dwarf Schefflera

#	Botanical Name	Common Name
212	<i>Schlumbergera bridgesii</i>	Christmas Cactus
213	<i>Sempervivum</i> hybrid cv.	Hens and Chicks
214	<i>Senecio cineraria</i>	Dusty Miller
215	<i>Senecio rowleyanus</i>	String of Pearls
216	<i>Solenostemon</i> <i>scutellarioides</i>	Coleus
217	<i>Solidago</i> hybrid cv	Solidago
218	<i>Spathiphyllum</i>	Peace Lily
219	<i>Stephanotis floribunda</i>	Stephanotis
220	<i>Strelitzia reginae</i>	Bird of Paradise
221	<i>Syngonium podophyllum</i>	Arrowhead plant
222	<i>Tagetes species</i> cv.	Marigold
223	<i>Tillandsia</i> spp.	Air Plant
224	<i>Tradescantia zebrine</i>	Inch Plant
225	<i>Tulipa</i> cv.	Tulip
226	<i>Verbena</i> hybrid cv.	Verbena
227	<i>Viola x wittrockiana</i> cv.	Pansy
228	<i>Zantedeschia</i> hybrid cv.	Calla Lily
229	<i>Zinnia</i> cv.	Zinnia
230		

Floriculture Equipment and Supply Identification List

301	#100 Ribbon (satin, sheer, wired)
302	#3 Ribbon (satin, sheer, wired)
303	#40 Ribbon (satin, sheer, wired)
304	#9 Ribbon (satin, sheer, wired)
305	18-Gauge floral wire
306	28-Gauge floral wire
307	Anvil-and-blade pruner
308	Backflow preventer
309	Bouquet sleeve
310	Bulb planter
311	Cardette
312	Cell pack containers
313	Ceramic container
314	Chemical resistant gloves
315	Chenille stem
316	Coconut coir
317	Compressed air sprayer
318	Corsage box
319	Corsage pin
320	Corsage snips
321	Drip emitter, irrigation
322	Dry foam
323	Dust mask
324	Duster
325	Ellepot propagation cubes
326	Enclosure card
327	Fern greening pins
328	Fertilizer injectors
329	Floral adhesive
330	Floral foam
331	Floral knife
332	Floral preservative
333	Floral stem tape

334	Fogger
335	Gas mask
336	Glass vase
337	Glue gun
338	Glue pan
339	Glue sticks
340	Granular fertilizer
341	Greenhouse thermostat
342	Hanging basket
343	Hearing protection
344	Hook-and-blade pruners (bypass pruners)
345	Hose punch
346	Hose repair coupling
347	Hose-end repair fitting
348	Hose-end sprayer
349	Hose-end washer
350	Impulse sprinkler
351	Drip Irrigation tape
352	Irrigation timer
353	Mist nozzle (mist bed)
354	Nosegay holder
355	Nursery container
356	Oscillating sprinkler
357	Peat moss
358	Peat pots
359	Pest strips
360	pH testing meter
361	Polyethylene film
362	Polyethylene pipe
363	Pot covers
364	Propagation mat
365	Propagation trays
366	PVC (polyvinylchloride) pipe

367	PVC pipe cutter
368	Resin-coated fertilizer
369	Respirator
370	Ribbon shears
371	Rice hulls
372	Rockwool propagation cubes
373	Rose and stem flower stripper
374	Safety goggles
375	Sand
376	Scoop shovel
377	Shade fabric
378	Sharpening stone
379	Sheet moss
380	Siphon injector
381	Soil moisture meter
382	Solenoid valve
383	Spaghetti tubing (1/4" diameter or less)
384	Spanish moss
385	Sphagnum moss
386	Spray suit
387	Square point (flat) shovel
388	Styrofoam
389	Surestik cling
390	Tulle
391	Vermiculite
392	Water breaker
393	Water picks
394	Water soluble fertilizer
395	Water tubes
396	Waterproof container tape
397	Wire cutter
398	Wooden pick
399	Wrist corsage holder

Disorder Identification List

Nutritional/Environmental Disorders

401.	Cold temperature (freeze)
402.	Cold water damage
403.	Ethylene damage
404.	Insufficient water damage
405.	Iron deficiency
406.	Nitrogen deficiency
407.	Phosphorus deficiency

Diseases

408.	Botrytis – Gray mold
409.	Damping-off
410.	Downy mildew
411.	Leaf spot (Black)
412.	Powdery mildew
413.	Root rot
414.	Rust
415.	Stem rot
416.	Tospovirus (INSV and TSWV)

Insects and Pests

417.	Aphids
418.	Fungus gnats
419.	Leaf miner
420.	Leafhopper
421.	Mealybugs
422.	Scale
423.	Shore flies
424.	Snails/Slugs
425.	Spider mites
426.	Thrips
427.	Whiteflies

Team Floral Arrangement Practicum Rubric

200 POINTS

Chapter		State		Chapter Number	
Evaluator Name		Evaluator's Signature		Date	
	Excellent 7-10 points	Good 4-6 points	Needs Improvement 0-3 points	Weight	Team Score
Category interpretation	Design follows given scenario within provided parameters and correlates to the appropriate style, shape and design	Design slightly followed given scenario but is somewhat lacking in appropriate style, shape, or design	Design does not follow given scenario and/or lacks in following the given style, shape, or design	(X2)	
Balance	Design is both visually and physically balanced	Design is slightly off balanced	Design is not balanced visually or physically	(X2)	
Creativity	Design expresses advanced creative ability and advanced design techniques	Design expresses some creative ability and minimal advanced design techniques	Design lacks creative ability and demonstrates limited design techniques	(X2)	
Depth	Placement of materials at different levels is evenly distributed throughout	Placement of materials are somewhat distributed evenly	Placement of items are not distributed evenly	(X2)	
Color	Color is used evenly/harmoniously throughout	Color is used somewhat correctly	Color is not used correctly	(X2)	
Focal emphasis	Design has one area of design that attracts the eye	Design somewhat has a clear focal point	Design does not have a clear focal point	(X2)	
Line / Rhythm	Design has a clear sense of movement created visually by the placement of floral materials	Design has a somewhat clear sense of movement created visually by the placement of floral materials	Design has no clear sense of movement created visually by the placement of floral materials	(X2)	
Mechanics	Techniques used to keep floral material secure and stable are hidden or done neatly	Techniques used to keep floral material secure and stable are somewhat hidden or done neatly	Techniques used to keep floral material secure and stable are not hidden or done neatly	(X2)	
Scale / Proportion	Design is the correct size based on container given	Design is slightly out of proportion or scale	Design is not in proportion with container given or space indicated	(X2)	
Unity	All principles of designs are present and executed well	Some principles of design are executed well	None or few principles of design are executed well	(X2)	
TOTAL SCORE (200 points possible)					

Asexual Plant Propagation Rubric

100 POINTS

Name	Member Number	Chapter/State	Team Number		
Judge Name	Judge's Signature	Date			
	Excellent	Good	Needs Improvement		Member Score
Proper sanitation and equipment use	5-6 points Thoroughly covering cutting instrument with a sterile solution	3-4 points Cleaning cutting instrument with solution	0-2 points No sanitation procedures followed or not followed properly	(X2)	
Selection of cuttings	6-7 points Small uniform terminal shoot cuttings	3-5 points Used some cuttings of the same size and type	0-2 points too large, nonterminal shoots, or not uniform in size	(X2)	
Making cuttings	6-7 points Straight, flush even cut of the basal end	3-5 points Some cuttings cut properly and some incorrectly cut	0-2 points basal end cut at angle or damaged	(X2)	
Preparation of cuttings for sticking in growing media	5-6 points Selected/ prepared cuttings that did not require further preparation	3-4 points Selected cuttings that required removal of damaged and/or unneeded foliage	0-2 points left damaged and/or unnecessary foliage on plant	(X2)	
Use of rooting hormone	5-6 points Poured correct amount of rooting hormone into separate container, applied hormone & tapped off excess amount	3-4 points Too much or too little put in separate container, applied correctly but did not tap off extra hormone	0-2 points applied directly from source container and/or did not use rooting hormone	(X2)	
Selection of growing media	5-6 points Select best rooting medium for optimum rooting	3-4 points Select moderate but not best choice for optimum rooting	0-2 points selected incorrect rooting medium	(X2)	
Sticking of cuttings in growing media	5-6 points Creating a dibble in media prior to placing cutting, placing at proper depth, firming media correctly	3-4 points Correctly demonstrated at least 1 or 2 of the correct principles	0-2 points no prior hole made, planted too deep, or left unstable	(X2)	
Cuttings labeled correctly	5-6 points Labeled with date propagated, plant name, and cultivar	3-4 points Labeled with some but not all information required	0-2 points no label present or labeled with incorrect information	(X2)	
TOTAL SCORE (100 POINTS POSSIBLE)					

Pinching Plants Rubric

100 POINTS

Name	Member Number	Chapter/State	Team Number		
Judge Name	Judge's Signature	Date			
	Excellent	Good	Needs Improvement		Member Score
Selection of plant part to pinch	10-12 points Followed given scenario to determine correct pinch	5-9 points Some pinches were made in incorrect places on plant	0-4 points Most all pinches were made on incorrect places	(x2)	
Use of proper procedures in making pinches	10-12 points Used proper tools and/or techniques in making pinches	5-9 points Used some but not all proper tools and/or techniques in making pinches	0-4 points Used few or not any of proper tools and/or techniques in making pinches	(x2)	
Made proper pinches	10-12 points Plant pinched correctly to get desired effect per instructions	5-9 points Some pinches were too little or too much to get desired effect per instructions	0-4 points Most or all of plant pinches would not allow the plant to reach desired effect per instructions	(x2)	
Overall effect of making pinches	12-14 points The plant will reach desired outcome after pinching, no damage to plant parts left after pinch, and pinches correctly done	6-11 points The plant will have some difficulty achieving desired outcome, some plant parts left have damage, and some pinches not done correctly	0-5 points The plant will not be able to achieve desired outcome, much damage to plant part left, and most pinches not done correctly	(x2)	
TOTAL SCORE (100 POSSIBLE POINTS)					

Potting of Young Plants Practicum Rubric

100 POINTS

Name	Member Number	Chapter/State	Team Number
Judge Name	Judge's Signature	Date	

	Excellent	Good	Needs Improvement		Member Score
Potting Process					
Selection of plugs or liners	7-8 points Plugs/liners are uniform in size and shape, correct number selected based on pot size provided	4-6 points Plugs/liners are somewhat uniform in size and shape, just slightly off in selecting the correct number	0-3 points Plugs/liners are not uniform in size and shape, correct number not selected based on pot size provided	(x2)	
Proper planting depth	6-7 points Hole is made prior to placing plant in soil, the entire root system is covered, leaving proper stem length visible	3-5 points minor amount of roots are showing, planted slightly too deep	0-2 points A large amount of roots are showing or plant stem is covered with soil	(x2)	
Labeling of plant/pot	6-7 points Labeled with date planted, plant name, and cultivar	3-5 points Labeled with some but not all information required	0-2 points no label present or labeled with incorrect information	(x2)	
Correct growing medium level in pot	6-7 points Growing media is filled to the inner lip of the pot, leaving enough room to water the plant	3-5 points Growing media is filled slightly too high or too low	0-2 points Growing media is left very low or completely fills up the pot	(x2)	
Plug or liner arrangement and angle	6-7 points Plugs/Liners evenly spaced for pot size given and plugs/liners planted in upright position	3-5 points plugs/liners planted slightly too close or too far apart, planting slightly tilting	0-2 points Plugs/liners not spaced corrected and not planted upright	(x2)	
Firmness of growing medium	6-7 points After planting, growing media is tapped/pressed firmly around each plant leaving the plant upright	3-5 points Growing media is left slightly loose or left slightly too firm restricting plant growth	0-2 points Growing media is not firmed after planting or left entirely too firm restricting plant growth	(x2)	
General appearance (free from handling damage)	6-7 points Final product presented to the judge with plants upright, pot clean, and in sellable condition	3-5 points Final product presented to the judge in slightly sellable condition	0-2 points Final product presented to judge in non-sellable condition	(x2)	
TOTAL (100 POINTS POSSIBLE)					

Making and Packing a Body Flower Piece Rubric

75 POINTS

Name	Member Number	Chapter/State	Team Number	
Evaluator Name	Evaluator's Signature		Date	
	Excellent	Good	Needs Improvement	Member Score
Mechanical Application	11–15 points Techniques used to keep floral material secure and stable are hidden or done neatly.	6–10 points Techniques used to keep floral material secure and stable are somewhat hidden or done neatly.	0–5 points Techniques used to keep floral material secure and stable are not hidden or done neatly.	
Color	11–15 points Color is used evenly/harmoniously throughout.	6–10 points Color is used somewhat correctly.	0–5 points Color is not used correctly.	
Creativity	11–15 points Design expresses a high level of creative ability and advanced design techniques.	6–10 points Design expresses some creative ability and minimal advanced design techniques.	0–5 points Design lacks creative ability and demonstrated limited design techniques.	
Balance	11–15 points Design is physically and visually balanced.	6–10 points Design is slightly off balance.	0–5 points Design does not follow the principles of design regarding balance.	
Design & Category Interpretation	11–15 points Design follows scenario given for an overall cohesive design.	6–10 points Design somewhat follows scenario given and overall design is somewhat cohesive.	0–5 points Design does not follow given scenario.	
TOTAL SCORE (75 POINTS POSSIBLE)				