

Department of

# Horticulture

**Jerry Toll, Department Chair**

*Daniel Dewey, Byron John, Reese Nelson, Ben Romney, Jerry Toll*

*Janet Ruud, Secretary (208) 496-2018*

*Forrest Barnes, Greenhouse/Garden Manager*

*<http://www.byui.edu/horticulture/>*

**Mission Statement**

Our aim at Brigham Young University–Idaho Horticulture Department is to nurture understanding of both the art and science of Horticulture. Students learn experientially in the classroom, laboratory, greenhouse, and ten-acre Thomas E. Ricks demonstration garden as they pursue an Associates or Bachelors Degree. Using the medium of plants, students develop habits of hard work, enlightened minds, and healthy living that assist in gainful employment opportunities.

**Career Opportunities**

The Department is a recognized leader in horticulture education preparing students for expanding career opportunities with nurseries, garden centers, florist's shops, floral wholesalers, plant and flower brokers, landscape contractors, lawn service companies, interiorscape companies, greenhouses, golf courses, parks, botanical gardens, and horticulture supply companies. Demand for graduates is strong and most students can choose from several job offers throughout the nation.

Students who seek advanced degrees find opportunities in horticulture teaching, research, extension education, and government service.

Horticulture majors can choose from four emphasis areas:

- **Landscape Management:** experience hands-on management of established landscapes with emphasis on turf grass, trees, shrubs, and flowers.
- **Floral Design:** provides training in retail and wholesale floral marketing, wedding and event flowers, and retail floristry .
- **Design Build:** emphasizes the design and installation of landscapes, sprinkler systems, and application of bidding processes.
- **Production:** focuses on the retail/wholesale horticulture markets of nursery, garden center, vegetable/fruit and greenhouse operations. Courses which develop skills in home gardening, floral design and landscape beautification are available to the general student body.





## Horticulture

Brigham Young University-Idaho 2008-2009

### BS in Horticulture Floral Design Emphasis (695-16)

Take required Foundations courses

#### Major Requirements

*No Double Counting of Major Courses*

<p><i>Take these courses:</i></p> <table style="width: 100%; border-collapse: collapse;"> <tr><td>AGRON 220</td><td style="text-align: right;">3</td></tr> <tr><td>AGRON 220L</td><td style="text-align: right;">1</td></tr> <tr><td>HORT 201</td><td style="text-align: right;">3</td></tr> <tr><td>HORT 230</td><td style="text-align: right;">3</td></tr> <tr><td>HORT 288</td><td style="text-align: right;">0.5</td></tr> <tr><td>HORT 297</td><td style="text-align: right;">1</td></tr> <tr><td>HORT 320</td><td style="text-align: right;">3</td></tr> <tr><td>HORT 322</td><td style="text-align: right;">2</td></tr> <tr><td>HORT 324</td><td style="text-align: right;">2</td></tr> <tr><td>HORT 335</td><td style="text-align: right;">3</td></tr> <tr><td>HORT 412</td><td style="text-align: right;">3</td></tr> <tr><td style="border-top: 1px solid black;"></td><td style="text-align: right; border-top: 1px solid black;">24.5</td></tr> </table> <p><i>Repeat 3 times:</i></p> <table style="width: 100%; border-collapse: collapse;"> <tr><td>HORT 299</td><td style="text-align: right;">0.5</td></tr> <tr><td style="border-top: 1px solid black;"></td><td style="text-align: right; border-top: 1px solid black;">1.5</td></tr> </table> <p><i>Take this course for 1 credit:</i></p> <table style="width: 100%; border-collapse: collapse;"> <tr><td>HORT 298R</td><td style="text-align: right;">1-5</td></tr> <tr><td style="border-top: 1px solid black;"></td><td style="text-align: right; border-top: 1px solid black;">1</td></tr> </table>	AGRON 220	3	AGRON 220L	1	HORT 201	3	HORT 230	3	HORT 288	0.5	HORT 297	1	HORT 320	3	HORT 322	2	HORT 324	2	HORT 335	3	HORT 412	3		24.5	HORT 299	0.5		1.5	HORT 298R	1-5		1	<p><i>Take these courses:</i></p> <table style="width: 100%; border-collapse: collapse;"> <tr><td>HORT 287R</td><td style="text-align: right;">1</td></tr> <tr><td>HORT 325</td><td style="text-align: right;">2</td></tr> <tr><td>HORT 336</td><td style="text-align: right;">1</td></tr> <tr><td>HORT 337</td><td style="text-align: right;">1</td></tr> <tr><td>HORT 338A</td><td style="text-align: right;">2</td></tr> <tr><td>HORT 338B</td><td style="text-align: right;">2</td></tr> <tr><td>HORT 338C</td><td style="text-align: right;">2</td></tr> <tr><td>HORT 339R</td><td style="text-align: right;">1</td></tr> <tr><td>HORT 435</td><td style="text-align: right;">3</td></tr> <tr><td>HORT 436</td><td style="text-align: right;">1</td></tr> <tr><td>HORT 437</td><td style="text-align: right;">1</td></tr> <tr><td>HORT 460</td><td style="text-align: right;">2</td></tr> <tr><td style="border-top: 1px solid black;"></td><td style="text-align: right; border-top: 1px solid black;">19</td></tr> </table> <p><i>Repeat 8 times:</i> <i>(Must be taken each semester)</i></p> <table style="width: 100%; border-collapse: collapse;"> <tr><td>HORT 095</td><td style="text-align: right;">0</td></tr> <tr><td style="border-top: 1px solid black;"></td><td style="text-align: right; border-top: 1px solid black;">0</td></tr> </table>	HORT 287R	1	HORT 325	2	HORT 336	1	HORT 337	1	HORT 338A	2	HORT 338B	2	HORT 338C	2	HORT 339R	1	HORT 435	3	HORT 436	1	HORT 437	1	HORT 460	2		19	HORT 095	0		0	<p><i>Take 5 credits:</i></p> <table style="width: 100%; border-collapse: collapse;"> <tr><td>AGBUS 232</td><td style="text-align: right;">3</td></tr> <tr><td>AGTEC 220</td><td style="text-align: right;">3</td></tr> <tr><td>AGTEC 240</td><td style="text-align: right;">3</td></tr> <tr><td>HORT 252</td><td style="text-align: right;">4</td></tr> <tr><td>HORT 287R</td><td style="text-align: right;">1</td></tr> <tr><td>HORT 290</td><td style="text-align: right;">1-3</td></tr> <tr><td>HORT 311</td><td style="text-align: right;">2</td></tr> <tr><td>HORT 319</td><td style="text-align: right;">3</td></tr> <tr><td>HORT 321</td><td style="text-align: right;">2</td></tr> <tr><td>HORT 329</td><td style="text-align: right;">2</td></tr> <tr><td>HORT 330</td><td style="text-align: right;">3</td></tr> <tr><td>HORT 334</td><td style="text-align: right;">3</td></tr> <tr><td>HORT 339R</td><td style="text-align: right;">1</td></tr> <tr><td>HORT 351</td><td style="text-align: right;">2</td></tr> <tr><td>HORT 410</td><td style="text-align: right;">3</td></tr> <tr><td>HORT 420</td><td style="text-align: right;">3</td></tr> <tr><td>HORT 440</td><td style="text-align: right;">2</td></tr> <tr><td>HORT 453</td><td style="text-align: right;">3</td></tr> <tr><td>HORT 455</td><td style="text-align: right;">2</td></tr> <tr><td>HORT 461</td><td style="text-align: right;">2</td></tr> <tr><td>HORT 470</td><td style="text-align: right;">2</td></tr> <tr><td style="border-top: 1px solid black;"></td><td style="text-align: right; border-top: 1px solid black;">5</td></tr> </table>	AGBUS 232	3	AGTEC 220	3	AGTEC 240	3	HORT 252	4	HORT 287R	1	HORT 290	1-3	HORT 311	2	HORT 319	3	HORT 321	2	HORT 329	2	HORT 330	3	HORT 334	3	HORT 339R	1	HORT 351	2	HORT 410	3	HORT 420	3	HORT 440	2	HORT 453	3	HORT 455	2	HORT 461	2	HORT 470	2		5	<p><i>Take this course for 1 credit</i></p> <table style="width: 100%; border-collapse: collapse;"> <tr><td>HORT 290</td><td style="text-align: right;">1-3</td></tr> <tr><td style="border-top: 1px solid black;"></td><td style="text-align: right; border-top: 1px solid black;">1</td></tr> </table> <p><i>Repeat 3 times:</i></p> <table style="width: 100%; border-collapse: collapse;"> <tr><td>HORT 338</td><td style="text-align: right;">1-2</td></tr> <tr><td style="border-top: 1px solid black;"></td><td style="text-align: right; border-top: 1px solid black;">3</td></tr> </table>	HORT 290	1-3		1	HORT 338	1-2		3	<p><i>Program Notes:</i></p>
AGRON 220	3																																																																																																																					
AGRON 220L	1																																																																																																																					
HORT 201	3																																																																																																																					
HORT 230	3																																																																																																																					
HORT 288	0.5																																																																																																																					
HORT 297	1																																																																																																																					
HORT 320	3																																																																																																																					
HORT 322	2																																																																																																																					
HORT 324	2																																																																																																																					
HORT 335	3																																																																																																																					
HORT 412	3																																																																																																																					
	24.5																																																																																																																					
HORT 299	0.5																																																																																																																					
	1.5																																																																																																																					
HORT 298R	1-5																																																																																																																					
	1																																																																																																																					
HORT 287R	1																																																																																																																					
HORT 325	2																																																																																																																					
HORT 336	1																																																																																																																					
HORT 337	1																																																																																																																					
HORT 338A	2																																																																																																																					
HORT 338B	2																																																																																																																					
HORT 338C	2																																																																																																																					
HORT 339R	1																																																																																																																					
HORT 435	3																																																																																																																					
HORT 436	1																																																																																																																					
HORT 437	1																																																																																																																					
HORT 460	2																																																																																																																					
	19																																																																																																																					
HORT 095	0																																																																																																																					
	0																																																																																																																					
AGBUS 232	3																																																																																																																					
AGTEC 220	3																																																																																																																					
AGTEC 240	3																																																																																																																					
HORT 252	4																																																																																																																					
HORT 287R	1																																																																																																																					
HORT 290	1-3																																																																																																																					
HORT 311	2																																																																																																																					
HORT 319	3																																																																																																																					
HORT 321	2																																																																																																																					
HORT 329	2																																																																																																																					
HORT 330	3																																																																																																																					
HORT 334	3																																																																																																																					
HORT 339R	1																																																																																																																					
HORT 351	2																																																																																																																					
HORT 410	3																																																																																																																					
HORT 420	3																																																																																																																					
HORT 440	2																																																																																																																					
HORT 453	3																																																																																																																					
HORT 455	2																																																																																																																					
HORT 461	2																																																																																																																					
HORT 470	2																																																																																																																					
	5																																																																																																																					
HORT 290	1-3																																																																																																																					
	1																																																																																																																					
HORT 338	1-2																																																																																																																					
	3																																																																																																																					

**Total Major Credits=55**

**This major also requires a minor or 2 clusters**

This major is available on the following tracks:

Fall-Winter---- YES

Winter-Spring---- YES

Spring-Fall---- NO

### BS in Horticulture Landscape Management Emphasis (695-34)

Take required Foundations courses

#### Major Requirements

*No Double Counting of Major Courses*

<p><i>Take these courses:</i></p> <table style="width: 100%; border-collapse: collapse;"> <tr><td>AGRON 220</td><td style="text-align: right;">3</td></tr> <tr><td>AGRON 220L</td><td style="text-align: right;">1</td></tr> <tr><td>HORT 201</td><td style="text-align: right;">3</td></tr> <tr><td>HORT 230</td><td style="text-align: right;">3</td></tr> <tr><td>HORT 288</td><td style="text-align: right;">0.5</td></tr> <tr><td>HORT 297</td><td style="text-align: right;">1</td></tr> <tr><td>HORT 320</td><td style="text-align: right;">3</td></tr> <tr><td>HORT 322</td><td style="text-align: right;">2</td></tr> <tr><td>HORT 324</td><td style="text-align: right;">2</td></tr> <tr><td>HORT 335</td><td style="text-align: right;">3</td></tr> <tr><td>HORT 412</td><td style="text-align: right;">3</td></tr> <tr><td style="border-top: 1px solid black;"></td><td style="text-align: right; border-top: 1px solid black;">24.5</td></tr> </table> <p><i>Repeat 3 times:</i></p> <table style="width: 100%; border-collapse: collapse;"> <tr><td>HORT 299</td><td style="text-align: right;">0.5</td></tr> <tr><td style="border-top: 1px solid black;"></td><td style="text-align: right; border-top: 1px solid black;">1.5</td></tr> </table> <p><i>Take this course for 1 credit:</i></p> <table style="width: 100%; border-collapse: collapse;"> <tr><td>HORT 298R</td><td style="text-align: right;">1-5</td></tr> <tr><td style="border-top: 1px solid black;"></td><td style="text-align: right; border-top: 1px solid black;">1</td></tr> </table>	AGRON 220	3	AGRON 220L	1	HORT 201	3	HORT 230	3	HORT 288	0.5	HORT 297	1	HORT 320	3	HORT 322	2	HORT 324	2	HORT 335	3	HORT 412	3		24.5	HORT 299	0.5		1.5	HORT 298R	1-5		1	<p><i>Take these courses:</i></p> <table style="width: 100%; border-collapse: collapse;"> <tr><td>AGTEC 220</td><td style="text-align: right;">3</td></tr> <tr><td>HORT 252</td><td style="text-align: right;">4</td></tr> <tr><td>HORT 311</td><td style="text-align: right;">2</td></tr> <tr><td>HORT 319</td><td style="text-align: right;">3</td></tr> <tr><td>HORT 321</td><td style="text-align: right;">2</td></tr> <tr><td>HORT 329</td><td style="text-align: right;">2</td></tr> <tr><td>HORT 351</td><td style="text-align: right;">2</td></tr> <tr><td>HORT 410</td><td style="text-align: right;">3</td></tr> <tr><td style="border-top: 1px solid black;"></td><td style="text-align: right; border-top: 1px solid black;">21</td></tr> </table> <p><i>Repeat 8 times:</i> <i>(Must be taken each semester)</i></p> <table style="width: 100%; border-collapse: collapse;"> <tr><td>HORT 095</td><td style="text-align: right;">0</td></tr> <tr><td style="border-top: 1px solid black;"></td><td style="text-align: right; border-top: 1px solid black;">0</td></tr> </table>	AGTEC 220	3	HORT 252	4	HORT 311	2	HORT 319	3	HORT 321	2	HORT 329	2	HORT 351	2	HORT 410	3		21	HORT 095	0		0	<p><i>Take 7 credits:</i></p> <table style="width: 100%; border-collapse: collapse;"> <tr><td>AGBUS 232</td><td style="text-align: right;">3</td></tr> <tr><td>HORT 290</td><td style="text-align: right;">1-3</td></tr> <tr><td>HORT 325</td><td style="text-align: right;">2</td></tr> <tr><td>HORT 330</td><td style="text-align: right;">3</td></tr> <tr><td>HORT 334</td><td style="text-align: right;">3</td></tr> <tr><td>HORT 336</td><td style="text-align: right;">1</td></tr> <tr><td>HORT 337</td><td style="text-align: right;">1</td></tr> <tr><td>HORT 338</td><td style="text-align: right;">1-2</td></tr> <tr><td>HORT 338A</td><td style="text-align: right;">2</td></tr> <tr><td>HORT 350R</td><td style="text-align: right;">1</td></tr> <tr><td>HORT 420</td><td style="text-align: right;">3</td></tr> <tr><td>HORT 440</td><td style="text-align: right;">2</td></tr> <tr><td>HORT 453</td><td style="text-align: right;">3</td></tr> <tr><td>HORT 455</td><td style="text-align: right;">2</td></tr> <tr><td>HORT 460</td><td style="text-align: right;">2</td></tr> <tr><td>HORT 461</td><td style="text-align: right;">2</td></tr> <tr><td>HORT 470</td><td style="text-align: right;">2</td></tr> <tr><td style="border-top: 1px solid black;"></td><td style="text-align: right; border-top: 1px solid black;">7</td></tr> </table>	AGBUS 232	3	HORT 290	1-3	HORT 325	2	HORT 330	3	HORT 334	3	HORT 336	1	HORT 337	1	HORT 338	1-2	HORT 338A	2	HORT 350R	1	HORT 420	3	HORT 440	2	HORT 453	3	HORT 455	2	HORT 460	2	HORT 461	2	HORT 470	2		7	<p><i>Program Notes:</i></p>
AGRON 220	3																																																																																												
AGRON 220L	1																																																																																												
HORT 201	3																																																																																												
HORT 230	3																																																																																												
HORT 288	0.5																																																																																												
HORT 297	1																																																																																												
HORT 320	3																																																																																												
HORT 322	2																																																																																												
HORT 324	2																																																																																												
HORT 335	3																																																																																												
HORT 412	3																																																																																												
	24.5																																																																																												
HORT 299	0.5																																																																																												
	1.5																																																																																												
HORT 298R	1-5																																																																																												
	1																																																																																												
AGTEC 220	3																																																																																												
HORT 252	4																																																																																												
HORT 311	2																																																																																												
HORT 319	3																																																																																												
HORT 321	2																																																																																												
HORT 329	2																																																																																												
HORT 351	2																																																																																												
HORT 410	3																																																																																												
	21																																																																																												
HORT 095	0																																																																																												
	0																																																																																												
AGBUS 232	3																																																																																												
HORT 290	1-3																																																																																												
HORT 325	2																																																																																												
HORT 330	3																																																																																												
HORT 334	3																																																																																												
HORT 336	1																																																																																												
HORT 337	1																																																																																												
HORT 338	1-2																																																																																												
HORT 338A	2																																																																																												
HORT 350R	1																																																																																												
HORT 420	3																																																																																												
HORT 440	2																																																																																												
HORT 453	3																																																																																												
HORT 455	2																																																																																												
HORT 460	2																																																																																												
HORT 461	2																																																																																												
HORT 470	2																																																																																												
	7																																																																																												

**Total Major Credits=55**

**This major also requires a minor or 2 clusters**

This major is available on the following tracks:

Fall-Winter---- YES

Winter-Spring---- YES

Spring-Fall---- NO

# Horticulture

Brigham Young University–Idaho 2008-2009

## Course Descriptions

## Credits\*

<b>HORT 095 Lab</b>	<b>(0:1:0)</b>
Fee: \$40.00	
This is a fee only course. No credit or class time is assigned. This is required for all students enrolled in Horticulture classes each semester. (Fall, Winter, Spring)	
<b>HORT 103 Home Gardening</b>	<b>(3:2:2)</b>
Fee: \$10.00	
Prerequisite: Concurrent enrollment in Hort 095.	
Learn basic principles, culture and production of vegetables, fruits, flowers, trees, shrubs, and turf, as it relates to the home garden and self-reliance. (For non-Hort majors only) This course includes a lecture and lab experience. (Fall, Spring)	
<b>HORT 115 Orientation</b>	<b>(0.5:1:0)</b>
Prerequisite: Concurrent enrollment in Hort 095.	
A survey of career opportunities and skills needed in the horticulture industry. Emphasis is placed on gaining familiarity with the BYU-Idaho campus and systems of learning at the university level. (Fall)	
<b>HORT 201 Plant Culture</b>	<b>(3:2:3)</b>
Fee: \$75	
Prerequisite: Concurrent enrollment in Hort 095.	
Planting and establishment of horticultural plants in the landscape including lawns, trees, shrubs, vegetables, fruits and flowers. (Fall, Spring)	
<b>HORT 230 Introduction to Architecture/Landscape Design</b>	<b>(3:3:1)</b>
Fulfills GE Arts requirement.	
Fee: \$10.00	
Prerequisite: Concurrent enrollment in Hort 095.	
Enhances the student's understanding of the outdoor environment and how they can contribute to the quality of that environment through design and planning. Also a study of the history of landscape architecture and its effect on man. (Fall, Winter, Spring)	
<b>HORT 252 Landscape Construction</b>	<b>(4:3:4)</b>
Prerequisite: Hort 230, LHM major or consent of instructor. Concurrent enrollment in Hort 095.	
A practical course of layout and construction techniques for landscape projects. Considered are masonry, wood structures, irrigation and plant installations. (Fall, Spring)	
<b>HORT 287R Flower Center</b>	<b>(1:0:2)</b>
Prerequisite: Hort 335, Concurrent enrollment in Hort 095.	
This course provides training and experience in presentation of flowers in: display windows and coolers, large banquet halls, auditoriums, custom design in residential and commercial settings. Florals skills, shop management techniques, and floral nomenclature are all emphasized. The class is provided as an opportunity to reinforce principles learned in the various floral classes, and to prepare students for internship and retail employment. (Fall, Winter, Spring)	
<b>HORT 288 Occupational Internship Preparation</b>	<b>(0.5:1:0)</b>
Prerequisite: Concurrent enrollment in Hort 095, Hort 201, and 13 additional Hort credit.	
Need course description (Winter, Spring)	
<b>HORT 290 Special Problems</b>	<b>(1-3:0:0)</b>
Prerequisite: Consent of Instructor, Concurrent enrollment in Hort 095.	
The student may pursue a subject of interest through independent study under personal direction of a faculty specialist. (Fall, Winter, Spring)	

<b>HORT 297 Practicum in Horticulture</b>	<b>(1:1:2)</b>
Prerequisite: Concurrent enrollment in Hort 095. Hort majors only.	
Horticulture Majors. Supervised practical experience for the development and improvement of horticultural skills. Repeatable up to 4 times. (Fall, Winter, Spring)	
<b>HORT 298R Occupational Internship</b>	<b>(1:5:0:0)</b>
Prerequisite: Hort 201, 13 additional credits in horticulture.	
Work experience in the florist, landscape or nursery industry. (Fall, Winter, Spring)	
<b>HORT 299 Seminar</b>	<b>(0.5:1:0)</b>
Prerequisite: Concurrent enrollment in Hort 095.	
Guest lectures from industry leaders. (Fall, Winter, Spring)	
<b>HORT 311 Introduction to Arboriculture</b>	<b>(2:1:2)</b>
Prerequisite: Concurrent enrollment in Hort 095.	
Establishment, culture and maintenance of trees and shrubs in the landscape. (Fall, Spring)	
<b>HORT 319 Landscape Management</b>	<b>(3:2:3)</b>
Prerequisite: Hort 201 and concurrent enrollment in Hort 095.	
Maintenance of trees, shrubs and turf in landscape, park, golf and athletic areas. (Fall, Spring)	
<b>HORT 320 Plant Propagation</b>	<b>(3:2:3)</b>
Prerequisite: Hort 201 and concurrent enrollment in Hort 095.	
Principles and practices used in commercial propagation of plants with emphasis on landscape nursery stock. Includes tissue culture, seed germination, grafting, layering, budding, cuttings and other specialized techniques. (Fall, Winter)	
<b>HORT 321 Deciduous Plant Identification</b>	<b>(2:1:2)</b>
Prerequisite: Concurrent enrollment in Hort 095.	
Identification, landscape value and cultural requirements of deciduous trees, shrubs, and ground covers. (Fall, Spring)	
<b>HORT 322 Evergreen Plant Identification</b>	<b>(2:1:2)</b>
Prerequisite: Concurrent enrollment in Hort 095.	
Identification, landscape value, and special cultural requirements of evergreen trees, shrubs and ground covers. This course includes a lecture and lab experience. (Fall, Spring)	
<b>HORT 324 Flower Identification</b>	<b>(2:1:2)</b>
Prerequisite: Concurrent enrollment in Hort 095.	
Identification, landscape value, and special cultural requirements of annual and perennial flowers. (Fall, Spring)	
<b>HORT 325 Interiorscaping</b>	<b>(2:1:2)</b>
Prerequisite: Concurrent enrollment in Hort 095.	
Identification of indoor plants and their culture. Principles of design as applied to the placement and use of plants. This course includes a lecture and lab experience. (Fall, Spring)	
<b>HORT 329 Irrigation</b>	<b>(2:1:2)</b>
Prerequisite: Hort 230 and concurrent enrollment in Hort 095.	
Irrigation of turf and landscape plants. Design of irrigation and landscape lighting systems, with selection and assembly of components. (Winter)	
<b>HORT 330 Intermediate Landscape Design</b>	<b>(3:3:1)</b>
Prerequisite: Hort 230 and concurrent enrollment in Hort 095.	
Artistic and functional design of landscapes. (Winter)	
<b>HORT 334 Greenhouse Operations</b>	<b>(3:2:3)</b>
Prerequisite: Hort 320 and concurrent enrollment in Hort 095.	
Greenhouse construction, environmental control, pest control and plant culture including production of greenhouse floral crops. (Fall, Spring)	

# Horticulture

Brigham Young University–Idaho 2008-2009

<b>HORT 335 Flower Arranging</b> Fee: \$45.00 Prerequisite: Concurrent enrollment in Hort 095. Instruction and care in handling of flowers, historical and current application, identification and use. (Fall, Winter, Spring)	<b>(3:3:1)</b>	<b>HORT 375 Floriculture Applications</b> Prerequisite: Hort 320 and concurrent enrollment in Hort 095. Case Studies of plant growth in relation to the floriculture industry with emphasis on the physiological interactions of plant growth resulting from fertilization, plant growth regulators, growing structures, irrigation and container media. (Fall, Spring)	<b>(1:1:0)</b>
<b>HORT 336 Asian Design Influence</b> Prerequisite: Hort 335, concurrent enrollment in Hort 095 and concurrent enrollment in Hort 337. This course helps students understand the theories of Asian design influence, with particular emphasis on the use of line. Principles of Asian design and their influence on modern American floral design. (Winter)	<b>(1:1:1)</b>	<b>HORT 410 Turfgrass Management</b> Prerequisite: Concurrent enrollment in Hort 095, Hort 319. Establishment, culture, and maintenance of turf grass and trees in the landscape. (Fall/Spring Alternating Semesters)	<b>(3:2:3)</b>
<b>HORT 337 European Design Influence</b> Prerequisite: Hort 335, concurrent enrollment in Hort 095 and concurrent enrollment in Hort 336. This course establishes a historical understanding of floral design primarily from the influences of Europe. (Winter)	<b>(1:1:1)</b>	<b>HORT 412 Landscape Pest Control</b> Prerequisite: Concurrent enrollment in Hort 095. Identification and control of insects, weeds and diseases of ornamental plants. The use, limitation and methods of applying pesticides including laws concerning their use. (Fall, Spring)	<b>(3:2:3)</b>
<b>HORT 338 Wedding Flowers</b> Prerequisite: Hort 335 (or concurrent enrollment) and concurrent enrollment in Hort 095. Theories, methods and materials involved in wedding and special occasion arrangements in preparation for the Spring Flower and Bridal Open House.  To prepare floral majors for opportunities to plan and design floral products for weddings.  Repeatable to a maximum of six credit hours. (Winter)	<b>(1-2:1:0)</b>	<b>HORT 420 Advanced Propagation</b> Prerequisite: Hort 320. Concurrent enrollment with Hort 412 Advanced study of the principles, techniques, and applications of plant propagation with emphasis on tissue culture and micropropagation. (Winter)	<b>(3:2:3)</b>
<b>HORT 338A Wedding Flowers Lab A</b> Prerequisite: Hort 335 (or concurrent enrollment) and concurrent enrollment in Hort 095. Provides the first year student with an understanding of the requirements for wedding and event designing. Basic bouquet construction, consultation. (Winter)	<b>(2:1:1)</b>	<b>HORT 435 Advanced Floral Design</b> Prerequisite: Hort 298R, Hort 335, and concurrent enrollment in Hort 095. Professional floral design with emphasis on retail flower shop operation, products, and materials. Particular attention is given to developing speed, proficiency, and quality after students have completed a floral internship experience. (Winter)	<b>(3:2:2)</b>
<b>HORT 338B Wedding Flowers Lab B</b> Prerequisite: Hort 338A and concurrent enrollment in Hort 095. Provides the second year student with training in advanced bouquet construction, leadership, teambuilding, and management of event planning. (Winter)	<b>(2:1:1)</b>	<b>HORT 436 Competition Design and Commentation</b> Fee: \$20.00 Prerequisite: Hort 336, 337, 338, 435, Hort majors only. Concurrent enrollment in Hort 437 and Hort 095. Developing freestyle and structured designs from various materials for competitive designing and judging. (Winter)	<b>(1:1:1)</b>
<b>HORT 338C Wedding Flowers Lab C</b> Prerequisite: Hort 338B and concurrent enrollment in Hort 095. Provides the third year student with training in freestyle bouquet design, group designing for events, supervisory leadership. (Winter)	<b>(2:2:0)</b>	<b>HORT 437 Interpretive Design</b> Fee: \$20.00 Prerequisite: Hort 336, 337, 338, 435, Hort majors only. Concurrent enrollment in Hort 095 and Hort 436. Final evaluation of the student's ability to assess proper design interpretations, artistic dimensions of the student's preparation and training, fluency with the language of flowers, and product knowledge. (Winter)	<b>(1:1:1)</b>
<b>HORT 339R Floral Portfolio</b> Fee: \$20.00 Prerequisite: Hort 335 or concurrent enrollment. Concurrent enrollment in Hort 095. Hort majors only Floral Portfolio is a course to help students develop a personal portfolio of their floral design skills. Students are taught to evaluate their skills, document them with digital photography, and present them to potential employers. (Fall, Winter, Spring)	<b>(1:1:1)</b>	<b>HORT 440 Landscape Computer Operations</b> Prerequisite: Hort 321 OR Hort 322, Hort 330 or concurrent enrollment. Concurrent enrollment in Hort 095. Application of specific computer software programs that are commonly used in the horticulture industry; including sprinkler design, landscape design, bidding and estimating, GPS, and the internet. (Winter)	<b>(2:1:2)</b>
<b>HORT 350R ALCA Career Days</b> Prerequisite: Concurrent enrollment in Hort 095. This is a course for students selected to participate in the yearly ALCA Career Days field excursion with the Horticulture Department. The course is designed to assist students with their preparations to communicate with potential employers during the career day events. Students also are given special attention in perfecting practical skills that they have been taught throughout their tenure at the University. (Winter)	<b>(1:1:0)</b>	<b>HORT 453 Land Construction Material</b> Prerequisite: Hort 330 or concurrent enrollment and concurrent enrollment in Hort 095. A study of the construction and design use of typical landscape construction materials; including pavers, concrete, wood, and rock. (Winter)	<b>(3:2:2)</b>
<b>HORT 351 Landscape Contracting</b> Prerequisite: Hort 230. Concurrent enrollment in Hort 095. Estimating, bidding, and contracting procedures for landscape construction, and maintenance projects.  A hands-on approach to bidding and estimating jobs for the Green Industry. (Winter)	<b>(2:1:2)</b>	<b>HORT 455 Nursery Management</b> Prerequisite: Hort 320 and concurrent enrollment in Hort 095. This course will focus on the development, organization, infrastructure, and operation of a production nursery. This will cover production principles and practices and strategies for wholesale and retail marketing of nursery crops. The laboratory will concentrate on the development of skills associated with the production and marketing of nursery crops. (Winter)	<b>(2:1:2)</b>

## Horticulture

Brigham Young University-Idaho 2008-2009

---

### **HORT 460 Cut Flower Crops**

**(2:1:2)**

Prerequisite: Hort 320 and concurrent enrollment in Hort 095.

Commercial production, harvesting, marketing and scheduling of cut flower and crops.  
(Winter)

### **HORT 461 Potted Plants**

**(2:1:2)**

Prerequisite: Hort 320 and concurrent enrollment in Hort 095.

Commercial production, harvesting, marketing, and scheduling of bedding plants and potted commercial crops.  
(Winter)

### **HORT 470 Landscaping with Vegetables and Fruit**

**(2:1:2)**

Prerequisite: Hort 320 and concurrent enrollment in Hort 095.

Principles and practical applications for fruit and vegetable establishment, culture, production, storage, and economics.  
(Winter)