



**COLLEGE of AGRICULTURAL
SCIENCES and NATURAL RESOURCES
OKLAHOMA STATE UNIVERSITY, STILLWATER**

Updated November 2008

Oklahoma State University - College of Agriculture
DEPARTMENT OF HORTICULTURE AND LANDSCAPE ARCHITECTURE
358 Ag. Hall, (405) 744-5414

Faculty Member	Degree	Specialization	Ag Hall Office	Campus Phone 744-
Dr. Dale Maronek	Ph.D.	Professor and Head	358	5415
Jeffrey Anderson*	Ph.D.	Stress Physiology Research and Teaching email: jeff.anderson@okstate.edu	341	5422
Lou Anella*	Ph.D.	Woody Ornamentals Teaching email: lou.anella@okstate.edu	355	6593
Greg Bell*	Ph.D.	Turfgrass Physiology Research and Teaching email: greg.bell@okstate.edu	355B	6424
Lynn Brandenberger	Ph.D.	Vegetable Crops Extension and Research email: lynn.brandenberger@okstate.edu	339	5408
Janet Cole*	Ph.D.	Ornamental Horticulture Research and Teaching email: janet.cole@okstate.edu	356A	5770
Bruce Dunn	Ph.D.	Herbaceous Ornamental Teaching & Research email: bruce.dunn@okstate.edu	342	6462
David Hillock	M.S.	Consumer Horticulture Extension email: david.hillock@okstate.edu	541	5158
Michael Holmes	MLA	Landscape Architecture Teaching email: michael.holmes@okstate.edu	345	7333
Paul Hsu*	MLA	Landscape Architecture Teaching email: paul.hsu@okstate.edu	344	5421
Brian A. Kahn*	Ph.D.	Vegetable Production Research & Teaching email: brian.kahn@okstate.edu	355A	7585
Charles L. Leider*	Ph.D.	Landscape Architecture Director and Teaching email: charles.leider@okstate.edu	347	5420

Faculty Member	Degree	Ag Hall Specialization	Campus Office	Phone 744-
Niels Maness*	Ph.D.	Postharvest Physiology Research and Teaching email: niels.maness@okstate.edu	337	5423
Dennis Martin	Ph.D.	Turfgrass Management Extension & Research email: dennis.l.martin@okstate.edu	356	5419
William McGlynn	Ph.D.	Horticulture Production Processing email: mcglynn@okstate.edu	112 FAPC	7573
Justin Moss	Ph.D.	Turfgrass Research & Extension email: mcglynn@okstate.edu	336	5729
Kim Rebek	M.S.	Consumer Horticulture Extension email: krebek@okstate.edu	539	5404
John Ritter*	MLA	Landscape Architecture Teaching email: john.r.ritter@okstate.edu	345A	7382
Warren Roberts	Ph.D.	Vegetable Crops Research & Extension email: wroberts@lane-ag.org	WWAREC	
Mike Schnelle	Ph.D.	Ornamental Hort/ Floriculture, Extension email: mike.schnelle@okstate.edu	438	7361
Michael W. Smith*	Ph.D.	Pecan and Tree Fruit Research and Teaching email: mike.smith@okstate.edu	338	6463
Eric T. Stafne	Ph.D.	Fruit Crops Research & Extension email: eric.t.stafne@okstate.edu	340	5409
<u>Emeritus Faculty</u>				
Ray Campbell	Ph.D.	Ornamental		
Dean McCraw	PhD	Pecans/Grapes		
James E. Motes	Ph.D.	Vegetable Crops		
Richard Payne	Ph.D.	Floriculture		
Glenn G. Taylor	Ph.D.	Pecans		

*Serves as an undergraduate advisor

Updated 10/08/2008

INTRODUCTION

Horticulture covers a wide range of crops and disciplines. One can be involved in plant production, marketing, research, teaching, therapy, extension and landscape design and still be a horticulturist. At the same time one can be involved in Botany, Ag Engineering, Plant Physiology, Genetics, Entomology, Plant Pathology, and other disciplines and still be involved in horticulture.

Closely associated with horticulture is landscape architecture. Landscape architecture can be defined as "the art of designing, planning, and managing the environment". Landscape Architects "create" open spaces through the arrangement of natural and manmade elements (such as trees and sidewalks). They also preserve open spaces and manage our natural resources through the preparation of land-use plans.

Landscape Architects perform their professional services by providing drawings, plans, studies, and consultation to clients for pre-determined fees. The Landscape Architect must be trained in design, communication, graphic, and technical skills and in plant sciences. The unique services of the Landscape Architect provide an endless variety of employment opportunities, ranging from small private design offices to public agencies as large as the National Park Service. The profession, although still relatively young, is growing fast and is considered to be a leading design discipline for the future.

In these majors involvement ranges from commercial food production and turf management to home gardens and from flower production to landscape architecture. You are here to learn why plants grow the way they do, the proper and best use of plants and plant products, and the cultural methods and technology associated with their production.

Oklahoma offers a variety of plants to study. More plants are native to this state than are native to Western Europe. Oklahoma has a significant horticultural industry represented by nurseries, pecan groves, processing and fresh market vegetables, berries, grapes, tree fruits, sod farms and greenhouse flower and vegetable production. Hopefully, you will become familiar with many of these industries and will gain an appreciation for the commercial as well as the personal aspects of horticulture.

Undergraduate upperclassmen may be given the opportunity for involvement in independent research or special problem studies with the research faculty. Research is often the link between student, professor, university, and industry which has led many OSU graduates into meaningful employment and to advanced studies.

ADVISING AND STUDENT RESPONSIBILITIES

Students enrolling in the Department for the first time will be assigned an advisor who is familiar with the student's area of study. The advisor plays an important role in your schooling experiences. This is the person you should contact regarding your plans, including any changes you want to make in your program. You must obtain clearance from your advisor in order to enroll, to add or drop courses, and to graduate. Your advisor can significantly influence your program of study, your progress towards a degree, and your future after graduation.

Students are responsible for initiating and maintaining contact with their advisor. The best way to do this is by contacting your advisor on the telephone and making an appointment. This will help the advisor to plan his or her schedule, and will provide an opportunity to prepare for the meeting. It will be to your advantage to keep your advisor informed about your activities and plans, including your availability for internships and other experiences. Frequent short conferences with your advisor usually are better than one long conference. Advisors are full-time faculty members, and advising is only one of their many responsibilities. Therefore, when a conference has been scheduled, keep your appointment or let your advisor know ahead of time if you will be unable to attend.

Consultation with your advisor about course substitutions, adding and dropping, and similar matters is essential. A wrong substitution could result in an extra semester being required for graduation.

Transfer students with certain Associate of Science or Associate of Arts degrees are considered to have met the basic general education requirements at OSU; however, specific college and departmental course requirements may remain. Students with any other Associates degree (such as Associate of Applied Science) are not exempt from the general education requirements.

Students are responsible for becoming familiar with the standards for retention as set forth by the Oklahoma State Regents for Higher Education. Any student not maintaining satisfactory progress toward his/her study objective (as defined by the Regents) will be placed on probation for one semester. At the end of that semester, a student who still does not meet the standards for retention will be suspended from the University.

Although each student has an advisor, the responsibility for completion of all the graduation requirements lies with the student.

REQUIREMENTS FOR GRADUATION

The requirements for graduation are regulated at 3 levels: University, College and Department. The order of authority is also the same, University regulations take precedent over College and Department policies and College policies take precedent over the Department.

Some of the requirements for graduation are listed below. Each student should refer to the Oklahoma State University Catalog for a complete review of all the requirements for graduation.

General Education and University Requirements:

General Education will require 40 hours.

1. English: 6 hours must be in English (ENGL 1113 & 1213). If an A or B is earned in ENGL 1113 then ENGL 1413 or 3323 may be substituted for ENGL 1213.
2. Three hours each of American History (HIST 1103) and Government (POLS 1113).

3. Twenty-eight (28) hours which must include at least six hours in the following four areas: social and behavioral sciences, humanities, natural science, abstract and quantitative thought.
4. International dimension and scientific investigation and diversity. Three (3) hours in courses approved as having an international dimension and three (3) hours in courses approved as having an investigative laboratory and three (3) hours in courses approved as providing education in human diversity. These courses can also be used to satisfy other requirements in the degree program.

Other University Requirements:

5. Candidate for graduation must be enrolled in the College from which they are to receive their degree for at least two semesters or three summer terms immediately preceding graduation. See the OSU Catalog for residency requirements.
6. In special cases, a course of similar subject matter may be substituted for a required course. Substitutions must have the signature of the Advisor, Department Head and Dean.
7. In certain situations courses may be waived. This does not reduce the number of credits required for graduation and no more than 6 credit hours may be waived. Signatures of Advisor, Department Head and Dean are required.
8. All candidates for a degree are encouraged to attend the commencement exercises, however, attendance is not mandatory. If you do not attend, be certain to notify the Registrars Office of the address where the diploma should be mailed.
9. **TRANSFER STUDENTS:**

From Other Universities

Full credit for similar courses will be given whenever possible but the amount of credit given for courses may not exceed the amount given at OSU for the same length of time of instruction. A student may not transfer more than one-half of the major course requirements without approval of Department Head and Academic Dean. The student must be enrolled at OSU the last two semesters or last three summer terms.

From Junior Colleges

A maximum of 60 Junior College credits can be applied toward the lower division requirements at OSU for degrees totaling 120 credits.

A minimum of 60 credit hours must be earned at a senior college.

A minimum of one-half of the upper division requirements in your major must be earned in residence at OSU.

10. SECOND BACHELORS DEGREE

A student who receives a baccalaureate degree from OSU may use all applicable courses toward a second baccalaureate degree. A minimum of 30 semester credit hours of additional work, including all requirements of the second baccalaureate degree, is required.

College of Agriculture Requirements

1. A maximum of 10 credits from Military Science will count toward the B.S. degree.
2. Math 0123 hours will not count in the total hours required for graduation.
3. A minimum of 90 or more credit hours of "C" grades or higher.
4. Total grade points equal to twice the number of hours required for graduation.
5. A minimum of 40 semester credits and 100 grade points in courses numbered 3000 or above. A 2.00 GPA or higher in upper-division hours.

Department of Horticulture and Landscape Architecture Requirements:

Course requirements, number of credit hours of lower and upper division courses needed, and electives allowed, will vary with the option and the students choices. Copies of the options in the Department are included. These option sheets are valid only for students who are Horticulture and Landscape Architecture majors during the year listed on the sheet. You will find copies of the following option sheets in the index. They are:

Horticultural Business
Horticultural Science
Landscape Architecture
Landscape Contracting
Public Horticulture
Turf Management

In this booklet you will also find guidelines to help you determine the sequence in which you can take all the courses required for graduation.

CLASS DESIGNATION

Student class designation is based on the number of semester credit hours completed. Class rankings are as follows:

0-27 hours-----Freshman

28-59 hours-----Sophomore

60-93 hours-----Junior

94+ hours-----Senior

1000 level courses are normally considered freshman classes, 2000 level as those for sophomores, etc. Where no prerequisites are listed for courses numbered 3000 or above it is understood that the prerequisite is 60 credit hours of work completed or 45 credit hours completed with a GPA of 3.25.

ENROLLMENT

Students who enroll for 12 or more credit hours are classified as a full time student. There is also a maximum number (19 credit hours) of hours for which one can enroll. All hours above 19 will be regarded as excessive and in order to enroll for more than 19 credit hours you will need a written petition to the Registrar signed by your advisor and Dean.

The enrollment process starts with payment of your registration fee in the Bursar's Office at the Student Union. From there proceed to 136 Ag Hall and pick up a Trial Study form and then go to room 360 Ag Hall. The enrollment process will be completed in the Student Union.

Once you have enrolled, should you decide to withdraw from a course or the University be sure to follow proper drop procedures--otherwise you will receive a semester of F(s) which will follow you throughout your academic life. A college student should never just stop attending class. Dropping a course begins with your advisor. Withdrawal from the University begins with the Dean in 136 Ag Hall.

PAYMENT OF TUITION

Students are billed for tuition and other fees approximately three weeks after classes begin. Payment is due in the Bursar's Office no later than the fifth week of classes. If you do not receive a fee statement, you should contact the Bursar's Office before the deadline. If you can not pay on time, contact the Bursar for an extension. Otherwise you will not be allowed to attend class.

ADVANCED STANDING EXAMINATION

Students who are proficient in certain subject areas should consider establishing college credit through advanced standing examinations. College credit can be obtained in such introductory courses as English Comp. 1113, College Algebra (Math 1513), Trigonometry (Math 1613), etc.

The examinations are equivalent to the final examinations given in the college courses, and are offered each month at test centers of which OSU is one. A fee is charged for each exam.

College credit for the courses is awarded to those who pass the examinations for particular subjects, not the general examination. Interested students should contact the University Testing and Evaluation Service at North Murray Hall. Information is also available in the Agriculture Dean's office (136 Ag. Hall).

HONORS PROGRAM

The purpose of the Honors Program at OSU is to provide an opportunity for qualified students to achieve at the maximum of their capabilities.

Participation in the Honors Program is voluntary for the student and the faculty. Your participation in the Honors program will be so noted on your transcript.

Information about this program in Agriculture can be obtained from the College of Agriculture Honors Representative in the Dean's Office (136 Ag. Hall).

GOAL & OBJECTIVES OF THE LANDSCAPE ARCHITECTURE PROGRAM

The unique role of the university arises from the interrelationship of instruction, research, and public-service functions which are interdependent, mutually supportive, and central to the land-grant character of the institution. Instruction is conducted in both the liberal and practical

arts to develop responsible citizens and to provide the professional and technical skills needed within the state and the larger society. Public service programs deliver the results of research and creative work to the people of Oklahoma and to many beyond its borders.

Goal: Develop a premier Landscape Architecture program in the Southwest.

Objectives:

1. Provide a setting conducive to and necessary for the continued growth of the Landscape Architecture program
2. Prepare the undergraduate student for a range of professional career roles in private practice or public service of Landscape Architecture by teaching basic landscape architectural knowledge and problem solving skills.
3. Broaden the students' viewpoint, to exercise and develop their thought processes and encourage individual interest and development by utilizing University resources to provide a spectrum of general education courses, technical courses and exposure to other professions.
4. Encourage and assist the students in developing a professional ethic and personal philosophy to guide them in the application of their skills and knowledge of Landscape Architecture.
5. Provide the student with the intellectual means of identifying and assessing the interactions among the social, political, natural resource, and aesthetic issues associated with human habitats and land use.
6. Expose the student to a broad array of design and planning opportunities from which to experience and evaluate a variety of social, political, natural resource, and aesthetic issues affecting human habitats and land use.
7. Advocate the creation of new space on campus, preferably the Dairy Science Building, which is more conducive to the teaching of design.
8. Provide educational programming on landscape architecture to promote the revitalization of Oklahoma. (Division of Agricultural Science and Natural Resources Strategic Plan, pg. 16)
9. Provide opportunities to develop and express an independent theory of design through verbal debates, technical writing, and graphic delineations.

In meeting these objectives, the Landscape Architecture program offers a university education with a professional major in Landscape Architecture, through an accredited program by the American Society of Landscape Architects Accreditation Board (LAAB).

The curriculum presents a broad base and avoids concentration upon a particular subject

area of Landscape Architecture. Neither the faculty nor administration promote any one attitude of what Landscape Architecture and the allied environmental arts and sciences are or should be. The program is designed to emphasize problem solving processes relative to the practice of Landscape Architecture and encourages exposure to as many viewpoints as possible through faculty members, interdepartmental projects, visiting professionals, university faculty and visiting professionals in other disciplines.

In summation, the program lays a comprehensive foundation for the Landscape Architecture undergraduate to enter into the profession. The foundation enables the student to make a positive contribution in professional work, upon graduation, as a Landscape Architecture Intern. The responsibility remains for graduates to utilize this base for further development of individual expertise and knowledge through work in the field and postgraduate studies to achieve an optimum level of professional ability.

OKLAHOMA STATE REGENTS' FOR HIGHER EDUCATION RETENTION STANDARDS

Refer to the OSU Catalog for the specifics on the latest retention standards. You should get a copy of the catalog when you enroll, or you may purchase a copy of the OSU Catalog from Central Mailing Services, Publishing and Printing East.

CAREER DEVELOPMENT AND PLACEMENT SERVICES

The College of Agriculture Career Development and Placement Center provides occupational information, informs students and alumni of job opportunities, and will arrange individual student interviews with representatives of business, industry and government. In addition, each Fall Semester an Ag Employment Forum is held. Representatives from business, industry, government, the Graduate School and the Ag Career Development Center discuss employment opportunities and procedures with interested students.

If you wish to use the University Placement services please register in 136 Ag Hall 9 months before you plan to pursue employment. Job vacancy lists are maintained by OSU in 360 Student Union, by the Ag College in 136 Ag Hall and in Horticulture and Landscape Architecture in Ag Hall 360. Placement services include helping you prepare a resume.

The job vacancy bulletin board just outside 360 Ag Hall includes part- time as well as full-time employment opportunity listings. For more information on a listing see the secretary in 360 Ag Hall.

INTERNSHIPS

Work experiences with the various businesses in your option (with college credit via HORT 2010 or LA 3010) are available to all students through an internship program. Credit can be given for both a summer internship and a fall or spring semester internship.

The employer is to pay you for your efforts and is to provide a variety of work experiences for you. The employer will also be involved in evaluation of your performance.

We encourage students to get this experience early in their college career. However, 24 or 45 credit hours are required prior to the internship depending on whether one enrolls in HORT 2010 or LA 3010.

Through this experience the student:

1. Becomes familiar with the businesses associated with their career choice
2. Becomes acquainted with people in the industry who may serve as future employers, and
3. Can determine if this is the type of employment he/she will seek following graduation.

An internship is required in all departmental majors except Landscape Architecture. We encourage all students to consider enrolling for an internship. A separate internship handbook is available containing additional information.

FINANCIAL AID

Certain students may be eligible for grant funds through the Financial Aid Office. A needs analysis form must be submitted. Forms are available in 110 Hanner Hall. College work-study programs are also handled by the Financial Aid Office. Call 405-744-6604 for more information. Note: Needs are filled on a first come first served basis.

Student Loans

Loans of various types are available to students. Information is provided through Financial Aid which is a part of Division of Student Affairs, 107 Hanner Hall. 405-744-6604

SCHOLARSHIPS

Departmental Scholarship Chairman - Dr. Dale Maronek, 358 Ag Hall, 744-5415.

R.S.V.P. - Notification to scholarship recipients is made by mail. At the bottom of the letters you will find the initials R.S.V.P. which means Reply Solicited Very Promptly or A.S.A.P. (as soon as possible). All these mean you should respond promptly to the notification and opportunity to meet your donor(s).

UNIVERSITY SCHOLARSHIPS

FULLBRIGHT: Amy Fair is the OSU Fullbright Program Adviser. In April or May, interested students should contact Amy, 744-5459, 076 Student Union. In mid-October applications are due for the following year. Because of the detailed application process, students must begin application a year in advance. Recipients of grants must have completed a B.A. or B.S. at the time the grant would go into effect.

TRUMAN: This scholarship (\$7,000 per year for four years) is for outstanding undergraduate students, one chosen from each state and fifty chosen at large. An applicant must be a junior (60 hours), a U.S. citizen, have at least a B average (3.0), and be interested in fields of study and/or career opportunities related to public service. University Scholarships will send a letter of explanation to Department Heads in early Fall, with complete applications due a month later. Selected nominees are called for on campus interviews, with a recommendation made to President Halligan by November 1 identifying OSU representatives for regional competition.

GOLDWATER: This scholarship (\$7,000 per year for two years) is for the applicant that meets the following requirements: 1.) applicant must pursue a career in mathematical, natural or political science; 2.) Junior (60 hours); 3.) 3.0 GPA or better. University Scholarships will send a letter of explanation to Department Heads in December. Selected nominees must be submitted to the Goldwater Foundation by early October. For more information contact Dr. Bob Graalman, 744-7313, 260 Student Union. **For more information on University Scholarships, contact Scholarships and Financial Aid Office. 119 Student Union, 744-6604.**

COLLEGE OF AGRICULTURE SCHOLARSHIPS

There are numerous financial awards available to all Agriculture majors. **One must have at least a 3.0 accumulative grade point average to be considered for these awards.**

Applications must be in the Dean's Office by early to mid-January each year. **Additional information and application forms are available via the web after November 15 at the following address: <http://www.casnr.com>** under Scholarships.

If you are applying for a College of Agriculture scholarship, you should also apply for a Department of Horticulture & Landscape Architecture scholarship. We will accept the College of Agriculture scholarship application form, in order to keep you from having to complete two forms.

INDUSTRY AND DEPARTMENTAL SCHOLARSHIPS

Scholarships and financial awards are available to Horticulture and Landscape Architecture students each year through the department. To be eligible for these scholarships, students must complete the one page departmental application. It can be found on the website (<http://www.hortla.okstate.edu/hortla/scholarship.htm>) or a hard copy can be obtained from 358 AGH. The website also contains a large list of other scholarships available from National, Industry and other organizations which require their own application be completed

Students must be enrolled for at least 12 credit hours. Most scholarships are awarded based on grade point average (3.0 or above preferred) but not all. Some are awarded based on financial need, effort put forth by students, and passing grades (2.0 or above). **The department encourages students to complete at least the departmental application as well as individual scholarships for which they qualify.**

HONOR SOCIETIES

There are several honor societies with membership open to all students including Horticulture and Landscape Architecture majors. One must be selected for membership in these organizations.

In most cases, membership is by invitation. Invitations are usually mailed early in the fall semester. When invited please tell your advisor. If you have a 3.5 GPA and receive no invitation also tell your advisor.

Examples of University Honor Societies

President's Council: Organized to recognize students with outstanding leadership capabilities and to develop and enhance their leadership potential; to develop and maintain understanding and cooperation in the University community; to encourage and advise outstanding high school students in the continuance of their academic achievement.

Honors Student Council: A council of Honor Students who are also members of the University Honors Program.

Phi Eta Sigma: National Honorary scholastic fraternity for freshmen with grade point averages of 3.5 or better.

Iota Kappa: National Honorary Society for sophomores. This society sponsors the Miss OSU Pageant. To apply you must be a full time student with 28 hours and 3.00 GPA and be active in student clubs.

Blue Key: National honorary leadership fraternity for junior and senior men.

Omicron Delta Kappa: National leadership honor society for junior, senior, graduate and faculty men and women. Must have a 3.0 GPA.

Order of Omega: National Honorary Society for Greek Sorority and fraternity members.

Phi Kappa Phi: National honor society for seniors and graduate students. The upper 10% of those graduating in each college are eligible.

Mortar Board: National honorary leadership society for junior, senior, graduate and faculty men and women.

Golden Key: National Honorary Society for leadership and academics. Junior and Senior students with a 3.4 GPA or above.

PROGRAMS AND ACTIVITIES FOR AGRICULTURE STUDENTS

Ag Roundup: Early each fall semester the Ag. Council sponsors an evening of fellowship to allow freshmen and transfer students to get acquainted with professors, each other, and organizations in the College of Agriculture.

Agriculture Queen Contest: Each agriculture organization can select a queen to represent them at various events. These queens are then entered in the Agriculture Queen Contest. An Agricultural Queen is selected each spring (along with two alternates) to represent Agriculture Students at special events during the next school year.

Agriculture Awards Banquet: This recognition banquet is the big event of the year for Agriculture students. It is held during the spring semester and includes all types of student recognitions, awards, and scholarships, as well as the crowning of the new Queen and presentation of the newly elected officers of ASA.

Ag Week: During the spring semester, this week features Agriculture Club displays, a queen contest, a barbecue and other activities for the students. The Ag Awards Banquet is held during Ag Week.

College of Agriculture Organizations

Alpha Zeta: A national Agricultural Honorary Fraternity established to:

1. Foster high standards of scholarship, character, leadership, and fellowship.
2. Strive for breadth of vision and unity of action in the accomplishment of goals.
3. Render service to agriculture students and the agricultural college of the University.
4. Promote the profession of agriculture.

To be eligible for membership, students must be majoring in a field of Agriculture, be in the upper two-fifths (2/5) of their class academically, and have completed at least one and one half (1 1/2) academic years of a four year college degree program. Students are selected from the scholastically eligible group on the basis of their leadership and service activities.

ALPHA ZETA, though honorary, is a active organization and requires your participation in a number of activities which serve the Ag student and faculty throughout the school year.

Membership in ALPHA ZETA is considered an honor.

Agricultural Student Association and Agricultural Council: As a Horticulture major, you are a part of the College of Agriculture and automatically a member of the Agricultural Student Association (ASA). The Agricultural Council is the governing body of the ASA. It is composed of three elected officers, the two agricultural senators and representatives from:

- Departmental Clubs
- Other Agriculture Student Organizations, and
- Representatives from Departments not having Clubs
- The freshman class in the College of Agriculture
- First year transfer students in the College of Agriculture

The Council consists of 35-40 members. It serves to encourage fellowship, cooperation and activities. Part of the activity fee paid by agriculture students goes to ASA for these programs. The Agriculture Council holds meetings each month and all students are invited to attend.

Agriculture Ambassadors: A selected group of agriculture majors who collectively have the primary purpose of serving as hosts to campus guests and visitors. Ag Ambassadors work with departments and departmental organizations and clubs to maintain the display cases in Ag. Hall and set up special displays prior to special events including the times when high school students will be visiting the campus. **You must apply to be selected as a member of this group.**

Gamma Sigma Delta: A National Agricultural Honorary Society dedicated to promoting leadership and academic achievement beyond the B.S. level. It is to graduates and alumni what Alpha Zeta is to undergraduates. It is an honor to be selected for membership.

Membership is limited to the top 15% academically in the College of Agriculture. Eligible

students will be contacted early in the spring semester of their senior year.

All seniors elected to membership must also have the following qualifications:

- a. Are considered to be of high moral character.
- b. Have been in residence at least one academic year before election. Membership is also available to graduate students and outstanding alumni.

Departmental Organizations

A college education involves more than just classroom activity. We encourage students to be active in a departmental club. You will get to know your peers and broaden your learning experiences within a more professional subject matter area. You will learn the importance of group action and compromise to achieve a desired goal.

Many career opportunities are available to those who know and understand the various facets of Horticulture and its related industries. For those who are serious about a career in Horticulture or Landscape Architecture, involvement with a Departmental Club is a worthwhile endeavor.

Horticulture Club: Horticulture majors and other students interested in any phase of Horticulture (Turf, Floriculture, Nursery, Fruits, Vegetables, Landscape Architecture or Contracting etc.) are invited to join and participate in the OSU Horticulture Club. The Club allows students with common interests to meet together and learn more about Horticulture and participate in worthwhile projects.

Projects include the production and sale of plants and other horticultural related productions, community service activities, field trips, and a spring garden show. Money made from the various sales are used to finance fun trips to horticultural areas and businesses, to participate in national and regional horticultural contests, to attend meetings of importance, and to provide up to three scholarships to individual members each year. Horticulture club members will gain experience in production, retail sales, and leadership.

Club meetings are scheduled and announced each month throughout the school year. Speakers from the industry or the department are often included and speak on a variety of horticulture related topics. Information on Club activities is posted on bulletin boards in the Department and at the OSU Teaching Greenhouses. The Horticulture Club office is also located in the Teaching Greenhouses.

OSU Student Chapter, American Society of Landscape Architects (ASLA): The objectives of this organization are to unite Landscape Architecture students, to combine their interest and efforts, to extend their knowledge of the profession of landscape architecture, to help advance the visibility, and to promote the academic, social, leadership and professional interest of its members.

The Student Chapter, ASLA is affiliated with a National Organization called the American

Society of Landscape Architects (ASLA). During the course of the year the students participate in numerous activities across the country, including workshops, symposia and lectures with students from other Universities as well as professional Landscape Architects.

Student Chapter of the Associated Landscape Contractors of America (ALCA): The Oklahoma Student Chapter of ALCA is affiliated with the national organization of ALCA. Membership in the organization is open to any person interested in the profession of Landscape Contracting, Landscape Architecture, or related fields. Activities during the year consist of special guest speakers, films, and field trips to such things as ALCA sponsored Student Field Day Competition, Workshops, and national meetings to encourage involvement with the Landscape Contracting industry and professionals.

Student Chapter, Golf Course Superintendents Association of America (GCSAA): The objectives of the Student Chapter of GCSAA is to encourage student participation in activities related to turfgrass management and promote interaction between students and industry. Students participate in group activities such as seminars, field trips, internship reviews, special projects, and golf tournaments. Meetings are held monthly at the Oklahoma Botanical Garden & Arboretum, Turfgrass Research Center.

Alpha-Delta Chapter of Phi Alpha Xi: The Honorary Society for Floriculture, Landscape Horticulture and Ornamental Horticulture. Its purpose is to recognize high scholarship, to promote the exchange of ideas among members of the professions, to establish cordial relations among students, educators and industry members, and to foster good fellowship among its members. Undergraduate membership is restricted to students of at least Junior standing, specializing in the field of floriculture, landscape and/or ornamental horticulture. Students are selected from the scholastically eligible group on the basis of character and exhibition of promise of continued activity and interest in the field. The student must have an overall GPA of 2.85 and a 3.00 or better in all credit hours taken in floriculture, landscape and/or ornamental horticulture.

Alpha Delta Chapter of Sigma Lambda Alpha: This Chapter and The Honor Society's primary purpose is to give formal recognition of scholarship to students in Landscape Architecture. The recognition of achievement by students, faculty and professionals is through election to membership. It is open to scholars of character from the Landscape Architecture Program at Oklahoma State University and its activities are designed to serve creatively as the Society strives for the realization of its motto: "Scholar, architect of the land, embrace the whole of nature and art; fit mankind to the earth and the earth to mankind."

Further, the Chapter and Society endeavor to emphasize leadership and character and to strive for the improvement of the Landscape Architectural Profession, also to preserve valuable traditions and customs and to foster a spirit of amiability among those who have displayed a marked ability in this environmental design discipline.

While the primary purpose of the Chapter and Society is to give formal recognition to scholarship, it encourages its members to be of service to the school, to promote high ideals in

Landscape Architecture education; and to provide a collegiate organization which might assist in worth endeavors for the benefit of the profession of Landscape Architecture. The Social functions of the Chapter are incidental, and may occur in connection with installations or initiations, dinners, meetings, lectures, exhibitions of work, awarding of prizes, etc.

Additional information on the student organizations can be found on the departmental website:
www.hortla.okstate.edu

UNDERGRADUATE HORTICULTURE COURSES

Course No.	Course Title	Semester Taught		
		Fall	Spring	Summer
HORT				
1013	Principles of Horticultural Science	X	X	
2010	Internship in Horticulture	X	X	X
2513	Herbaceous Plant Materials	X		
2613	Woody Plant Materials	X		
3013	Arboriculture	X*		
3084	Plant Propagation		X	
3113	Greenhouse Management	X		
3153	Turf Management	X		
3213	Fruit and Nut Production	X**		
3253	Personnel & Financial Mgmt. For Hort		X**	
3433@	Commercial Vegetable Production	X*		
3513	Landscape Irrigation		X	
3612	Bidding & Estimating		X	
[4313@	Commercial Flower Production & Marketing]			
4453@	Turfgrass Physio & Ecology		X**	
4543@	Nursery Production	X**		
4713@	Public Garden Management	X		
4773	Applied Landscape Planning		X	
4990@	Horticultural Problems	X	X	X
<u>Graduate Horticulture Courses</u>				
5020@	Graduate Seminar	X	X	
5000@	Research & Thesis	X	X	X
5110@	Advanced Horticultural Problems	X	X	X
5133@	Temperature Stress Physiology		X	
5233@	Experimental Horticulture		X**	
5412@	Mineral Nutrition in Horticultural Crops	X**		
5422@	Flowering & Fruiting in Horticultural Crops		X*	
5433@	Postharvest Physiology of Horticultural Crops	X**		
5443@	Basic Laboratory Experimentation	X*		
6000@	Research & Thesis	X	X	X

*Taught Odd Numbered Years

**Taught Even Numbered Years

@Approved for Graduate Credit

[] Currently course is not offered.

UNDERGRADUATE LANDSCAPE ARCHITECTURE & CONTRACTING COURSES

Course No.	Course Title	Semester Taught		
		Fall	Spring	Summer
LA				
1013	Introduction to Landscape Architecture	X		
2323	Computer Aided Design		X	
2213	Landscape Graphics I	X		
2223	Landscape Graphics II		X	
3010	Internship in Landscape Architecture and Landscape Contracting			X
3112	Seminar I	X		
3314	Landscape Architectural Design I	X		
3324	Landscape Architectural Design II		X	
3673	History and Theory of Landscape Architecture		X**	
3682	Professional Practice and Office Procedures		X**	
3884	Landscape Architectural Construction I	X		
3894	Landscape Architectural Construction II		X	
4034@	Landscape Planting Design		X	
4112	Seminar II		X	
4414@	Landscape Architectural Design III	X		
4424@	Landscape Architectural Design IV		X	
4433@	Land Use and Community Planning	X**		
4514@	Landscape Architectural Design V	X		
4524@	Landscape Architectural Design VI		X	
4534	Landscape Architectural Vertical Studio			X
4573@	Recreation Planning		X*	
4583	Environmental Planning	X*		
4680	Landscape Architecture Assembly	X		
4894@	Landscape Architecture Construction III	X		
4990@	Landscape Architecture Special Problems	X	X	X

Graduate Landscape Architecture Courses

5110@	Advanced Landscape Architectural Problems	X	X	X
-------	---	---	---	---

*Taught Odd Numbered Years

**Taught Even Numbered Years

@Approved for Graduate Credit

OKLAHOMA STATE UNIVERSITY
Department of Horticulture and Landscape Architecture
Scheduling Guide for Specialization in Horticultural Business

Fall Semester

AG 1011	Ag. Orientation 1	
*CHEM 1215	Gen. Chemistry	5
ENGL 1113	Freshman Comp. I	3
HIST 1103	Amer. History	3
Humanities Requirement		<u>3</u>
		15

*BOT 1404	Plant Biology	4
HORT 2513	Herb. Orn. Plants	3
MSIS 2103	Bus. Computer Conc.	3
POLS 1113	American Govt.	3
*STAT 2023	Elem. Stat. Bus.	<u>3</u>
		16

*Related Course / Business		3
HORT 2613	Woody Orn. Plants	3
*HORT Upper Division Course		3
MGMT 3013	Fund. of Mgmt.	3
*PLNT 3111	Weed Control Lab.	1
*PLNT 3211	Prin. Weed Biology	1
(D) or (I) Course If Needed		<u>0-3</u>
		14-17

*Related Course / Business		3
*HORT 2010	Internship in Hort.	3
*HORT 3113	Greenhouse Mgmt.	3
*HORT Upper Division Course		3
*PLP 3343	Intro. Plant Path.	3
(D) or (I) Course If Needed		<u>0-3</u>
		15-18

Spring Semester

BIOL 1114	Intro. Biology	4
*ENGL 1213	Freshman Comp. II	3
HORT 1013	Prin. Hort. Science	3
*MATH 1513	College Algebra	3
SPCH 2713	Intro. to Speech	<u>3</u>
		16

*ACCT 2103	Fin. Accounting	3
*AGEC 1114	Intro. Ag. Econ.	4
*ENTO 2991	Ento. Laboratory	1
ENTO 2992	Intro. Entomology	2
*ENTO 3421	Hort. Insects	1
*SOIL 2124	Fund. of Soil Sci.	<u>4</u>
		15

*Related Course/Business		3
*BCOM 3113	Written Communic.	3
HORT 1—3	Bilingual Hort. Com.	3
*HORT 3084	Plant Propagation	4
*HORT Upper Division Course		<u>2-3</u>
		15-16

*Related Courses /Business		6
*HORT 3253 pers. Fin. Mgmt. Hort.		3
*HORT Upper Division course		3
Humanities Requirement		<u>3</u>
		15

NOTES

HORT 2513 and 2613 are not required, but are prerequisites for some HORT upper division courses and as such need to be considered as shown in schedule planning. ENTO 3421 and HORT 3253 are alternate-year courses and may not be available as shown.

* indicates the course has a prerequisite.

OKLAHOMA STATE UNIVERSITY
Department of Horticulture and Landscape Architecture
Scheduling Guide for Specialization in Horticultural Science

Fall Semester

AG 1011	Ag. Orientation 1		*BOT 1404	Plant Biology	4
BIOL 1114	Intro. Biology	4	*CHEM 1215	Gen. Chemistry I	5
ENGL 1113	Freshman Comp. I	3	*ENGL 1213	Freshman Comp. II	3
HIST 1103	Amer. History	3	HORT 1013	Prin. Hort. Science	<u>3</u>
*MATH 1513	College Algebra	<u>3</u>			15
		14	*AGEC 1114	Intro. Ag. Econ.	4
			*BIOC 2344	Biomolecules	4
			*ENTO 2991	Ento. Laboratory	1
*CHEM 1225	Gen. Chemistry II	5	ENTO 2992	Intro. Entomology	2
HORT 2613	Woody Orn. Plants	3	*ENTO 3421	Hort. Insects	1
POLS 1113	American Govt.	3	*SOIL 2124	Fund. of Soil Sci.	<u>4</u>
*STAT 2013	Elem. Statistics	3			16
Electives		<u>0-3</u>			
		14-17			
			*BOT/CASNR	Upper Div. Rltd. Course	3
HORT 2513	Herb. Orn. Plants	3	*ENGL 3323	Technical Writing	3
*HORT Upper	Division Course	3	*HORT 3084	Plant Propagation	4
*PLNT 3111	Weed Control Lab.	1	*HORT Upper	Division Course	2-3
*PLNT 3211	Prin. Weed Biology	1	SPCH 2713	Intro. to Speech	<u>3</u>
*PLNT 3554	Plant Genetics	4			15-16
Humanities Requirement		3			
(D) or (I) Course If Needed		<u>0-3</u>			
		15-18			
			*BOT/CASNR	Upper Div. Rltd. Cours	3
*BOT/CASNR	Upper Div. Rltd. Course	3	*BOT 3462	Plant Phys. Lab	2
*HORT 2010	Internship in Hort.	3	*BOT 3463	Plant Physiology	3
*HORT 3113	Greenhouse Mgmt.	3	*HORT Upper	Division Course	3
*HORT Upper	Division Course	3	Humanities Requirement		3
*PLP 3343	Intro. Plant Path.	3	Electives		<u>0-3</u>
(D) or (I) Course If Needed		<u>0-3</u>			14-17
		15-18			

NOTES

HORT 2513 and 2613 are not required, but are prerequisites for some HORT upper division courses and as such need to be considered as shown in schedule planning. ENTO 3421 is an alternate-year course and may not be available as shown.

Prepared 8/31/08

Spring Semester

OKLAHOMA STATE UNIVERSITY
Department of Horticulture and Landscape Architecture
Scheduling Guide for Specialization in Public Horticulture

FIRST YEAR

<u>Fall Semester</u>	<u>Credit Hrs</u>	<u>Spring Semester</u>	<u>Credit Hrs</u>
AG 1011 Ag Orient.	1	CHEM 1225 Gen. Chemistry	5
CHEM 1215 Gen. Chemistry	5	ENGL 1213* Freshman Comp	3
ENGL 1113 Freshman Comp.	3	HORT 1013 Prin. of Hort Science	3
HIST 1013 Prin. Of Hort Science	3	MATH 1613 Trigonometry	<u>3</u>
MATH 1513 College Algebra	<u>3</u>		14
	15		

SECOND YEAR

<u>Fall Semester</u>	<u>Credit Hrs</u>	<u>Spring Semester</u>	<u>Credit Hrs</u>
AGEC 1114 Intro. to Ag Economics	4	BOT 1404 Plant Biology	4
BIOL 1114 Introductory Biology	4	SOIL 2124 Fund. Of Soil Sci.	4
POLS 1113 American Government	3	3 hrs pest management, <i>e.g.</i> ENTO 2991/2992	
HORT 2613 Woody Plant Materials	<u>3</u>	Intro. Entomology	3
	14	H/D Gen. Ed. Lower division course	3
		PSYC 1113 Intro. Psychology	<u>3</u>
			17

THIRD YEAR

<u>Fall Semester</u>	<u>Credit Hrs</u>	<u>Spring Semester</u>	<u>Credit Hrs</u>
HORT 2513 Herbaceous Plants	3	HORT 3084 Plant Propagation	4
2 hrs pest management	2	3 hrs. arch/art with "I," <i>e.g.</i> ART 3683	
HORT 3113 Greenhouse Mgmt.	3	Hist. Of 20 th Century Art	3
HORT 4713 Public Garden Management	3	BOT 3114* Plant Taxonomy	4
MGMT 3013 Fund. Of Management	<u>3</u>	3 hrs communications, <i>e.g.</i> AGCM 3103	3
	14	Comm. Ag to Public	<u>3</u>
			14

FOURTH YEAR

<u>Fall Semester</u>	<u>Credit Hrs</u>	<u>Spring Semester</u>	<u>Credit Hrs</u>
HORT 2010 Internship	3	6 hrs educ/leadership	6
PLNT 3554 Plant Genetics	4	3 hrs. hort techniques, <i>e.g.</i> HORT 4773	
HORT 3153 Turf Management	3	Applied Landscape Planning	3
BOT 3005 Field Botany	5	3 hrs arch/art	3
SPCH 2713 Intro. To Speech Com.	<u>3</u>	3 hrs. H	<u>3</u>
	18		15

*Course is offered in even years, only.

Updated 10/08/08

OKLAHOMA STATE UNIVERSITY
Department of Horticulture and Landscape Architecture
Scheduling Guide for Turf Management

FIRST YEAR

<u>First Semester</u>	<u>Credit Hrs</u>	<u>Second Semester</u>	<u>Credit Hrs</u>
AG 1011 Ag. Orientation	1	*ENGL 1213 Freshman Comp.	3
ENGL 1113 Freshman Comp.	3	*CHEM 1225 Gen. Chemistry	5
CHEM 1215 Gen. Chemistry	5	HIST 1103 American History	3
*MATH 1483 Functions OR	3	BIOL 1114 Introductory Biology	<u>4</u>
*MATH 1513 College Algebra			15
HORT 1013 Prin. Hort. & Land. Des.	<u>3</u>		
	15		

SECOND YEAR

*BOT 1404 Plant Biology	4	AGEC 1114 Intro to Ag. Economics	4
POLS 1113 American Government.	3	SPCH 2713 Intro. Spch. Comm.	3
*SOIL 2124 Fund of Soil Science	4	Business Elective	3
Humanities elective (H)	3	ENTO 2991 & 2992 Intro to Entomology	3
*MATH 1613 Trigonometry or		Humanities Elective (H)	<u>3</u>
*STAT 2013 Elem. Statistics	<u>3</u>		16
	17		

THIRD YEAR

*HORT 2613 Woody Plant Material	3	*BIOC 2344 Biomolecules	4
*HORT 3153 Turf Management	3	*‡HORT 4453 Turf Sci or PLP 3663	3
*PLNT 3111 Weed Control Lab	1	International Dimension Elective (I)	3
*PLNT 3211 Weed Bio & Ecology	1	*MCAG 3211 Small Engines	1
PLNT 3221 Principles of Herb Chemistry	1	AG Elective	<u>3</u>
*PLP 3344 Plant Pathology	4		14
Diversity (D)	<u>3</u>		
	16		

FOURTH YEAR

*HORT 2010 (3) Internship	3	*BOT 3463 Plant Physiology	3
*BCOM Business Communications	3	*HORT 4773 Applied Landscape Plan.	3
*SOIL 4234 Soil Nutrient Management	4	*HORT 3513 or MCAG 4203 Irrigation	3
Spanish	3	*†PLP 3663 or HORT 4453	3
Business Elective	<u>3</u>	AG Electives	<u>3</u>
	16		15

*Indicates that the course has a prerequisite.

†PLP 3663 is offered in alternate years, PLP 3344 is a prerequisite, adjust schedule accordingly.

‡HORT 4453 is offered in alternate years, HORT 3153 is a prerequisite, adjust schedule accordingly.

Check this sheet against the TURF option sheet to determine graduation requirements.

Updated 06/13/08

OKLAHOMA STATE UNIVERSITY
Department of Horticulture and Landscape Architecture
Scheduling Guide for Bachelor of Landscape Architecture

FIRST YEAR

<u>First Semester</u>	<u>Credit Hrs</u>	<u>Second Semester</u>	<u>Credit Hrs</u>
AG 1001 Orientation	1	ART 1113/1203/2203/2213	3
MATH 1513 College Algebra	3	*ENGL 1213 Fresh. Comp. II	3
ART 1103 Freehand DWG	3	HIST 1103 American Hist.	3
BIOL 1114 Biology	4	SOC 1113 Sociology or PSYC 1113	3
ENGL 1113 Fresh. Comp. I	3	MATH 1613 Trigonometry or STAT 2023	<u>3</u>
LA 1013 Intro. to Land. Arch.	<u>3</u>		15
	17		

SECOND YEAR

AGEC 1114 Intro Ag Economics	4	SOIL 2124 Fund. Soil Sci.	4
CHEM 1215 Chemistry	5	SPCH 2713 Speech	3
MCAG 2313 Land Surveying	3	*LA 2223 Graphics II	3
LA 2213 Graphics	<u>3</u>	LA 2323 Computer Aided Design	3
	15	Emphasis Requirement	<u>3</u>
			16

THIRD YEAR

HORT 2313 Plant Material I	3	*LA 3324 LA Design II	4
*LA 3314 LA Design I	4	**LA 3673 Land. Arch. Hist. (H)	3
*LA 3884 LA Construction I	4	*LA 3894 LA Const. II	4
LA 3112 Seminar I Prof. Practice	2	POLS 1113 Amer Government	3
Emphasis Requirement	<u>3</u>	#Business Requirement	<u>3</u>
	16		17

FOURTH YEAR

*LA 4414 LA Design III	4	*LA 4034 Planting Design	4
LA 4433 Land Use & Community Plan	3	*LA 4424 LA Design IV	4
*LA 4894 LA Const. III	4	LA 4573 Recreation Planning	3
LA 4990 Geographic Info Systems	3	Emphasis Requirement	3
Emphasis Requirements	<u>3</u>	Humanities Requirement (H)	<u>3</u>
	17		17

FIFTH YEAR

LA 4583 Environ. Planning	3	LA 4112 Seminar II Prof Practice	2
LA 3682 Prof. Practice	2	LA 4524 Design VI	4
*LA 4514 LA Design V	4	ENGL 3323 Tech. Writing	3
Emphasis Requirement	3	Electives	<u>6</u>
Elective (I)	<u>3</u>		15
	15		

* Course has a prerequisite.

Select one from the following Emphasis Areas

**Carries "H" Designation

Updated 10/09/08

LANDSCAPE ARCHITECTURE

Electives

Humanities Electives Requirements:

ART 1803 Introduction to Art, ENGL 2413 Introduction to Literature, HIST 1613 Western Civilization to 1500, HIST 1623 Western Civilization After 1500, LA 3673 History & Theory of Landscape Architecture, PHIL 1013 Philosophical Classics, PHIL 1213 Philosophies of Life, PHIL 1313 Critical Thinking, PHIL 2113 Introduction to Philosophy, REL 1103 Religions of Mankind, REL 2223 Introduction to the New Testament, REL 3303 Modern Christian Thought, GEOG 4223 Geography of Music or other courses designated (H)

Business Electives Requirements:

ACCT 2103 Principles of Accounting , LSB 3123 Legal & Reg. Environmental of Business, and FIN 2123 Personal Finance, MKTG 3213 Marketing

International Dimension (I) Requirement Recommendations:

LA 4990 Exchange Studio in Peru, LA 4990 Japanese Historic Gardens, GEOG 1113 Introduction to Cultural Geography, GEOG 2253 World Regional Geography, GEOG 3363 Geography of Africa, GEOG 3723 Geography of Western Europe, GEOG 3733 Geography of Eastern Europe and USSR, GEOG 3743 Geography of Latin America, GEOG 3753 Geography of Asia

Emphasis Areas

Design

ARCH 1111—Intro to Architecture; ARCH 1216, 2216, 2263—Architectural Design Studio I, II, III; ARCH 2263—Building Systems; ARCH 2003 Architecture and Society, ARCH 5373—Field Study in Europe II; ART 1203—Two Dimension; ART 1303—Three Dimension; ART 1603—Introduction to Art; ART 2213—Color Theory; DHM 1123 Graphic Design for Interiors, DHM 3233 Heritage of Interiors I, DHM 3353 Socio-Economic Aspects of Housing, DHM 4143 Design for Special Needs

Environmental Planning

ENVIR 1113—Elements; ENVIR 4813—Application & Problems; GEOG 1114—Physical Geography; GEOG 2253—World Regional; GEOG 2343—Introduction to Geographic Information Systems; GEOL 3073—Geomorphology; GEOG 3123—Urban Geograph; GEOG 3153—Conservation of Natural Resources; GEOG 3173—Cultural Geography; GEOG 3743—Latin America; GEOG 3753—Asia; GEOG 4123—Urban Planning; GEOG 4143—Travel & Tourism; GEOG 4153—Geography of Outdoor Recreation; GEOG 4333—Remote Sensing; GEOG 4343—Geographic Information Systems; HIST 4063—Modern Latin America; HIST 4503—American Urban History; HIST 4523—Environmental History; JB 382— Photography I; JB 3913—Video Production; POLS 4363—Environmental Law and Administration; POLS 4593—Natural Resources and Environmental Policy; SOC 3423—Urban Sociology; ZOOL 4403—Wetland Ecology & Management; ZOOL 5303—Ecotoxicology

Horticulture

HORT 1013—Principles; HORT 2513—Herbaceous Plant; HORT 3013—Arboriculture; HORT 3153—Turf Management; HORT 3613 Landscape Irrigation; HORT 3612 Bidding & Estimating; HORT 4453—Turfgrass Science

Other Studies

Requires study plan approved by advisor and program director.

Updated 06/13/08

OKLAHOMA STATE UNIVERSITY
Department of Horticulture and Landscape Architecture
Scheduling Guide for Specialization in Landscape Contracting

FIRST YEAR

<u>First Semester</u>	<u>Credit Hrs</u>	<u>Second Semester</u>	<u>Credit Hrs</u>
AG 1011 Ag Orientation	1	MATH 1613 Trigonometry	3
BIOL 1114 Biol. Science	4	CHEM 1215 General Chem.	5
ENGL 1113 Fresh Comp.	3	HORT 1013 Principles of Horticulture	3
LA 1013 Intro to Contracting	3	ENGL 1213 Freshman Comp.	<u>3</u>
MATH 1513 College Algebra	<u>3</u>		14
	14		

SECOND YEAR

AGEC 1114 Intro to Ag Econ	4	ACCT 2103 Financial Acctg.	3
HORT 2613 Plant Materials	3	HIST 1103 American History	3
MCAG 2313 Surveying	3	LA 2323 Computer Aided Design	3
POLS 1113	3	LA 2223 Graphics II	3
LA 2213 Graphics I	<u>3</u>	SPCH 2713 Intro to Spch Comm	<u>3</u>
	16		15

THIRD YEAR

HORT 2513 Herbaceous Plants	3	LSB 3213 Legal & Reg Envir of Business	3
SOIL 2124 Fund of Soil Science	4	LA 3324 Design II	4
LA 3314 Design I	4	HORT 3513 Landscape Irrigation	3
LA 3884 Construction I	<u>4</u>	HORT 3253 Personnel & Fin. Mgmt	3
	15	Spanish	<u>3</u>
			16

FOURTH YEAR

HORT 3013 Arboriculture	3	BCOM 3113, 3223 or ENGL	
HORT 2010 Internship	3	3323 Tech Writing	3
HORT 3153 Turf Management	3	LA 4034 Planting Design	4
Humanities Requirement (I)	3	HORT 3612 Bidding & Estimating	2
LA 4894 Construction III	<u>4</u>	Humanities Requirement (D)	3
	16	Controlled Elective	<u>3</u>
			15

Updated 06/12/08

RELATED COURSES FOR HORTICULTURE MAJORS

Course

Semester Taught

No	Course Title	Fall	Spring	Summer
<u>General Education Requirements</u>				
AGEC 1114	Intro. to Agri. Economics	X	X	
Suggestions for Humanities (H) and International Dimension (I) (consult your advisor for the latest information):				
AGED 4713	(I) Intl. Programs in Ag. Ed. & Extension	X	X	
GEOG 2253	(I) World Regional Geography	X	X	X
HIST 1613	(H) Western Civilization to 1500	X	X	
HIST 1623	(H) Western Civilization After 1500	X	X	
<u>College/Departmental Requirements</u>				
SOIL 2124	Fund. of Soil Science	X	X	
BCOM 3113	Written Communication	X	X	X
BCOM 3223	Organizational Communication	X	X	X
<u>Core Courses</u>				
BIOC 2344	Chem & App. of Biomolecules		X	
BOT 3005	Field Botany	X		
BOT 3114	Plant Taxonomy		Alt.	
BOT 3233	Plant Anatomy	X		
BOT 3463	Plant Physiology		X	
ENTO 2992 & 2991	Introduction to Entomology (plus lab)		X	
ENTO 3421	Horticultural Insects		Alt.	
PLNT 3111	Weed Control Lab	X		
PLNT 3211	Principles of Weed Biology	X		
PLNT 3221	Principles of Herbicide Chemistry	X		
PLNT 3554	Plant Genetics	X		
SOIL 3433	Soil Genesis, Morph., & Classif.	X		
SOIL 4213	Precision Agriculture		X	
SOIL 4234	Soil Nutrient Management	X		
SOIL 4463	Soil and Water Conservation	X		
SOIL 4893	Soil Chemistry		X	
PLP 3343	Plant Pathology	X		
PLP 3663	Turfgrass Integrated Pest Mgmt		Alt.	
MCAG 4203	Irrigation Principles		X	
<u>Controlled Electives</u>				
ACCT 2103	Financial Accounting	X	X	X
CS 1103	Computer Programming	X	X	X
FIN 2123	Personal Finance	X	X	
LSB 3213	Legal & Reg. Envir. of Business	X	X	X
MGMT 3013	Fundamentals of Mgmt	X	X	X
MKTG 3213	Marketing	X	X	X
MSIS 2103	Bus. Computer Concepts & Appl.	X	X	X

Updated 10/08/08

OPTIONS AND MINORS

There are four undergraduate options available under the Horticulture major: Horticultural Business, Horticultural Science, Turf Management, and Public Horticulture. Landscape Contracting and Landscape Architecture are separate majors.

Academic minors currently available in the College of Agriculture include: Agricultural Economics, Agronomy, Animal Science, Biochemistry, Entomology, Food Science, and Horticulture. Minors may be noted on transcripts, and provide supplemental training which can enhance employment opportunities. Within our department, the minor in Horticulture may be earned by students in the Landscape Contracting and Landscape Architecture majors. Consult your advisor for more information about minors.