

MEMORANDUM

22 November 2000

TO: The Academic Deans Council

FROM: Keith Belli, UCCC Chair

RE: Curriculum Change Notice 3

Listed below are curriculum change proposals which have been recommended by the University Committee on Courses and Curricula. Under current procedure, unless notice of question as to approval of any proposal has been communicated by a member of the Academic Deans Council to the Committee's office (5-0831), or the office of the Vice President for Academic Affairs (5-3742) not later than 5:00 p.m., Friday, November , 2000, the proposals will be considered to have been approved automatically.

AGRICULTURE & LIFE SCIENCES:

Add	ABE 4483/6483	Introduction to Remote Sensing Technologies. (3) (Prerequisite: Senior or graduate standing, or consent of instructor). Three hours lecture. Electromagnetic interactions, passive sensors, multispectral and hyperspectral optical sensors, active sensors, imaging radar, SAR Lidar, digital image processing, natural resource applications. (Same as ECE 4423/6423 and PSS 4483/6483). Effective: Spring 2001
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Add	EPP 3522	<p>Turfgrass Diseases. (2) (Prerequisite EPP 3113 or 3124). Four hours laboratory. Study of the life cycle, damage, economic importance and control strategies of diseases of turfgrass.</p> <p>Effective: Fall 2001</p>
Modify	EPP 4263/6263	<p>Principles of Insect Pest Management. (3) Two hours lecture. Two hours laboratory. Discussion of pest management concepts, insect control methods, sampling, and pest management systems. Laboratory involves sampling, calibration and other exercises related to pest management.</p> <p>Effective: Spring 2001</p>
Add	LA 1223	<p>Use of Computers in Landscape Architecture (3) (Prerequisite: none) One hour lecture. Four hours studio/lab. A review of computer technology and its application to be the practice of Landscape Architecture.</p> <p>Effective: Fall 2000</p>

<p>Add</p>	<p>LA 1253</p>	<p>Design Fundamentals in Landscape Architecture (3) (Prerequisite: none) One hour lecture. Six hours studio/lab. The investigation and application of problem solving techniques, learning of basic drawing fundamentals, and exploration of the nature of creativity associated to landscape architecture issues.</p> <p>Effective: Fall 2000</p>
<p>Modify</p>	<p>LA 2403 TO: LA 1153</p>	<p>Introduction to Landscape Architecture (3) (Prerequisite: ART 1123, and ART 1213 or EG 1513 or consent of instructor) Six hours laboratory. The profession's design vocabulary and its application through elementary studio exercises. Introduction to feeling and form in landscape architectural space.</p> <p>TO: Introduction to Landscape Architecture (3) Six hours studio/lab. Acquaints students with the profession's design vocabulary, application, types of work, and initial experiences dealing with the creation of and evaluation of three dimensional space.</p> <p>Effective: Fall 2000</p>

<p>Add</p>	<p>LA 2433</p>	<p>Landscape Systems and Plant Communities (3) (Prerequisites: none) One hour lecture. Four hours laboratory. The nature, scope and relevancy of landscape systems and their respective plant communities as they relate to land planning and landscape architectural Design.</p> <p>Effective: Fall 2000</p>
<p>Modify</p>	<p>LA 2443 TO: LA 3623</p>	<p>Urban Planning (3) Three hours lecture. Open to non-landscape architecture majors. Emphasis on the planning process, citizen involvement, sources and the use of power to regulated land.</p> <p>TO: Urban Planning Theory (3) (Prerequisite: none, open to majors and non-majors) Three hours lecture. Survey of principles and practice of urban planning. Emphasis on the planning process and use of a city's police power to regulate use of land.</p> <p>Effective: Fall 2000</p>

<p>Add</p>	<p>LA 2453</p>	<p>Site Inventory and Analysis (3) One hour lecture. Four hours studio/lab. The collection, presentation, and use of pertinent site related data. Conventional non-technical methods of presentation of data and computer generated formats are considered and analyzed.</p> <p>Effective: Fall 2000</p>
<p>Modify</p>	<p>LA 3113 TO: LA 2323</p>	<p>Presentation Methods and Media (3) (Prerequisite ART 1123 and ART 1213) Six hours laboratory. Delineation techniques for the professional practice of landscape architecture.</p> <p>TO: Presentation Methods and Media (3) (Prerequisite: none, recommended ART 1123 & ART 1213) Six hours studio/lab. Delineation and professional presentation techniques for the practice of Landscape Architecture utilizing traditional and contemporary presentation approaches.</p> <p>Effective: Fall 2000</p>

Modify	LA 3123 TO: LA 2423	Landscape Architecture History. (3) (Prerequisite: LA 2403 or consent of instructor). Three hours lecture. Historic development of the landscape architecture profession. TO: History of Landscape Architecture (3) Three hours lecture. Historic developments of Landscape Architecture Profession. Effective: Fall 2000
Delete	LA 3274	Planting Design I (4) (Prerequisites: PSS 3473, and LA 2403). Two hours lecture. Four hours laboratory. Using plants of landscape architectural functional elements; developing a plant palette; and the application of design principles to design elements for producing designs. Effective: Fall 2000

Modify	LA 3314 TO: LA 3544	<p>Landscape Architecture Construction I (4) (Prerequisites: ABE 2873, and MA 1323) Two hours lecture. Four hours laboratory. Concerned with landscape architectural grading and drainage, including calculations for cuts and fills.</p> <p>TO: Landscape Architecture Construction I (4) (Prerequisites: non, recommended: ABE 2873 & MA 1323). Two hours lecture. Four hours studio/lab. Course is concerned with land surveying, landscape architecture grading, road alignments and calculations for cut and fill volumes.</p> <p>Effective: Fall 2000</p>
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Modify	LA 3324 TO: LA 3644	<p>Landscape Architecture Construction II. (4) (Prerequisite: LA 3314). Two hours lecture. Four hours laboratory. Calculations and landscape architectural drawing for staking for horizontal and vertical alignment, for site plan dimensioning, and for closing.</p> <p>TO: Landscape Architecture Construction 2 (4) (Prerequisite: none recommended LA 3544). Two hours lecture. Four hours studio/lab. Calculations for storm-water management, best management practices, surface and subsurface drainage systems, basic hydrology and erosion and sediment control design and practices.</p> <p>Effective: Fall 2000</p>
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Modify	LA 3414 TO: LA 3555	<p>Landscape Architecture Design I (4) (Prerequisite: LA 2403) Eight hours laboratory. The landscape architectural design process applied to site planning for small acreages. Emphasis on accommodation and application of design principles to landscape architectural design elements.</p> <p>TO:</p> <p>Landscape Architecture Design Studio I (5) (Prerequisites: LA 1153, LA 1253, LA 1223, LA 2323, & LA 2453). Two hours lecture. Six hours studio/lab. A landscape architectural design process applied to site planning for small acreages. Emphasis on accommodation and application of design principles to site design elements.</p> <p>Effective: Fall 2000</p>
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<p>Modify</p>	<p>LA 3424 TO: LA 3655</p>	<p>Landscape Architecture Design II (4) (Prerequisites: LA 3314, LA 3414, and LA 3274) Eight hours laboratory. Design process applied to medium scale acreages, with additional consideration of research, environmental analysis, landform, aesthetics, and surface grades. TO: Landscape Architecture Design Studio 2 (5) (Prerequisites: LA 1153, LA 1253, LA 1223, LA 2323 & LA 2453) Two hours lecture. Six hours studio/lab. Deals with program an site specific requirements, inventory and analysis, construction detailing, economic issues, social impact, and planting design applied to medium scale projects.</p> <p>Effective: Fall 2000</p>
<p>Delete</p>	<p>LA 4284</p>	<p>Landscape Architectural Planning Design II (4) (Prerequisites: LA 3274, and LA 3424). Two hours lecture. Four hours laboratory. Preparation of planting plans, specifications, and cost estimates for installation documents.</p> <p>Effective: Fall 2000</p>

Modify	LA 4334 TO: LA 4844	<p>Landscape Architecture Construction IV (4) (Prerequisites: LA 3314 and LA 3414) Two hours lecture. Four hours laboratory. Calculations and landscape architectural drawings for construction details and the estimation of construction costs.</p> <p>TO: Design of Sustainable Communities (4) (Prerequisite: none recommended: MA 1313 and MA 1323). Three hours lecture. Two hours studio/lab. Nature of materials used in landscape architecture, their physical attributes and liabilities that contribute to their use in a safe and healthy manner.</p> <p>Effective: Fall 2000</p>
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<p>Modify</p>	<p>LA 4435 TO: LA 4755</p>	<p>Landscape Architecture Design III (5) (Prerequisite: LA 3313, LA 3324, and LA 3424). Ten hours laboratory. The design process as relate to site planning for society's housing development or subdivisions, including working drawings for circulation, grading, and vegetation. TO: Landscape Architecture Design Studio 3 (5) (Prerequisites: LA 1153, LA 1253, LA 1223, LA 2323, & LA 2453). Two hours lecture. Six hours studio/lab. The design process applied to intermediate size project, with emphasis on providing shelter for society. Integration of techniques for design development into a holistic process. Effective: Fall 2000</p>
<p>Delete</p>	<p>LA 4445</p>	<p>Landscape Architecture Design IV (5) (Prerequisites: LA 4435 and LA 3123) Ten hours laboratory. Site planning for recreation. Problems chosen from such projects as golf courses, parks and playgrounds, schools, camp sites, clubs, resorts, waterfronts, etc. Effective: Fall 2000</p>

Modify	LA 5133 TO: LA 4723	Professional Practice (3) (Prerequisite: LA 4445) Three hours lecture. A study in personnel and office management, contracting, budgeting, design proposals, and supervision of contracts. TO: Professional Practice of Landscape Architecture (3) Three hours lecture. Office management, contracting, budgeting, design proposals, supervision of construction contracts, professional liability, and professional ethics. Effective: Fall 2000
Delete	LA 5456	Landscape Architecture Design V (6) (Prerequisites: LA 4284, LA 4334 and LA 3324). Twelve hours laboratory. A professional course mainly concerned with large scale developments and intricacies of design synthesis. Effective: Fall 2000

<p>Modify</p>	<p>LA 5466 TO: LA 4855</p>	<p>Landscape Architecture Design VI (6) (Prerequisites: LA 4344, LA 5133, and LA 5456) Twelve hours of laboratory. The professional design process. An approved undergraduate design thesis, including design contract, general plans, sketches, staking plan, grading plan, construction details, planting plan, and specifications. TO: Landscape Architecture Capstone Studio (5) (Prerequisites: LA 3555, LA 3655, LA 4755, LA 3544, LA 3644, LA 4723) Twelve hours studio/lab. A self-directed course that includes an approved terminal project including proposal, analytical design process, master plan, support drawings, and construction documents of selected plan elements. Effective: Fall 2000</p>
<p>Delete</p>	<p>LA 5523</p>	<p>Urban Design (3) (Prerequisite: LA 2443) One hour lecture. Four hours laboratory. The design process of elements within the city; elements allocate by the larger scale process of urban planning. Effective: Fall 2000</p>

Delete	LA 5533	<p>Regional Landscape Planning (3) (Prerequisite: LA 2443 and LA 4445 or consent of instructor). One hour lecture. Four hours laboratory. Planning theory, natural resource modeling, advanced spatial analysis techniques applied to landscape planning problems, including environmental impact assessment, multiple land use allocation.</p> <p>Effective: Fall 2000</p>
Delete	PSS 1623	<p>Introduction to Horticulture. (3) Two hours laboratory. Introduction to the principles of home horticulture and commercial production of fruits and nuts, vegetables, wood ornamental nursery stock, and flowering plants. Fall semester, even-numbered years.</p> <p>Effective: Fall 2000</p>

Add	PSS 4483/6483	<p>Introduction to Remote Sensing Technologies. (3) (Prerequisite: Senior or graduate standing, or consent of instructor). Three hours lecture. Electromagnetic interactions, passive sensors, multispectral and hyperspectral optical sensors, active sensors, imaging radar, SAR, Lidar, digital image processing, natural resource applications (Same as ECE 4423/6423 and ABE 4483/6483).</p> <p>Effective: Spring 2001</p>
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ARTS & SCIENCES:

Add	AN 1173	<p>Introduction to Gender Studies. (3) Three hours lecture. An introduction to theoretical concepts in Gender Studies. This course will examine the influence of the women's movement on the academic development of Gender Studies (Same as WS 1173 and SO 1173).</p> <p>Effective: Spring 2000?</p>
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Add	SO 1173	<p>Introduction to Gender Studies. (3) Three hours lecture. An introduction to theoretical concepts in Gender Studies. This course will examine the influence of the women's movement on the academic development of Gender Studies (Same as AN 1173 and WS 1173).</p> <p>Effective: Spring 2000?</p>
Add	WS 1173	<p>Introduction to Gender Studies. (3) Three hours lecture. An introduction to theoretical concepts in Gender Studies. This course will examine the influence of the women's movement on the academic development of Gender Studies (Same as AN 1173 and SO 1173).</p> <p>Effective: Spring 2000</p>

EDUCATION:

Add	PE 8543	<p>Health Education for Diverse Populations. (3) Three hours lecture. This course is designed to help students identify, an develop programs to overcome, the health disparities that exist in diverse populations.</p> <p>Effective: Summer 2001</p>
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ENGINEERING:

Add	ABE 4523/6523	<p>Biomedical Materials (3) (Prerequisites: One of the following: ABE 3813, or CHE 3413, or ME 3403). Three hours lecture. Emphasis is on applications, composition, testing, and biocompatibility of biomedical materials used in implant devices. This course may be used for honors credit.</p> <p>Effective: Fall 2000</p>
Add	ABE 4533/6533	<p>Rehabilitation Engineering (3) (Prerequisites: senior standing in College of Engineering). Three hours lecture. An introduction to rehabilitation engineering emphasizing applications of technology in prosthetics, orthotics, mobility, and sensory augmentation. This course may be used for honors credit.</p> <p>Effective: Spring 2000</p>

Add	ABE 8801	<p>Clinical Experience for Biomedical Engineering. (1) Prerequisites: Graduate standing in the Biomedical Program and permission of the instructor. Three hours experiential learning. This course will provide graduate students with exposure, understanding and insight into the clinical environment and or treatment modalities of clinical (human and/or animal) patients.</p> <p>Effective: Spring 2002</p>
Delete	CS 4503/6503	<p>Database Management Systems. (3) (Prerequisites: CS 4733/6733 with a grade of C or better). Three hours lecture. Logical and physical data and file organization; hierarchial, network, and relational data models; data normalization; query facilities; current literature in the database area.</p> <p>Effective: Spring 2001</p>

Add	CS 4504/6504	<p>Database Management Systems. (4) (Prerequisites: CS 2314 and CS 2813 both with a grade of C or better). Three hours lecture. Two hours laboratory. Modern database models; basic database management concepts; query languages; database design through normalization; advanced database models; extensive database development experience in a team environment.</p> <p>Effective: Spring 2001</p>
Modify	CS 8533	<p>Database System Design. (3) (Prerequisites: CS 4504/6504). Three hours lecture. Query processing; transactions and concurrency control; crash recovery; distributed database issues; security and integrity; contemporary research issues.</p> <p>Effective: Spring 2001</p>
Modify	CS 8543	<p>Current Issues in Database Systems. (3) Prerequisite: CS 4504/6504). Three hours lecture. Extensive reading and discussion; advanced data models; query languages; cooperative databases; data mining; data warehousing; user interfaces; web databases.</p> <p>Effective: Spring 2001</p>

Add	ECE 4423/6423	<p>Introduction to Remote Sensing Technologies. (3) (Prerequisite: Senior or graduate standing, or consent of instructor). Three hours lecture. Electromagnetic interactions, passive sensors, multispectral and hyperspectral optical sensors, active sensors, imaging radar, SAR, Lidar, digital image processing, natural resource applications. (Same as PSS 4483/6483).</p> <p>Effective: Spring 2001</p>
Add	ECE 8401	<p>Current Topics in Remote Sensing. (1) (Prerequisite: Credit or registration in ECE 4623/6423 or PSS 4483/6483 or ABE 4483/6483). One hour lecture. Review of current literature dealing with the technical issues of remote sensing technologies.</p> <p>Effective: Spring 2001</p>

PROGRAMS

Add	Master of Science (M.S.) In Biomedical Engineering Effective: Fall 2000	
Add	Doctor of Philosophy (Ph.D) in Biomedical Engineering Effective: Fall 2000	
Modify	Bachelor of Science Landscape Architecture	Degree length changed from 5 to 4 years. Effective: Fall 200
Modify	Bachelor of Science General Business Administration	Change in elective requirements, addition of 6 hours to degree total. Effective: Fall 2001

All of the proposals were approved with the exception of the following:

Proposals**

{Provost approval 12/8/00}

Dr. George S. Rent
Associate Vice-President Academic Affairs

Date

**Please include copies of letters accompanying proposals that are returned to departments.

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