

NEW COURSE FORM

1. General Information.					
a.	Submitted by the College of: Agriculture	Today's Date:	1/13/2012		
b.	Department/Division: Landscape Architecture				
c.	Contact person name: Ned Crankshaw	Email: ned.crankshaw@uky.edu	Phone:	257-4691	
d.	Requested Effective Date:	<input checked="" type="checkbox"/> Semester following approval	OR	<input type="checkbox"/> Specific Term/Year ¹ : _____	
2. Designation and Description of Proposed Course.					
a.	Prefix and Number:	LA 825			
b.	Full Title:	Digital Representation I			
c.	Transcript Title (if full title is more than 40 characters):	_____			
d.	To be Cross-Listed ² with (Prefix and Number):	_____			
e.	Courses must be described by <u>at least one</u> of the meeting patterns below. Include number of actual contact hours ³ for each meeting pattern type.				
	2 Lecture	2 Laboratory ¹	_____ Recitation	_____ Discussion	
	_____ Clinical	_____ Colloquium	_____ Practicum	_____ Research	
	_____ Seminar	_____ Studio	_____ Other – Please explain: _____		
f.	Identify a grading system:	<input checked="" type="checkbox"/> Letter (A, B, C, etc.)	<input type="checkbox"/> Pass/Fail		
g.	Number of credits:	3			
h.	Is this course repeatable for additional credit?			YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>
	If YES:	Maximum number of credit hours:	_____		
	If YES:	Will this course allow multiple registrations during the same semester?	YES <input type="checkbox"/>	NO <input type="checkbox"/>	
i.	Course Description for Bulletin:	This course provides students with a basic knowledge of computer-aided methodologies applied to site design and design articulation. It focuses on utilizing AutoCAD as a tool for producing the sequence of drawings commonly used in professional design offices. The interface of AutoCAD with various other digital applications to produce representations of site information is also emphasized. Lecture, 2 hours; laboratory, 2 hours per week. Prereq: LA 805.			
j.	Prerequisites, if any:	LA 805			
k.	Will this course also be offered through Distance Learning?			YES ⁴ <input type="checkbox"/>	NO <input checked="" type="checkbox"/>
l.	Supplementary teaching component, if any: <input type="checkbox"/> Community-Based Experience <input type="checkbox"/> Service Learning <input type="checkbox"/> Both				

¹ Courses are typically made effective for the semester following approval. No course will be made effective until all approvals are received.

² The chair of the cross-listing department must sign off on the Signature Routing Log.

³ In general, undergraduate courses are developed on the principle that one semester hour of credit represents one hour of classroom meeting per week for a semester, exclusive of any laboratory meeting. Laboratory meeting, generally, represents at least two hours per week for a semester for one credit hour. (from SR 5.2.1)

⁴ You must *also* submit the Distance Learning Form in order for the proposed course to be considered for DL delivery.

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3.	Will this course be taught off campus?	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>	
4.	Frequency of Course Offering.			
a.	Course will be offered (check all that apply):	<input type="checkbox"/> Fall	<input checked="" type="checkbox"/> Spring	<input type="checkbox"/> Summer
b.	Will the course be offered every year?	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	
	If NO, explain:	_____		
5.	Are facilities and personnel necessary for the proposed new course available?	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	
	If NO, explain:	_____		
6.	What enrollment (per section per semester) may reasonably be expected?	25		
7.	Anticipated Student Demand.			
a.	Will this course serve students primarily within the degree program?	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	
b.	Will it be of interest to a significant number of students outside the degree pgm?	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>	
	If YES, explain:	_____		
8.	Check the category most applicable to this course:			
	<input checked="" type="checkbox"/> Traditional – Offered in Corresponding Departments at Universities Elsewhere			
	<input type="checkbox"/> Relatively New – Now Being Widely Established			
	<input type="checkbox"/> Not Yet Found in Many (or Any) Other Universities			
9.	Course Relationship to Program(s).			
a.	Is this course part of a proposed new program?	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>	
	If YES, name the proposed new program:	_____		
b.	Will this course be a new requirement ⁵ for ANY program?	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	
	If YES ⁵ , list affected programs:	Landscape Architecture		
10.	Information to be Placed on Syllabus.			
a.	Is the course 400G or 500?	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>	
	If YES, the <i>differentiation for undergraduate and graduate students must be included</i> in the information required in 10.b . You must include: (i) identification of additional assignments by the graduate students; and/or (ii) establishment of different grading criteria in the course for graduate students. (See SR 3.1.4.)			
b.	<input checked="" type="checkbox"/> The syllabus, including course description, student learning outcomes, and grading policies (and 400G-/500-level grading differentiation if applicable, from 10.a above) are attached.			

⁵ In order to change a program, a program change form must also be submitted.

NEW COURSE FORM

Signature Routing Log

General Information:

Course Prefix and Number: LA 825

Proposal Contact Person Name: Ned Crankshaw

Phone: 257-4691

Email:

ned.crankshaw@uky.edu

INSTRUCTIONS:

Identify the groups or individuals reviewing the proposal; note the date of approval; offer a contact person for each entry; and obtain signature of person authorized to report approval.

Internal College Approvals and Course Cross-listing Approvals:

Reviewing Group	Date Approved	Contact Person (name/phone/email)	Signature
Landscape Architecture Dept	1/26/2012	Ned Crankshaw / 257-4691 / ned.crankshaw@uky.edu	
Undergraduate Curriculum Comm., COA	2/17/2012	Larry Grabau / 7-3469 / larry.grabau@uky.edu	
		/ /	
		/ /	
		/ /	

External-to-College Approvals:

Council	Date Approved	Signature	Approval of Revision ⁶
Undergraduate Council	3/27/2012	Sharon Gill	
Graduate Council			
Health Care Colleges Council			
Senate Council Approval		University Senate Approval	

Comments:

⁶ Councils use this space to indicate approval of revisions made subsequent to that council's approval, if deemed necessary by the revising council.

Course: LA 825 Digital Representation I
Room: College of Nursing. CN602
Time: 8:00 am – 9:50 am. Monday, Wednesday, and Friday

Instructor: Carolina Segura
Office: S305 Agriculture Science Building
E-mail: carolina.segura@uky.edu
Phone: (859) 257-9193
Office hours: By appointment

Syllabus

- **Course Description:**

This course provides students with a basic knowledge of computer-aided methodologies applied to site design and design articulation. It focuses on utilizing AutoCAD as a tool for producing the sequence of drawings commonly used in professional design offices. The interface of AutoCAD with various other digital applications to produce representations of site information is also emphasized.

Prereq: LA 805, Graphics I

- **Student Learning Outcomes**

Upon completing this course students will:

1. Apply the technical skills necessary to use digital graphics to communicate basic site and design information.
2. Analyze and relate design intent and the dimensional aspects of site design to develop increased design sensibility.
3. Develop the professional attitude necessary to carry out a design project from initial idea generation to final project completion.

- **Course Learning Objectives**

1. To be able to produce design work using Auto CAD 2012 as a digital tool.
2. To be conversant with the inter-compatibility of Auto CAD 2012 with other design oriented software.
3. To develop basic skills in illustrating mapping, visual analysis, and presentation graphics as applied to site analysis and design.

- **Required Material:**

Text Book

Finkelstein, Ellen. *AutoCAD 2012 and AutoCAD LT 2012 Bible*. 2011. Wiley Publishing.

Optional book: Abbott, Dan. *AutoCAD Secrets Every User Should Know*. 2007. Wiley Publishing.

Hardware

Freshman and Second Year students are not required to buy a high end computer; this course will be held in a University-supported computer lab. If you wish to install the AutoCAD student version software on your own desktop or laptop, you will need a minimum of 2 GB RAM, 2 GB free disk space for

installation, and 1,024 x 768 display resolution with true color. For more information take a look at the following link: <http://usa.autodesk.com/autocad/system-requirements/>

Software

A free and legal student version of the AutoCAD software is available for download from Autodesk. You will need to join the Autodesk Student Community and do some other contortions. See the *LA Majors Software Recommendations* handout for more information.

- **Course Activities and Assignment**

The class is structured around a series of multiple assignments with a relatively low value of available points for each assignment. The point system rewards good work. The better work you do the more points you earn. You will be able to demonstrate most of what you learned in this course during the final examination. The class grading is based on 100 points.

In Class Assignments (10%)

Homework Assignments (45%)

- 5% Project 1: Base Map
- 5% Project 2: Concept Diagram
- 10% Project 3: Illustrative Conceptual Master Plan
- 10% Project 4: Technical Conceptual Master Plan
- 10% Project 5: Detailed Studies (Enlarged Plan View, Sections, and Details)
- 5% Project 6: Final Document

Keyboard Final Exam (40%)

Attendance and Participation (5%)

- **Summary Description of Course Assignments:**

- *In Class Assignments*

This task includes completing exercises from selected chapters of the required course textbook, *AutoCAD 2012 and AutoCAD LT 2012 Bible*, and exercises given by the instructor applied to landscape architecture drafting techniques (contour map and survey).

- *Project 1: Base Map*

A legible and accurate base map constitute an essential piece of information since it is further utilized for the duration of the project's design. Many times a survey is available and often times landscape architects need to acquire information from aerial photos or USGS topographic maps. Developing a base map for the selected landscape design scenario will reinforce concepts of drawing setup, units, model and paper space, setting up layers, placing raster images, and basic drawing commands.

- *Project 2: Concept/Bubble Diagram*

A conceptual diagram is used to explore design alternatives utilizing three basic geometric objects: polygons, lines, and points that represent zones or bubbles; path and edges; and nodes and landmarks. This exercise will be used to reinforce skills with modify tools, line weight, line types, and text concepts.

- *Project 3: Illustrative Conceptual Master Plan*

The master plan will show the project's basic components on the site, and the search for forms that satisfy a program, including building footprints, roads, vegetation, cars, street furniture, etc. Each element will be rendered with appropriate hatches and colors. This exercise will allow students to

experiment with hatches, creating or inserting blocks, and browsing blocks from product manufacturers. (<http://www.caddetails.com>)

- *Project 4: Technical Conceptual Master Plan*

The master plan will be further refined and detailed. This plan will include text, dimensions, materials call outs, symbol legends, and a proper title block.

- *Project 5: Detailed Studies (Enlarged Plan View, Sections, and Details)*

This task will expose students to understanding drafting in different scales by creating an enlarged plan and a construction detail. It will also introduce the concept of raster and vector applied to a section/elevation technique that combines Photoshop and Illustrator.

- *Project 6: Final Document*

In the final task, students will make revisions of the previous drawings to compile a good quality document in a PDF format that will include a cover sheet, base map, concept/bubble diagram, illustrative conceptual master plan, technical conceptual master plan and detailed studies.

- **Course Grading:** Levels of evaluation used for grading

A 90-100 Excellent

This grade is achieved by the student that completes all requirements, on time, in an extraordinary manner. The required work is creative, well-developed, and impeccable in execution and craft. The student generates studies beyond the assigned work and makes excellent and consistent progress in their work

B 80-89.99 Good

This grade is achieved by the student that completes all requirements, on time, in good manner. The required work is creative, well-developed, carefully executed, and of good craft. The student generates studies beyond the assigned work and makes excellent and consistent progress in their work

C 70-79.99 Average

This grade is achieved by the student that completes all requirements, on time, in an average manner. The required work is average in creativity, development, care and craft. The student makes average progress in their work

D 60-69.99 Below Average

This grade is achieved by the student that completes all requirements, on time, in a poor manner. The required work is not developed and is without dedication. The student is disengaged and makes poor progress in their work

E 0-59.99 Failure

This grade is achieved by the student that submits unacceptable work. The required work is under-developed and without dedication. The student makes unacceptable progress in their work.

- **Final Exam Information:**

Keyboard Exam during the Scheduled Final Exam Period: (40%)

This will be an open notes/book/help file exam keyboard/mouse final on a University owned computer. You will NOT be able to utilize any help from other people. You will be given a problem or a series of problems, data, and time to produce a product or a series of products based on concepts and approaches we have covered through the course. There are typically short answer, true/false, fill in the blank, etc., types of questions as well. The exam is scheduled for April 30th, 2012, at 8am.

- **Mid-term Grades:**

Mid-term grade will be posted in *myUK* by the deadline established in the Academic Calendar (<http://www.uky.edu/Registrar/AcademicCalendar.htm>)

- **Course Policies:**

Attendance Policy:

Each three unexcused absences will result in a deduction of one letter grade in the semester grade.

Excused Absence:

Students need to notify the professor of absences prior to class when possible. Senate Rule 5.2.4.2 defines the following as acceptable reasons for excused absences: (a) serious illness, (b) illness or death of family member, (c) University-related trips, (d) major religious holidays, and (e) other circumstances found to fit “reasonable cause for nonattendance” by the professor.

Students anticipating an absence for a major religious holiday are responsible for notifying the instructor in writing of anticipated absences due to their observance of such holidays no later than the last day in the semester to add a class. Information regarding dates of major religious holidays may be obtained through the religious liaison, Mr. Jake Karnes (859-257-2754).

Students are expected to withdraw from the class if more than 20% of the classes scheduled for the semester are missed (excused or unexcused) per university policy.

Verification of Absence:

Students may be asked to verify their absences in order for them to be considered excused. Senate Rule 5.2.4.2 states that faculty have the right to request “appropriate verification” when students claim an excused absence because of illness or death in the family. Appropriate notification of absences due to university-related trips is required prior to the absence.

Academic Integrity:

Academic honesty is fundamental to the activities and principles of the university. All members of the academic community must be confident that each person’s work has been responsibly and honorably acquired, developed, and presented. The academic community regards academic dishonesty as an extremely serious matter with serious consequences that range from failing the course to expulsion from the university. When in doubt about plagiarism, consult the instructor.

Per university policy, students shall not plagiarize, cheat, or falsify or misuse academic records. Students are expected to adhere to University policy on cheating and plagiarism in all courses. The minimum penalty for a first offense is a zero on the assignment on which the offense occurred. If the offense is considered severe or the student has other academic offenses on their record, more serious penalties, up to suspension from the university may be imposed.

Plagiarism and cheating are serious breaches of academic conduct. Each student is advised to become familiar with the various forms of academic dishonesty as explained in the Code of Student Rights and Responsibilities. Complete information can be found at the following website:

<http://www.uky.edu/Ombud>. A plea of ignorance is not acceptable as a defense against the charge of academic dishonesty. It is important that you review this information as all ideas borrowed from others need to be properly credited.

Part II of *Student Rights and Responsibilities* (<http://www.uky.edu/StudentAffairs/Code/part2.html>) states that all academic work, written or otherwise, submitted by students to their instructors or other academic supervisors, is expected to be the result of their own thought, research, or self-expression. In cases where students feel unsure about the question of plagiarism involving their own work, they are obliged to consult their instructors on the matter before submission.

When students submit work purporting to be their own, but which in any way borrows ideas, organization, wording or anything else from another source without appropriate acknowledgement of the fact, the students are guilty of plagiarism. Plagiarism includes reproducing someone else's work, whether it be a published article, chapter of a book, a paper from a friend or some file, or something similar to this. Plagiarism also includes the practice of employing or allowing another person to alter or revise the work which a student submits as his/her own, whoever that other person may be.

Students may discuss assignments among themselves or with an instructor or tutor, but when the actual work is done, it must be done by the student, and the student alone. When a student's assignment involves research in outside sources of information, the student must carefully acknowledge exactly what, where and how he/she employed them. If the words of someone else are used, the student must put quotation marks around the passage in question and add an appropriate indication of its origin. Making simple changes while leaving the organization, content and phraseology intact is plagiaristic. However, nothing in these Rules shall apply to those ideas which are so generally and freely circulated as to be a part of the public domain (Section 6.3.1). **Please note:** Any assignment you turn in may be submitted to an electronic database to check for plagiarism.

Accommodations Due to Disability:

If you have a documented disability that requires academic accommodations, please see me as soon as possible during scheduled office hours. In order to receive accommodations in this course, you must provide me with a Letter of Accommodation from the Disability Resource Center (Room 2, Alumni Gym, 257-2754, email address: jkarnes@email.uky.edu) for coordination of campus disability services available to students with disabilities.

Due Dates

Assignments will be due at the beginning of class the day that is specified. A project submitted on time, but incomplete, will be evaluated as it stands. A project submitted late will be lowered one letter grade each calendar day it is late. In keeping with departmental policy, equipment failure (plotters and printers) is not a legitimate excuse for late work. You must be in class to present your project on the day that the project is reviewed to receive a grade. Extenuating circumstances such as illness or serious personal problems should be discussed with the instructor in advance of an absence when possible.

Professionalism

- Each project assignment should be properly labeled with studio title, project title, and date. Individual assignment sheets are to be identified with student's full name on every page or sheet of each submission.
- During lab work days students should take advantage of the instructor time to ask questions. Do not wait until the day before the assignment is due to ask for help. Production of good quality final presentation drawings takes time and is not something you can achieve the night before the deadline.
- On due dates, projects should be pinned up at the beginning of the class. After critique projects are to be submitted to the instructor for final grading. It is your responsibility to make sure the instructor has your assignment by the submittal deadline.
- Corrections or 'redlines' are an essential part of the design process. Work submitted on time will be 'redlined' so students can make necessary changes for the semester end final presentation. It is encouraged that students take advantage of this opportunity. The original grade and resubmitted grade will be averaged in the final project grade.
- We are in a computer lab space so it is expected that you abide by the computer lab regulations.

- **Schedule** (subject to change)

WEEK 1

11-Jan Syllabus review
Lecture: Autodesk. Mac/PC. Managing files/ and folder structure
13-Jan Chapter 1: Starting to Draw
Chapter 2: Opening a Drawing
Chapter 3: Using Commands
Chapter 4: Specifying Coordinates
Chapter 5: Setting Up a Drawing

WEEK 2

16-Jan Martin Luther King Birthday – Academic Holiday
18-Jan Chapter 6: Drawing Simple Lines
Chapter 7: Drawing Curves and Points
Chapter 8: Viewing Your Drawing
20-Jan Chapter 9: Editing Your Drawing with Basic Tools
Chapter 10: Editing Your Drawing with Advanced Tools

WEEK 3

23-Jan Chapter 11: Organizing Drawings with Layers and Object Properties
Chapter 20: Referencing Other Drawings
Exercise: Topography
25-Jan Work in class
27-Jan No lab available

WEEK 4

30-Jan **Project 1: Base Map**
1-Feb Work in class
3-Feb Work in class

WEEK 5

6-Feb Chapter 16: Drawing Complex Objects
Chapter 17: Plotting and Printing Your Drawing
8-Feb Work in class
10-Feb Work in class

WEEK 6

13-Feb **Project 1 Due**
Project 2: Concept/Bubble Diagram
Chapter 13: Creating Text
15-Feb Work in class
17-Feb Work in class

WEEK 7

20-Feb **Project 2 Due**
Project 3: Illustrative Conceptual Master Plan
22-Feb Chapter 18: Working with Blocks
Chapter 19: Adding Attributes to Blocks
CAD Details
24-Feb No lab available

WEEK 8

27-Feb Work in class
29-Feb Work in class
2-Mar **Project 3 Due**
Project 4: Technical Conceptual Master Plan

WEEK 9

5-Mar **Mid-Term Grades**
Chapter 12: Obtaining Information from Your Drawing
Chapter 14: Drawing Dimensions
Chapter 15: Creating Dimension Styles
7-Mar Work in class
9-Mar Work in class

WEEK 10

12-Mar **Spring Vacation – Academic Holiday**
14-Mar **Spring Vacation – Academic Holiday**
16-Mar **Spring Vacation – Academic Holiday**

WEEK 11

19-Mar Work in class
21-Mar **Exercise: Survey**
23-Mar **Exercise: Survey**
No lab available

WEEK 12

26-Mar **Project 4 Due**
Project 5: Detailed Studies (Enlarged Plan View, Sections, and Details)
28-Mar Raster and Vector Formats
Sections Combining AutoCAD, Photoshop and Illustrator
30-Mar Work in class

WEEK 13

2-Apr Work in class
4-Apr Work in class
6-Apr Work in class

WEEK 14

9-Apr Work in class
11-Apr Work in class
13-Apr **Lecture: Vectorworks**

WEEK 15

16-Apr **Project 5 Due**
Project 6: Final Document
18-Apr Work in class
20-Apr No lab available

WEEK 16

23-Apr Work in class
25-Apr Work in class
27-Apr **Project 6 Due**

WEEK 17

30-Apr **Final Exam**