

# NEW COURSE FORM

<b>1. General Information.</b>					
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 <sup>1</sup> : _____		
<b>2. Designation and Description of Proposed Course.</b>					
a.	Prefix and Number: LA 863				
b.	Full Title: Digital Representation II				
c.	Transcript Title (if full title is more than 40 characters): _____				
d.	To be Cross-Listed <sup>2</sup> 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 <sup>3</sup> for each meeting pattern type.				
	2 Lecture	_____ Laboratory <sup>1</sup>	_____ Recitation	_____ Discussion	_____ Indep. Study
	_____ Clinical	_____ Colloquium	_____ Practicum	_____ Research	_____ Residency
	_____ Seminar	2 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:	Digital Representation II introduces students to the representation of essential elements of the landscape (structures, landform, water, vegetation, and atmosphere) in three dimensions utilizing Autodesk and Sketch Up software. Students learn about basic 3D modeling tools that will prepare them later in the course to experiment with a variety of visualization methods. Students will test the appropriateness of visualization methods in search of a balance between realistic representations and software limitations. Lecture, 2 hours; studio, 2 hours per week. Prereq: LA 862.			
j.	Prerequisites, if any: LA 862				
k.	Will this course also be offered through Distance Learning?			YES <sup>4</sup> <input type="checkbox"/>	NO <input checked="" type="checkbox"/>

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

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

<sup>3</sup> 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)

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

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<b>I.</b>	Supplementary teaching component, if any:	<input type="checkbox"/> Community-Based Experience	<input type="checkbox"/> Service Learning	<input type="checkbox"/> Both
<b>3.</b>	<b>Will this course be taught off campus?</b>	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>	
<b>4.</b>	<b>Frequency of Course Offering.</b>			
<b>a.</b>	Course will be offered (check all that apply):	<input checked="" type="checkbox"/> Fall	<input type="checkbox"/> Spring	<input type="checkbox"/> Summer
<b>b.</b>	Will the course be offered every year?	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	
	If NO, explain:	_____		
<b>5.</b>	<b>Are facilities and personnel necessary for the proposed new course available?</b>	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	
	If NO, explain:	_____		
<b>6.</b>	<b>What enrollment (per section per semester) may reasonably be expected?</b>	20		
<b>7.</b>	<b>Anticipated Student Demand.</b>			
<b>a.</b>	Will this course serve students primarily within the degree program?	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	
<b>b.</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:	_____		
<b>8.</b>	<b>Check the category most applicable to this course:</b>			
	<input type="checkbox"/> Traditional – Offered in Corresponding Departments at Universities Elsewhere			
	<input checked="" type="checkbox"/> Relatively New – Now Being Widely Established			
	<input type="checkbox"/> Not Yet Found in Many (or Any) Other Universities			
<b>9.</b>	<b>Course Relationship to Program(s).</b>			
<b>a.</b>	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>b.</b>	Will this course be a new requirement <sup>5</sup> for ANY program?	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>	
	If YES <sup>5</sup> , list affected programs:	_____		
<b>10.</b>	<b>Information to be Placed on Syllabus.</b>			
<b>a.</b>	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 <b>10.b</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 <i>SR 3.1.4.</i> )			
<b>b.</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 <b>10.a</b> above) are attached.			

<sup>5</sup> 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 863

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 <sup>6</sup>
Undergraduate Council	3/27/2012	Sharon Gill	
Graduate Council			
Health Care Colleges Council			
Senate Council Approval		University Senate Approval	

Comments:

<sup>6</sup> 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 863 Digital Representation II  
**Location:** E. S. Good Barn  
**Time:** TR 6:00 – 8:30

**Instructor:** Carolina Segura

E-mail: [carolina.segura@uky.edu](mailto:carolina.segura@uky.edu)

Office hours: Tuesday and Thursday 9:00 to 10:00 am or by appointment  
 S305 Agriculture Science Building (859) 257-9193

### Course Description

*Digital Representation II introduces students to the representation of essential elements of the landscape (structures, landform, water, vegetation, and atmosphere) in three dimensions utilizing Autodesk and Sketch Up software. Students learn about basic 3D modeling tools that will prepare them later in the course to experiment with a variety of visualization methods. Students will test the appropriateness of visualization methods in search of a balance between realistic representations and software limitations.*

*Prereq: LA 862 Graphics II*

**‘We make models to make explorations or to convey messages, and the infinite variety of explorations and messages will surely yield an equally boundless variety of digital landscape models’.**

**- Stephen M. Ervin**

Two dimensional drawings – maps, plans and sections - are the most used techniques for representing design intent; nevertheless, the use of geometric perspectives since the 1400’s and in recent years computer generated models have provided the techniques to represent three dimensions of real landscapes or design intent on a flat piece of paper or computer screen.

With the evolution of the landscape architecture profession, the representation techniques have also evolved toward a more efficient and realistic outcome. There is a variety of software that allows designers to represent in three dimensions. As explained by Alexander Vasiliuk in “*Key to 3D Success*,” every 3D software program is designed to do some task better than another program. For example, 3ds Max is a leader in 3D modeling while Maya is best for animation; Rhino and Blender are good for modeling and have useful tools to speed up the process, but SketchUp and Cinema 4 are getting better.

### Student Learning Outcomes

Through your whole-hearted participation in this course you will be able to:

- apply a range of modeling technologies to the representation of landscape proposals.
- evaluate the appropriate alignment of tools and media with the intent of design communications and then organize a work flow to produce visual models.
- Create complex three-dimensional visual models of design and planning proposals.

### Required Materials:

#### *Hardware*

Refer to the LA Majors Computer Hardware Recommendations.

#### *Software*

Legal, 36 month free student versions of AutoCAD, AutoCAD Map 3D, Civil 3D, Autodesk 3ds Max Design, and Autodesk Navisworks Manage software is available for download from Autodesk. The

following link [https://students.autodesk.com/?nd=download\\_center&tagent=SCT-murl-SG-9-26-2011](https://students.autodesk.com/?nd=download_center&tagent=SCT-murl-SG-9-26-2011) will take you to the product download web page. You will need to register as a student, select a user name and password before starting to download. *'The installation file(s) can be downloaded as many times as you want, but each Education Community member is issued only one serial number for that version within a 3-year period. Without a serial number, the downloaded file will only work for a 30-day trial period.'*

A free version of Google SketchUp is available at <http://sketchup.google.com/intl/en/product/gsu.html>

### Required Readings

There are three required texts for LA 863:

- Tal, Daniel. 2009. *'Google SketchUp for Site Design. A Guide to Modeling Site Plans, Terrain, and Architecture'*.
- Ervin, Stephen. 2001. *'Landscape Modeling: Digital Techniques for Landscape Visualization'*
- Cantrell, Bradley. 2012. *'Modeling the environment: Techniques and Tools for the 3D Illustration of Dynamic Landscapes'*.

One additional book is recommended but not required:

- *'Plan Graphics'*. David Davis

You will continue to use books purchased in previous classes:

- Finkelstein, Ellen. 2011. *'AutoCAD 2012 & AutoCAD LT 2012'*.

Photocopies and/or other readings also will be assigned.

Other resources: Autodesk <http://usa.autodesk.com>

### Course Activities and Assignments

20%	Short Exercises
20%	Project 1: Forest
20%	Project 2: Agricultural Landscape
20%	Project 3: Urban Landscape
20%	Attendance and Participation or 40% Keyboard Final Exam
100%	Total

### Course Grading

Levels of evaluation used for grading

A 90-100 Excellent

This grade is achieved by the student who 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 Good

This grade is achieved by the student who completes all requirements, on time, in a 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 Average

This grade is achieved by the student who 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 Below Average

This grade is achieved by the student who 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 Failure

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

### **Final Exam Information/Attendance:**

*Keyboard Exam during the scheduled Final Exam Period: (40%)*

This will be an open notes/book/help file exam keyboard/mouse final on the 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 30, 2012, at 8:00 a.m.

### **Mid term Exam Information:**

Mid-term grades 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 from 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](mailto: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. Students are encouraged to take advantage of this opportunity. The original grade and resubmitted grade will be averaged for the final project grade.
- Class is held in a computer lab space, thus it is expected that you will abide by the computer use regulations stipulated by the university and department.



# NEW COURSE FORM

<b>1. General Information.</b>				
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 <sup>1</sup> : _____
<b>2. Designation and Description of Proposed Course.</b>				
a.	Prefix and Number: LA 890			
b.	Full Title: International Study			
c.	Transcript Title (if full title is more than 40 characters):	_____		
d.	To be Cross-Listed <sup>2</sup> 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 <sup>3</sup> for each meeting pattern type.			
	_____ Lecture	_____ Laboratory <sup>1</sup>	_____ Recitation	_____ Discussion
	_____ Clinical	_____ Colloquium	_____ Practicum	_____ Research
	_____ Seminar	_____ Studio	3 Other – Please explain:	study tour
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 checked="" type="checkbox"/> NO <input type="checkbox"/>
	If YES:	Maximum number of credit hours:	6	
	If YES:	Will this course allow multiple registrations during the same semester?	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>
i.	Course Description for Bulletin:	Advanced topical studies in landscape architecture allowing for individual research or a work/travel experience coordinated with an academic pursuit. May be repeated to a maximum of six credits.		
j.	Prerequisites, if any:	_____		
k.	Will this course also be offered through Distance Learning?			YES <sup>4</sup> <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
<b>3.</b>	<b>Will this course be taught off campus?</b>			YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>
<b>4. Frequency of Course Offering.</b>				

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