

## 1. General Information

1a. Submitted by the College of: AGRICULTURE, FOOD AND ENVIRONMENT

Date Submitted: 2/10/2016

1b. Department/Division: Landscape Architecture

1c. Contact Person

Name: Brian Lee

Email: blee@uky.edu

Phone: 257-7205

Responsible Faculty ID (if different from Contact)

Name: Chris Sass

Email: chris.sass@uky.edu

Phone: 257-3485

1d. Requested Effective Date: Semester following approval

1e. Should this course be a UK Core Course? No

## 2. Designation and Description of Proposed Course

2a. Will this course also be offered through Distance Learning?: No

2b. Prefix and Number: LA 531

2c. Full Title: Water in Urbanizing Landscapes

2d. Transcript Title:

2e. Cross-listing:

2f. Meeting Patterns

LECTURE: 2

LABORATORY: 2

2g. Grading System: Letter (A, B, C, etc.)

2h. Number of credit hours: 3

2i. Is this course repeatable for additional credit? No

If Yes: Maximum number of credit hours:

If Yes: Will this course allow multiple registrations during the same semester?

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MAY 18 2016

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SENATE COUNCIL

2j. **Course Description for Bulletin:** This course is an introductory overview to water processes and water management in a watershed. An emphasis will be placed on hydrological landscape processes, best management practices and classification of streams, as well as storm water and water management in urban and suburban settings. Data collection, analysis, and fieldwork will be a required portion of the class during the lab section. Lecture, 2 hrs; laboratory, 2 hrs per week. Prereq: PLS 366 or consent of the instructor.

2k. **Prerequisites, if any:** Prereq: PLS 366 or consent of the instructor.

2l. **Supplementary Teaching Component:**

3. **Will this course taught off campus?** No

If YES, enter the off campus address:

4. **Frequency of Course Offering:** Spring,

**Will the course be offered every year?:** Yes

If No, explain:

5. **Are facilities and personnel necessary for the proposed new course available?:** Yes

If No, explain:

6. **What enrollment (per section per semester) may reasonably be expected?:** 15

7. **Anticipated Student Demand**

**Will this course serve students primarily within the degree program?:** Yes

**Will it be of interest to a significant number of students outside the degree pgm?:** Yes

**If Yes, explain:** This course will focus on water management and water demand in a variety of ways. With the anticipated water shortage quickly approaching, courses that help citizens understand water and its movement through the landscape will assist our future water management strategies and help their political decision making.

8. **Check the category most applicable to this course:** Relatively New – Now Being Widely Established,

If No, explain:

9. **Course Relationship to Program(s).**

a. **Is this course part of a proposed new program?:** No

If YES, name the proposed new program:

b. **Will this course be a new requirement for ANY program?:** No

If YES, list affected programs:

10. **Information to be Placed on Syllabus.**

a. **Is the course 400G or 500?:** Yes

b. **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:** Yes

## Distance Learning Form

Instructor Name:

Instructor Email:

Internet/Web-based: No

Interactive Video: No

Hybrid: No

1. How does this course provide for timely and appropriate interaction between students and faculty and among students? Does the course syllabus conform to University Senate Syllabus Guidelines, specifically the Distance Learning Considerations?

2. How do you ensure that the experience for a DL student is comparable to that of a classroom-based student's experience? Aspects to explore: textbooks, course goals, assessment of student learning outcomes, etc.

3. How is the integrity of student work ensured? Please speak to aspects such as password-protected course portals, proctors for exams at interactive video sites; academic offense policy; etc.

4. Will offering this course via DL result in at least 25% or at least 50% (based on total credit hours required for completion) of a degree program being offered via any form of DL, as defined above?

If yes, which percentage, and which program(s)?

5. How are students taking the course via DL assured of equivalent access to student services, similar to that of a student taking the class in a traditional classroom setting?

6. How do course requirements ensure that students make appropriate use of learning resources?

7. Please explain specifically how access is provided to laboratories, facilities, and equipment appropriate to the course or program.

8. How are students informed of procedures for resolving technical complaints? Does the syllabus list the entities available to offer technical help with the delivery and/or receipt of the course, such as the Information Technology Customer Service Center (<http://www.uky.edu/UKIT/>)?

9. Will the course be delivered via services available through the Distance Learning Program (DLP) and the Academic Technology Group (ATL)? NO

If no, explain how student enrolled in DL courses are able to use the technology employed, as well as how students will be provided with assistance in using said technology.

10. Does the syllabus contain all the required components? NO

11. I, the instructor of record, have read and understood all of the university-level statements regarding DL.

Instructor Name:

SIGNATURE|NCRANKSH|Ned Crankshaw|LA 531 NEW Dept Review|20160211

SIGNATURE|LGRABAU|Larry J Grabau|LA 531 NEW College Review|20160226

SIGNATURE|JMETT2|Joanie Eit-Mims|LA 531 NEW Undergrad Council Review|20160413

SIGNATURE[ZNNIKO0]Roshan N Nikou|LA 531 NEW Graduate Council Review|20160512

### New Course Form

<https://myuk.uky.edu/sap/bc/soap/rfc?services=>

Open in full window to print or save

Generate F

Attachments:

Browse...

Upload File

	ID	Attachment
Delete	6675	FINALREV-LA531UK_S2016_2.pdf

First 1 Last

(\*denotes required fields)

**1. General Information**

- a. \* Submitted by the College of:  Submission Date:
- b. \* Department/Division:
- c.
  - \* Contact Person Name:  Email:  Phone:
  - \* Responsible Faculty ID (if different from Contact)  Email:  Phone:
- d. \* Requested Effective Date:  Semester following approval OR  Specific Term/Year<sup>1</sup>
- e.
  - Should this course be a UK Core Course?  Yes  No
  - If YES, check the areas that apply:
    - Inquiry - Arts & Creativity  Composition & Communications - II
    - Inquiry - Humanities  Quantitative Foundations
    - Inquiry - Nat/Math/Phys Sci  Statistical Inferential Reasoning
    - Inquiry - Social Sciences  U.S. Citizenship, Community, Diversity
    - Composition & Communications - I  Global Dynamics

**2. Designation and Description of Proposed Course.**

- a. \* Will this course also be offered through Distance Learning?  Yes<sup>4</sup>  No
- b. \* Prefix and Number:
- c. \* Full Title:
- d. Transcript Title (if full title is more than 40 characters):
- e. To be Cross-Listed<sup>2</sup> with (Prefix and Number):
- f. \* Courses must be described by at least one of the meeting patterns below. Include number of actual contact hours<sup>3</sup> for each meeting pattern type.
 

<input type="text" value="2"/> Lecture	<input type="text" value="2"/> Laboratory <sup>1</sup>	<input type="text"/> Recitation	<input type="text"/> Discussion
<input type="text"/> Indep. Study	<input type="text"/> Clinical	<input type="text"/> Colloquium	<input type="text"/> Practicum
<input type="text"/> Research	<input type="text"/> Residency	<input type="text"/> Seminar	<input type="text"/> Studio
<input type="text"/> Other	If Other, Please explain: <input type="text"/>		
- g. \* Identify a grading system:
  - Letter (A, B, C, etc.)
  - Pass/Fail
  - Medicine Numeric Grade (Non-medical students will receive a letter grade)
  - Graduate School Grade Scale
- h. \* Number of credits:
- i. \* Is this course repeatable for additional credit?  Yes  No
  - If YES: Maximum number of credit hours:
  - If YES: Will this course allow multiple registrations during the same semester?  Yes  No

## j. \* Course Description for Bulletin:

This course is an introductory overview to water processes and water management in a watershed. An emphasis will be placed on hydrological landscape processes, best management practices and classification of streams, as well as storm water and water management in urban and suburban settings. Data collection, analysis, and fieldwork will be a required portion of the class during the lab section. Lecture, 2 hrs; laboratory, 2 hrs per week. Prereq: PLS 366 or consent of the instructor.

## k. Prerequisites, if any:

Prereq: PLS 366 or consent of the instructor.

l. Supplementary teaching component, if any:  Community-Based Experience  Service Learning  Both3. \* Will this course be taught off campus?  Yes  No

If YES, enter the off campus address:

## 4. Frequency of Course Offering.

a. \* Course will be offered (check all that apply):  Fall  Spring  Summer  Winter

b. \* Will the course be offered every year?  Yes  No

If No, explain:

5. \* Are facilities and personnel necessary for the proposed new course available?  Yes  No

If No, explain:

## 6. \* What enrollment (per section per semester) may reasonably be expected? 15

## 7. Anticipated Student Demand.

a. \* Will this course serve students primarily within the degree program?  Yes  No

b. \* Will it be of interest to a significant number of students outside the degree pgm?  Yes  No

If YES, explain:

This course will focus on water management and water demand in a variety of ways. With the anticipated water shortage quickly approaching, courses that help citizens understand water and its movement through the landscape

## 8. \* Check the category most applicable to this course:

- Traditional – Offered in Corresponding Departments at Universities Elsewhere  
 Relatively New – Now Being Widely Established  
 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  No

If YES, name the proposed new program:

b. \* Will this course be a new requirement<sup>5</sup> for ANY program?  Yes  No

If YES<sup>5</sup>, list affected programs:

## 10. Information to be Placed on Syllabus.

a. \* Is the course 400G or 500?  Yes  No

If YES, the *differentiation for undergraduate and graduate students must be included* in the information required in 10.b. You must include: (i) identify additional assignments by the graduate students; and/or (ii) establishment of different grading criteria in the course for graduate students. (See SR

b.  \* The syllabus, including course description, student learning outcomes, and grading policies (and 400G-/500-level grading differentiation if applicable above) are attached.

<sup>5</sup> Courses are typically made effective for the semester following approval. No course will be made effective until all approvals are received.

<sup>6</sup> The chair of the cross-listing department must sign off on the Signature Routing Log.

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, require two hours per week for a semester for one credit hour. (From SR 5.2.1)

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

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

Rev 8/09

## LA 531: Water in the Urbanizing Landscape

Spring 2016 MW 10:00-10:50AM (Lecture)

F 9:00AM – 10:50AM (Lab)

Agricultural Science Building S221

### Syllabus

<b>Instructor:</b>	Chris Sass, Ph.D.
<b>Office Address:</b>	S-305D Agricultural Science North 1100 South Limestone Street Lexington, Kentucky 40546-0091
<b>Office Phone:</b>	(859) 257-3485 (voicemail is available)
<b>Email:</b>	<a href="mailto:Chris.Sass@uky.edu">Chris.Sass@uky.edu</a>
<b>Office Hours:</b>	M, W - 8:00- 10:00a or by appointment
<b>Class Schedule:</b>	MW 10-10:50AM (Lecture, two hours per week) F 9:00–10:50AM (Lab, two hours per week)
<b>Class Location:</b>	S221 Agricultural Science Building
<b>Credit Hours:</b>	3 hrs
<b>Additional Hours per week:</b>	6 hrs
<b>Prerequisites:</b>	PLS 366 or instructor permission

#### Course Description

This course is an introductory overview to water processes and water management in a watershed. An emphasis will be placed on hydrological landscape processes, best management practices and classification of streams, as well as storm water and water management in urban and suburban settings. Data collection, analysis, and fieldwork will be a required portion of the class during the lab section. Lecture, 2 hrs; laboratory, 2 hrs per week. Prereq: PLS 366 or consent of instructor.

#### Introduction

*“What seems simple at first becomes more complex upon further inspection.”* Anon.

*“A watershed is a marvelous thing to consider: this process of rain falling, streams flowing and oceans evaporating causes every molecule of water on earth to make the complete trip once every two million years. The surface is carved into watersheds – a kind of familial branching, a chart of relationship, and a definition of place. The watershed is the first and last nation whose boundaries, though subtly shifting, are unarguable. Races of birds, subspecies of trees, and types of bats or rain gear often go by the watershed. For the watershed, cities and dams are ephemeral and of no more account than the boulder that falls in the river or a landslide that temporarily alters the channel. The water will always be there, and it will always find its way down.”*

Coming into a watershed in “A Place in Space,” Gary Snyder. Counterpoint Press, 1995

*“We live on the surface of a planet that is in slow but constant change. The processes accomplishing that change operate because the planet is very special – special in position in the solar system and special in size. Earth moves in an orbit nearer to the sun than Mars, but more distant than Mercury or Venus. If Earth were appreciably closer to the sun, liquid water would not exist; it would only occur as vapor. And if the Earth were much farther from the sun, water would be forever frozen. Moreover, Earth is just the right size, large enough to have a semimolten mantle from which volcanoes can erupt, bringing water vapor to the surface. Through this mechanism, it is believed, the oceans of the Earth were slowly developed.... Thus, by coincidence of favorable size and location in the solar system, Earth alone among the planets has oceans, an atmosphere, and thus a hydrologic cycle.”*

The River Channel in “A View of the River,” L.B. Leopold. Harvard University Press, 1994



### Course Objectives

This course is designed to provide a foundational understanding of hydrology, the study of water, in the landscape. We will cover some key aspects critical to landscape architecture, such as precipitation and movement of water through the landscape, hypothetical ideals behind BMPs, and fluvial geomorphological concepts. Periodically, during the course we will be out in the field measuring, observing and, ultimately, learning to listen to the landscape.

### Student Learning Outcomes

- Sketch the hydrologic cycle in urban landscapes and the variables effecting this cycle
- Demonstrate use of Best Management Practices (BMPs) appropriate to given situations in the urban landscape
- Demonstrate a common vocabulary found in water resources through the case study paper
- Demonstrate field observation skills through stream measurement exercises and field days

### Additional Graduate Student Learning Outcomes

- Apply NRC SVAPv2 to urban watersheds
- Describe and present SVAPv2 to others who have little knowledge of the process

### Required Materials

Brooks, Kenneth N., P. F. Ffolliott, and J. A. Magner. (2013). Hydrology and the Management of Watersheds 4<sup>th</sup> edition. John Wiley and Sons. Ames, IA.

Other readings as assigned that will be available through the University of Kentucky Library system or publically available sources at no additional cost to you.

### Semester Assignment Descriptions & Grade Point Distribution

#### Attendance

Attendance is expected for all scheduled lecture and lab/field sessions. Exceptions can be made for extenuating circumstances provided you submit appropriate documentation. As standard operating procedure set forth by the university, the following information controls how absences should be addressed. 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.

#### Verification of Absences

Senate Rule 5.2.4.2 provides, in relevant part, that "if a student has excused absences in excess of one-fifth of the class contact hours for that course, a student shall have the right to petition for a 'W,' and the Instructor of Record may require the student to petition for a 'W' or take an 'I' in the course." *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 when feasible and in no case more than one week after the absence.

Per *Senate Rule 5.2.4.2*, students missing any graded work due to an excused absence are responsible: for informing the Instructor of Record about their excused absence within one week following the period of the excused absence (except where prior notification is required); and for making up the missed work. The professor must give the student an opportunity to make up the work and/or the exams missed due to an excused absence, and shall do so, if feasible, during the semester in which the absence occurred.

#### Religious Holidays

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. Two weeks prior to the absence is reasonable, but should not be given any later. Information regarding major religious holidays may be obtained through the Ombud (859-257-3737, <http://www.uky.edu/Ombud/ForStudents/ExcusedAbsences.php>).

## Course Assignments and Summary Descriptions

### **Homework Assignments (100-points)**

Throughout the semester, a series of short-problems (3-4) will be assigned to apply the knowledge discussed during that topic section. Students must complete the assignments and submit them for points. These assignments will be graded and returned with suggestions on improvement. Each project's details and due date will be outlined in a project statement provided during class.

### **Stream Classification Exercise (200-points)**

There will be one stream classification effort this semester. Pre-assigned groups of 3-4 people will go out and measure streams and classify them according to Rosgen (1994) classification procedures (Rosgen, 1994, *CATENA*). The groups then will produce a write-up (~5 pages) of each stream and submit the classification. All members of the team will receive the same grade and team members will grade each other on active participation based on a rubric provided. All specialized equipment will be provided. Students are encouraged to organize a car pool(s) to make off-campus travel easier and more efficient.

### **Case Study Research Project (400-points)**

This project will consist of a semester long case study assessing and researching a water related topic of your choice. The research project due date will be listed in the course schedule and all other intermediate due dates are also listed. The paper itself will be worth 250-points, while the presentation will be worth 150-points. Details and due dates will be provided in the project statement provided during class.

### **Graduate Student Assignment (400-points)**

As a requirement to receive graduate credit for this course, graduate students must complete one Stream Visual Assessment Protocol v.2 (SVAPv2) in an urban setting. This assignment will be due the Friday before Finals Week. Details will be outlined in the project statement provided during class.

### **Participation (0-50-points)**

This score is based on my impression on the amount and quality of your participation. A lot of this course is about working with, learning from and teaching your peers. Asking questions, helping a classmate, and relating how you have seen landscape architectural applications used outside of this course are all examples of good class participation. Surfing the web for unrelated websites, texting, cellular usage are all examples of disruptive activities and can result in appropriate academic penalties; at a minimum, you will not receive any credit for class participation. If you are unsure of what constitutes appropriate participation, please ask.

### **Mid-term & Final grades**

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

### **Submission of Assignments**

Submission methods are indicated in the course schedule.

### **Late Assignments**

**Late assignments will not be accepted.** Assignments are due at the **beginning of class**. Excused absences in accordance with University policy require written documentation and are required to waive this rule. When an assignment is missed due to an excused absence, the student shall meet with the professor to determine the most reasonable, modified due date. If you anticipate losing computing access, animals eating your work, social life taking an inordinate amount of your time, being abducted by aliens, or any other inconvenience, I suggest you start early on the class work.

### **General Evaluation Guidelines**

When reviewing assignments for grading purpose these are the generalized descriptions used to evaluate your work. If you have questions about these general descriptions, please ask me for more information.

#### **Undergraduate Grading Scale (750 total possible points):**

- A = 90–100% 675-750pts**
- B = 80-89% 600-674**
- C = 70–79 % 525-599**
- D = 60–69 % 450-524**
- E = ≤ 59% <450**

#### **Graduate Grading Scale (1150 total possible points):**

- A = 90–100% 1035-1150pts**
- B = 80-89% 920-1034**
- C = 70–79% 805-919**
- E = ≤ 69% <805**

#### **Excellent 90-100% (A)**

This is work that reflects truly superior ability, logically thought out, and presented. Changes or revisions would be minor, if any. The student demonstrates a superior grasp of the subject matter and an ability to go beyond the given material in a critical and constructive manner. The student demonstrates a high degree of creative and/or logical thinking; a superior ability to organize, analyze, and integrate ideas with a thorough familiarity of the relevant literature and techniques.

#### **Good 80-89% (B)**

Work that illustrates comprehension of the theory and concepts involved in the project, but may need slight revision. This work represents more than adequate performance in which the student demonstrates a thorough grasp of the subject matter, and an ability to organize and examine the material in a critical and constructive manner. The student demonstrates a good understanding of the relevant issues and a familiarity with relevant literature and techniques. There are no spelling and/or grammatical errors. Direct writing is demonstrated, meaning the submission has minimal to no prepositional phrases, superfluous word choice(s).

#### **Acceptable 70-79% (C)**

This work shows and indicates satisfactory understanding and execution of the project. Moderate revisions would be necessary before it could be discussed with a client. The student demonstrates an adequate grasp of the subject matter and a moderate ability to examine the material in a critical and constructive manner in this performance. The student displays an adequate understanding of the relevant issues, and a general familiarity with the relevant literature and techniques. There are multiple spelling and/or grammatical errors and the writing is less than direct.

#### **Below Acceptable 60-69% (D-undergraduate only)**

The work is incomplete, poor, and inconsistent. Work shows lack of comprehension of subject matter and would require extensive revisions. A performance in which the student demonstrates a familiarity with the subject matter, but whose attempts to examine the material in a critical and constructive manner is only partially successful. The student displays some understanding of the relevant issues and some familiarity with the relevant literature and techniques. The writing needs to be revised for spelling, word choice, sentence structure, and grammar.

#### **Not Acceptable 0-59% (E-69 or below for graduate work)**

Work is incomplete and project shows a failure to comprehend and present subject matter. The final work is not provided in a word processed printed format.

### **Academic Integrity**

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.

*Senate Rules 6.3.1* (see <http://www.uky.edu/Faculty/Senate/> for the current set of *Senate Rules*) 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 a question of plagiarism involving their 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 content from another source without appropriate acknowledgment of the fact, the students are guilty of plagiarism.

Plagiarism includes reproducing someone else's work (including, but not limited to a published article, a book, a website, computer code, or a paper from a friend) without clear attribution. 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 or information, the student must carefully acknowledge exactly what, where and how he/she has 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.

Please note: Any assignment you turn in may be submitted to an electronic database to check for plagiarism.

### **Professional Ethics & Disruptive Behavior**

The instructor(s) and the University of Kentucky respect the dignity of all and value differences among members of our academic community. This course contains a lot of discussion. There might even be some debate. This is part of academic discovery. You may respectfully disagree from time-to-time. As a student, you clearly have the right to take reasoned exception and to voice opinions contrary to those offered by the instructor and/or other students (S.R. 6.1.2). Equally, as a faculty member we have the right --and the responsibility-- to ensure that all academic discourse occurs in a context characterized by respect and civility. Therefore, an accepted level of civility will not include attacks of a personal nature or statements denigrating another on the basis of race, sex, religion, sexual orientation, age, national/regional origin or other such irrelevant factors. If this type of behavior occurs, we will follow the most appropriate course of action through the University of Kentucky.

### **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 (DRC). The DRC coordinates campus disability services available to students with disabilities. It is located on the corner of Rose Street and Huguelet Drive in the

Multidisciplinary Science Building, Suite 407. You can reach them via phone at (859) 257-2754 and via email at [drc@uky.edu](mailto:drc@uky.edu). Their web address is <http://www.uky.edu/StudentAffairs/DisabilityResourceCenter/>.

### **University of Kentucky Student Code of Conduct and Information Technology**

We will follow policies and procedures set forth by the University of Kentucky. More information can be found at <http://ukcc.uky.edu/policies> and related pages. More information about student conduct can be found at <http://www.uky.edu/StudentAffairs/Code/>.

### **Resolution of Differences**

I appreciate you bringing my attention to any perceived or real errors of omission I may have made so that we can resolve any potential differences. In the event that we cannot reach a resolution, I encourage you to exercise your right to contact the University's Academic Ombud's Office. Contact/general information can be found at <http://www.uky.edu/Ombud/index.php>.

### **Tobacco-Free Campus**

Remember, the University's tobacco-free policy prohibits the use of all tobacco products throughout all areas of the contiguous UK campus in Lexington, indoors and out (including parking areas and personal vehicles while on campus). Prohibited tobacco products include traditional cigarettes, e-cigarettes, chewing tobacco, pipes, cigars, and snuff, among others. Staff, faculty and students who violate the policy may face disciplinary action. Obviously, the classroom/studio fall into this and by extension field trips related to this course are included. Use of the products during class will be grounds for you to be required to leave the class for the remainder of the period as if it was an unexcused absence. To learn more about the tobacco-free policy, including links to tobacco cessation resources, visit: <http://www.uky.edu/TobaccoFree/>. The University community appreciates your ongoing respect for, and compliance with, this policy.

### **Syllabus Subject to Change**

The instructor reserves the right to modify this syllabus and subsequent course assignments during the semester to meet the learning objectives of this course. Prior notice will be given if this occurs. Please alert me to any errors/omissions that you may find in this syllabus.

### **Class Schedule** (may change due to weather, school closings, athletic events, etc.)

<b>Jan</b>	<b>13</b>	Opening day (Syllabus, Policies, Questions)	
	<b>15</b>	Foundational terms	
	<b>18</b>	MLK day – no class	
	<b>20</b>	Dam Nation (movie)	
	<b>22</b>	Dam Nation (movie)	
	<b>25</b>	Precipitation	
	<b>27</b>	Soil Water	
	<b>29</b>	Stream Classification Introduction	
	<b>Feb</b>	<b>1</b>	Runoff processes / <b>Topic for paper due</b> (email submission due at 5:00pm)
		<b>3</b>	Runoff processes / Infiltration
<b>5</b>		Bankfull NPS (Western US)	
<b>8</b>		History of humans on flood-prone lands	
<b>10</b>		Flood hazard and calculations	
<b>12</b>		Simon-Hupp (Schumm et al) Stream Classification	
<b>15</b>		Drainage basins	
<b>17</b>		Drainage basins	
<b>19</b>		Rosgen Stream Classification	
<b>22</b>		BMPs	
<b>24</b>		BMPs	
<b>26</b>		Bankfull NPS (Eastern US) <b>Annotated Bibliography Due</b> (submission email due at 5:00pm)	

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	29	Management issues
<b>Mar</b>	2	Sediment <b>Read Harrelson et al.</b>
	4	Survey Techniques (From Harrelson et al and Rosgen)
	7	Streams (Midterm grade posted)
	9	Streams
	11	Survey Wolf Run at Gardenside Park <b>Outline for paper due</b> (submission email due at 5:00pm)
	<b>14-19</b>	<b>Spring Break</b> - relax a little
	21	Streams
	23	CELA conference (Sass gone) <b>No Formal Class Scheduled</b>
	25	CELA conference (Sass gone) <b>Work on first part of Stream Classification</b>
	28	<b>Complete Draft paper due</b> (submit hard copy)
	30	Rosgen Stream Classification
<b>Apr</b>	1	Survey Wolf Run at Gardenside Park
	4	Implications for stream management
	6	Implications for stream management
	8	Survey Wolf Run at Gardenside Park
	11	Water Quality Characteristics
	13	In class stream Classification workshop
	15	Finish and turn in Stream Classification
	18	Riparian Communities
	20	Socioeconomic Considerations
	22	<b>Stream Classification Due and Paper Due</b> (submit both hard copy and email submission due at 5:00pm)
	25	<b>Presentations</b>
	27	<b>Presentations</b>
	29	<b>SVAPv2 Due (Graduate students only due at 5:00pm)</b> <i>Last day of classes</i>
<b>May</b>	2 - 6	<b>Finals Week – No final given in this course</b>