

Cover Sheet: Request 12871

JOU xxx: Dataviz and Mapping

Info

Process	Course New Ugrad/Pro
Status	Pending at PV - University Curriculum Committee (UCC)
Submitter	Theodore Spiker tspiker@jou.ufl.edu
Created	7/19/2018 10:48:39 AM
Updated	8/29/2018 2:57:32 PM
Description of request	Permanent course number for Dataviz and Mapping. This class has been taught several times as a special-topics course.

Actions

Step	Status	Group	User	Comment	Updated
Department	Approved	JOU - Journalism 012304000	Theodore Spiker		7/19/2018
No document changes					
College	Approved	JOU - College of Journalism and Communications	Michael Weigold		7/19/2018
No document changes					
University Curriculum Committee	Commented	PV - University Curriculum Committee (UCC)	Andrew Figueroa	Added to September agenda.	8/29/2018
No document changes					
University Curriculum Committee	Pending	PV - University Curriculum Committee (UCC)			8/29/2018
No document changes					
Statewide Course Numbering System					
No document changes					
Office of the Registrar					
No document changes					
Student Academic Support System					
No document changes					
Catalog					
No document changes					
College Notified					
No document changes					

Course|New for request 12871

Info

Request: JOU xxx: Dataviz and Mapping

Description of request: Permanent course number for Dataviz and Mapping. This class has been taught several times as a special-topics course.

Submitter: Theodore Spiker tspiker@jou.ufl.edu

Created: 9/9/2018 9:49:56 AM

Form version: 2

Responses

Recommended Prefix

Enter the three letter code indicating placement of course within the discipline (e.g., POS, ATR, ENC). Note that for new course proposals, the State Common Numbering System (SCNS) may assign a different prefix.

Response:
JOU

Course Level

Select the one digit code preceding the course number that indicates the course level at which the course is taught (e.g., 1=freshman, 2=sophomore, etc.).

Response:
3

Number

Enter the three digit code indicating the specific content of the course based on the SCNS taxonomy and course equivalency profiles. For new course requests, this may be XXX until SCNS assigns an appropriate number.

Response:
xxx

Category of Instruction

Indicate whether the course is introductory, intermediate or advanced. Introductory courses are those that require no prerequisites and are general in nature. Intermediate courses require some prior preparation in a related area. Advanced courses require specific competencies or knowledge relevant to the topic prior to enrollment.

Response:
Intermediate

- 1000 and 2000 level = Introductory undergraduate
- 3000 level = Intermediate undergraduate
- 4000 level = Advanced undergraduate
- 5000 level = Introductory graduate
- 6000 level = Intermediate graduate
- 7000 level = Advanced graduate

4000/5000 and 4000/6000 levels = Joint undergraduate/graduate (these must be approved by the UCC and the Graduate Council)

Lab Code

Enter the lab code to indicate whether the course is lecture only (None), lab only (L), or a combined lecture and lab (C).

Response:
None

Course Title

Enter the title of the course as it should appear in the Academic Catalog.

Response:
Dataviz and Mapping

Transcript Title

Enter the title that will appear in the transcript and the schedule of courses. Note that this must be limited to 21 characters (including spaces and punctuation).

Response:
Dataviz and Mapping

Degree Type

Select the type of degree program for which this course is intended.

Response:
Baccalaureate

Delivery Method(s)

Indicate all platforms through which the course is currently planned to be delivered.

Response:
On-Campus

Co-Listing

Will this course be jointly taught to undergraduate, graduate, and/or professional students?

Response:
No

Co-Listing Explanation

Please detail how coursework differs for undergraduate, graduate, and/or professional students. Additionally, please upload a copy of both the undergraduate and graduate syllabus to the request in .pdf format.

Response:
None

Effective Term

Select the requested term that the course will first be offered. Selecting "Earliest" will allow the course to be active in the earliest term after SCNS approval. If a specific term and year are selected, this should reflect the department's best projection. Courses cannot be implemented retroactively, and therefore the actual effective term cannot be prior to SCNS approval, which must be obtained prior to the first day of classes for the effective term. SCNS approval typically requires 2 to 6 weeks after approval of the course at UF.

Response:
Earliest Available

Effective Year

Select the requested year that the course will first be offered. See preceding item for further information.

Response:
Earliest Available

Rotating Topic?

Select "Yes" if the course can have rotating (varying) topics. These course titles can vary by topic in the Schedule of Courses.

Response:
No

Repeatable Credit?

Select "Yes" if the course may be repeated for credit. If the course will also have rotating topics, be sure to indicate this in the question above.

Response:
No

Amount of Credit

Select the number of credits awarded to the student upon successful completion, or select "Variable" if the course will be offered with variable credit and then indicate the minimum and maximum credits per section. Note that credit hours are regulated by Rule 6A-10.033, FAC. If you select "Variable" for the amount of credit, additional fields will appear in which to indicate the minimum and maximum number of total credits.

Response:
3

S/U Only?

Select "Yes" if all students should be graded as S/U in the course. Note that each course must be entered into the UF curriculum inventory as either letter-graded or S/U. A course may not have both options. However, letter-graded courses allow students to take the course S/U with instructor permission.

Response:
No

Contact Type

Select the best option to describe course contact type. This selection determines whether base hours or headcount hours will be used to determine the total contact hours per credit hour. Note that the headcount hour options are for courses that involve contact between the student and the professor on an individual basis.

Response:

Regularly Scheduled

- Regularly Scheduled [base hr]
- Thesis/Dissertation Supervision [1.0 headcount hr]
- Directed Individual Studies [0.5 headcount hr]
- Supervision of Student Interns [0.8 headcount hr]
- Supervision of Teaching/Research [0.5 headcount hr]
- Supervision of Cooperative Education [0.8 headcount hr]

Contact the Office of Institutional Planning and Research (352-392-0456) with questions regarding contact type.

Weekly Contact Hours

Indicate the number of hours instructors will have contact with students each week on average throughout the duration of the course.

Response:

3

Course Description

Provide a brief narrative description of the course content. This description will be published in the Academic Catalog and is limited to 50 words or fewer. See course description guidelines.

Response:

Covers the foundational skills required for any professional communicator who seeks to tell a visual data story for audiences that rely on cellphones, as well as the basics of geospatial analysis. The emphasis is on data evaluation using code-free tools.

Prerequisites

Indicate all requirements that must be satisfied prior to enrollment in the course. Prerequisites will be automatically checked for each student attempting to register for the course. The prerequisite will be published in the Academic Catalog and must be formulated so that it can be enforced in the registration system. Please note that upper division courses (i.e., intermediate or advanced level of instruction) must have proper prerequisites to target the appropriate audience for the course.

Response:

MMC 2450

Completing Prerequisites on UCC forms:

- Use "&" and "or" to conjoin multiple requirements; do not use commas, semicolons, etc.
- Use parentheses to specify groupings in multiple requirements.
- Specifying a course prerequisite (without specifying a grade) assumes the required passing grade is D-. In order to specify a different grade, include the grade in parentheses immediately after the course number. For example, "MAC 2311(B)" indicates that students are required to obtain a grade of B in Calculus I. MAC2311 by itself would only require a grade of D-.
- Specify all majors or minors included (if all majors in a college are acceptable the college code is sufficient).
- "Permission of department" is always an option so it should not be included in any prerequisite or co-requisite.

*Example: A grade of C in HSC 3502, passing grades in HSC 3057 or HSC 4558, and major/minor in PHHP should be written as follows:
HSC 3502(C) & (HSC 3057 or HSC 4558) & (HP college or (HS or CMS or DSC or HP or RS minor))*

Co-requisites

Indicate all requirements that must be taken concurrently with the course. Co-requisites are not checked by the registration system.

Response:
None

Rationale and Placement in Curriculum

Explain the rationale for offering the course and its place in the curriculum.

Response:
This course will be the second course in a two-course package focusing on data journalism (JOU 3305 is the other). This courses focuses on visual storytelling by journalists through visual representations of data.

Course Objectives

Describe the core knowledge and skills that student should derive from the course. The objectives should be both observable and measurable.

- Response:
- Create a visual, scrollable data story optimized for a cellphone.
 - Identify reliable sources of data, their characteristics and their limitations.
 - Scrutinize data to find insight and patterns of interest to the audience.
 - Match visualization techniques to the data.
 - Use color, type, shapes and other tools to foster accuracy and clarity.
 - Perform basic geospatial analysis suitable for professional communicators.

Course Textbook(s) and/or Other Assigned Reading

Enter the title, author(s) and publication date of textbooks and/or readings that will be assigned. Please provide specific examples to evaluate the course.

Response:
None. Assigned readings from library e-books on Canvas.

Weekly Schedule of Topics

Provide a projected weekly schedule of topics. This should have sufficient detail to evaluate how the course would meet current curricular needs and the extent to which it overlaps with existing courses at UF.

- Response:
- 1 Jan. 9 Introduction Data sources; visual storytelling; planning your data story
Homework Assign 1
 - 2 Jan. 16 Design Principles Color; typography; accessibility; UX; UI; cellphone vs. desktop
Excel Readings on Canvas Homework Assign 2
 - 3 Jan. 23 Data Principles Data limitations; valid comparisons; types of variables
Excel Readings on Canvas Homework Assign 3
 - 4 Jan 30 Data Analysis Variance; correlation; differences in means; statistical significance

- Excel, Tableau Readings on Canvas Homework Assign 4
- 5 Feb. 6 Visual Analysis Scatterplots; histograms; box plots; quartiles Tableau
Readings on Canvas Homework Assign 5
- 6 Feb. 13 Charts Matching chart to data; legends; axes; tailoring for cellphone
Datawrapper Readings on Canvas Homework Assign 6
- 7 Feb. 20 Maps as a Visual Tool Proper use of maps; choropleth, point, heat; mapping data
Tableau
Datawrapper
- Fusion table Readings on Canvas Homework Assign 7
- 8 Feb 27 Visual Storyboarding Storyboard your project, tailored for a cellphone
Outline your story Exam 1 (take at home) due
March 6 No class (spring break)
- 9 March 13 Designing the Story Basics of using a code-free tool to tell a data-driven,
visual story Quadrigram Homework Assign 8
- 10 March 20 Lab: work on Visual Data Project
- 11 March 27 Refining the Story Gaining fluency in using Quadrigram to build the story
Quadrigram Homework Assign 9
- 12 April 3 Story Project Presentations Each student shows final story project during class
Prepare your project Post project URL by April 2
- 13 April 10 Geospatial Basics GIS principles; datums; projections; coordinates
QGIS Homework Assign 10
- 14 April 17 Geospatial Geocoding Geocoding addresses; calculating spatial boundaries
QGIS Homework Assign 11
- 15 April 24 Geospatial Joins Joining spatial data; census data; census shapefiles
QGIS Exam 2 (take at home)

Links and Policies

*Consult the syllabus policy page for a list of required and recommended links to add to the syllabus. Please list the links and any additional policies that will be added to the course syllabus.
Please see: syllabus.ufl.edu for more information*

Response:

Academic Integrity

UF students pledge to abide by an honor code that prohibits academic dishonesty such as fabrication, plagiarism and cheating. You have an affirmative obligation to understand what constitutes academic dishonesty. You also must report to appropriate personnel any condition that facilitates academic misconduct. If you have any questions or concerns, please contact me.

When I discover cheating, my default policy is to fail all involved for the entire course and report the details to the Dean of Students Office.

Course Evaluations

Students are expected to provide feedback on the quality of instruction in this course by completing online evaluations. You will be notified by email when the evaluations are open, typically in the last two or three weeks of the semester. Summary results are available to you and the public.

Please note that evaluations serve two purposes: They (1) help my boss evaluate my performance and (2) enable me to improve my teaching and this course for future students. Therefore, what you have to say matters.

Students with Disabilities

Students with disabilities requesting accommodations should first register with the Disability Resource Center (352-392-8565) by providing appropriate documentation. Once registered, students will receive an accommodation letter, which must be presented to me when requesting accommodation. Such requests should be made as soon as possible – preferably at the start of the semester – so that I can adjust to the accommodation and therefore assist you in your

learning.

Health and Wellness

Your well-being is important to the University of Florida. The U Matter, We Care initiative is committed to creating a culture of care on campus by encouraging everyone to look out for one another and to reach out for help if a person is in need.

If you or a friend is in distress, please contact umatter@ufl.edu so that the U Matter, We Care Team can reach out to the student in distress. A nighttime and weekend crisis counselor is available by calling 352-392-1575.

The U Matter, We Care team can help connect students to many other helping resources including, but not limited to, victim advocates, housing staff, and the Counseling and Wellness Center. Asking for help is a sign of strength.

In case of emergency, call 911.

Academic Resources

- E-learning technical support: 352-392-4357 (select option 2) or e-mail to Learningsupport@ufl.edu or reach the website.
- For career advice and planning, or even help selecting a major or minor, contact the Career Resource Center in the Reitz Union, 392-1601.
- For help in finding resources, ask a UF librarian through Library Support.
- General study skills and tutoring available from the Teaching Center, Broward Hall, 392-2010 or 392-6420.
- Have a complaint? See the UF Complaints Policy for links and directions.

Grading Scheme

List the types of assessments, assignments and other activities that will be used to determine the course grade, and the percentage contribution from each. This list should have sufficient detail to evaluate the course rigor and grade integrity. Include details about the grading rubric and percentage breakdowns for determining grades.

Response:

Grade Allocation

Homework Assignments and Quizzes (one low score drops)

50%

Exam 1 (take at home, due March 12)

15%

Visual Data Story Project (due April 2)

20%

Exam 2 (take at home, due April 30) 15%

Homework Assignments and Quizzes (50%)

Homework assignments and some pop quizzes will reinforce learning and test assigned readings. One low score from the semester will drop.

Exams 1 and 2 (15% each)

These are take-at-home exams. You can use your notes and consult readings, but not each other: these are take-by-yourself tests.

Exam 1 will cover the first eight weeks of class. It will be available on Canvas before spring break. It will be due by 11:59 p.m. Monday, March 12, the Monday after spring break.

Test 2 will be cumulative while focused mostly on QGIS. It will be available shortly after the last

class period, about April 20. It will be due by 11:59 p.m. Monday, April 30.

Visual Data Story Project (20%)

This is an original, timely, data-driven visual story tailored to an audience and optimized for a cellphone. Stories that earn an A will be ready for publication or a client presentation. See the rubric on the next page for more details.

You will present your completed (not a draft) project in class on March 29 so you can get peer feedback and make improvements before submitting a version for grading, which will be done on a cellphone. A URL for the project is due at 11:59 p.m. Monday, April 2.

Attendance

Attendance is expected. Course requirements for attendance, make-up exams, assignments and other work are consistent with UF policy. For absences covered by UF policy, such as illness, you are responsible for alerting the professor before class and for promptly providing appropriate documentation.

Grading Scale

	Percent	Percent	Percent	Percent
	B+	89-87% C+	79-77% D+	69-67%
A	100-93%	B 86-83%	C 76-73%	D 66-63%
A-	92-90% B-	82-80% C-	72-70% D-	62-60%

Scores are rounded to the nearest whole point: 89.4 rounds down to 89 (B+) while 89.5 rounds up to 90 (A-). The UF grading policy details how GPA is computed.

Instructor(s)

Enter the name of the planned instructor or instructors, or "to be determined" if instructors are not yet identified.

Response:

Norm Lewis, PhD