

Cover Sheet: Request 10781

DIG2XXX Principles of Digital Visualization

Info

Process	Course New Ugrad/Pro
Status	Pending
Submitter	Klepacki,Phillip J pklepacki@arts.ufl.edu
Created	2/17/2016 10:12:54 AM
Updated	3/11/2016 8:51:07 AM
Description	This course will develop appreciation and basic fluency in the application of visual and design literacy into emergent forms of digital media. Historical and theoretical perspectives inform hands-on learning across topics including pre-visualization and storyboarding in static and time-based media, and the critical analysis of contemporary and iconic visual storytelling.

Actions

Step	Status	Group	User	Comment	Updated
Department	Approved	CFA - Digital Worlds 015851001	Oliverio, James Charles		2/17/2016
No document changes					
College	Approved	CFA - College of Fine Arts	Schaefer, Edward E		2/18/2016
No document changes					
University Curriculum Committee	Comment	PV - University Curriculum Committee (UCC)	Case, Brandon	Added to the March agenda.	2/22/2016
No document changes					
University Curriculum Committee	Pending	PV - University Curriculum Committee (UCC)			2/22/2016
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 10781

Info

Request: DIG2XXX Principles of Digital Visualization

Submitter: Klepacki, Phillip J pklepacki@arts.ufl.edu

Created: 3/11/2016 8:50:41 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, in rare cases SCNS will assign a different prefix.

Response:

DIG

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:

2

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

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:

Principles of Digital Visualization

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:
PRINC OF DIGITAL VIS

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:
Fall

Effective Year

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

Response:
2016

Rotating Topic?

Select "Yes" if the course will have rotating (varying) topics in different terms. For rotating topics courses, the course title in the Schedule of Courses and the transcript can vary with the topic.

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

Repeatable Credit?

Select "Yes" if the course may be repeated for credit. Some courses, such as independent study courses, will have rotating (variable) topics. Students may be allowed to repeat these courses provided the content is different.

Response:

No

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 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.

Degree Type

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

Response:

Baccalaureate

Weekly Contact Hours

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

Response:

3

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:
Introductory

- 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)

Delivery Method(s)

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

Response:
On-Campus

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:
This course will develop appreciation and basic fluency in the application of visual and design literacy into emergent forms of digital media. Historical and theoretical perspectives inform hands-on learning across topics including pre-visualization and storyboarding in static and time-based media, and the critical analysis of contemporary and iconic visual storytelling.

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:
None

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 PPHP 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 is offered at the 2000 level to allow students to undertake a survey of theoretical, aesthetic, and practical concerns in developing their digital visual literacy before undertaking their upper-level courses in the digital arts & sciences.

Course Objectives

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

Response:

At the conclusion of this course, students will be able to:

- speak knowledgeably of the underlying theories and historic precedents of visualization and visual storytelling via time-based media
- identify, interpret, and evaluate visual design components within current and emergent forms of digital media
- demonstrate understanding of the subject matter through the application of design components via the creation of original digital media artifacts.

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, or a representative list of readings.

Response:

Information Visualization: Perception for Design (Interactive Technologies) / Colin Ware – 3rd Edition – (2013). Morgan Kaufmann Publications/Elsevier, Waltham, MA. ISBN 978-0-12-381464-7

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 Introduction of students and professor/ overview of topical landscape
- 2 Overview and analysis: African, Asian & European visual cultures, forms, & traditions
- 3 Use of the Camera; Lenses and the Capture of Light
- 4 Using the Frame; Aspect Ratio, Image Components and the Story
- 5 Considerations in Time-based Media; Iconic imagery and the rise of Cinematic Conventions
- 6 Optics, Resolution and the Display System; Lightness, Brightness, Contrast and Constancy
- 7 The Science of Color and Color Vision
- 8 Static and Moving Patterns
- 9 Individual Student Research Presentations: Analysis of Iconic Time-Based Media
- 10 Perception of Space and Environment
- 11 Visualization of Objects and Data; The Tangible and Intangible
- 12 Use of Pre-visualization; Techniques and Applications
- 13 Data Visualization and Storytelling
- 14 Immersive Time-based Digital Media
- 15 Final Student Project presentations and Critiques

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.

Response:

In-Class Research Presentation – Each student will have one individual class presentation due and presented in week 9. Presentations will be graded based on their content, quality of preparation and concise delivery. 250 points/25% of grade

Written Research Assignments – Each student will produce original written work and visual support materials about topics discussed in the class. 250 points (three written research assignments of 50, 100, and 100 points respectively)/25% of grade

Three quizzes, each valued at 5% of the final grade 150 points/15%

Class Participation and Attendance – Students are expected to actively participate in class discussions, both in class as well as in online forums 100 points/10%. Students who participate in and contribute to forums conducted in the UF Learning Management System (Canvas) by stated deadlines would receive up to 10 points for each of 10 participatory discussions conducted in the LMS. Failure to participate in any of these forums would not garner points for said respective participatory discussion.

Final Research Project – Capstone presentation of the semesterlong course.
250 points/25%

Final Research Project and In-Class Research Presentation are not part of the same effort. As referenced in the Grading Scheme, the In-Class Research Presentation will be due and presented in Week 9, and will consist of the student's first chosen topic related to historic/iconic time-based media (as precedent and precursor to "digital" visualization).

The Final Research Project will be a separate research project (which will include a

brief class presentation) on another more contemporary research topic related to the Digital Visualization focus of the course. It will be due and presented at the END of the semester.

Instructor(s)

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

Response:

To be determined

Subject: CISE Approval for BADAS Course(s) Received
Date: Thursday 10 March 2016 11:14:55 AM Eastern Standard Time
From: Oliverio, James Charles
To: Klepacki, Phillip J.
CC: Marlin, Justin L, Suvajdzic, Marko

Hello Phillip,

I was able to obtain the approbation of the CISE Department Chair and their Curriculum Committee.

The email immediately under this one serves as the record of their approval.
Thanks in advance for placing the info in whatever location is appropriate in the UCC Approvals system.

James

JAMES C OLIVERIO | EXECUTIVE DIRECTOR
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From: Tamer Kahveci <tamer@cise.ufl.edu>
Sent: Thursday, March 10, 2016 8:31 AM
To: Oliverio, James Charles
Cc: Juan Gilbert (juan@cise.ufl.edu)
Subject: Fw: Re: Your Approval, Please

Dear James

I hope that you are doing well.

Our curriculum committee has considered your request and have found that we have no concerns regarding these courses. I hope this helps.

Best

-- Tamer

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Tamer Kahveci <tamer@cise.ufl.edu>