

Cover Sheet: Request 13133

DIG 3XXX Blockchain Innovation in DAS

Info

Process	Course New Ugrad/Pro
Status	Pending at PV - University Curriculum Committee (UCC)
Submitter	Phillip Klepacki pklepacki@arts.ufl.edu
Created	10/4/2018 2:37:24 PM
Updated	10/18/2018 8:30:05 AM
Description of request	Creation of a new course that is a comprehensive survey of relevant topics in blockchain space, and its impact on digital arts and sciences. It will provide an overview of the technology behind blockchain and explore current and potential real-world applications in technology, entrepreneurship, and the arts.

Actions

Step	Status	Group	User	Comment	Updated
Department	Approved	CFA - Digital Worlds 015851001	James Oliverio		10/4/2018
DIGXXX Blockchain Innovation in DAS_V2.docx					10/4/2018
College	Approved	CFA - College of Fine Arts	Jennifer Setlow		10/18/2018
No document changes					
University Curriculum Committee	Pending	PV - University Curriculum Committee (UCC)			10/18/2018
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 13133

Info

Request: DIG 3XXX Blockchain Innovation in DAS

Description of request: Creation of a new course that is a comprehensive survey of relevant topics in blockchain space, and its impact on digital arts and sciences. It will provide an overview of the technology behind blockchain and explore current and potential real-world applications in technology, entrepreneurship, and the arts.

Submitter: Phillip Klepacki pklepacki@arts.ufl.edu

Created: 10/15/2018 11:41:41 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, the State Common Numbering System (SCNS) may 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:

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:
Blockchain Innovation in Digital Arts and Sciences

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:
BLOCKCHAIN INNOVATION

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, Online

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:
N/A (the course will not be co-listed)

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:
This course is a comprehensive survey of relevant topics in blockchain and its impact on digital arts and sciences. The course provides an overview of the technology behind blockchain and explores current and potential real-world applications in arts, digital entrepreneurship, and creativity.

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:
MAJOR=DAR & CLASS=GE3

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:
N/A

Rationale and Placement in Curriculum

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

Response:
The BA in DAS program is focused on emerging technologies and their applications in the arts. This course will introduce students to the future of digital asset economy, copyright, and art creation on blockchain.

Course Objectives

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

Response:

- Master the theoretical foundations of blockchain technology
- Identify applications of blockchain technology in digital arts and sciences
- Understand the concept of decentralization, its impact, and its relationship with blockchain technology
- Grasp the inner workings of blockchain and the mechanisms behind bitcoin and alternative cryptocurrencies
- Understand the principles of smart contracts

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:
Blockchain Basics: A Non-Technical Introduction in 25 steps, Daniel Drescher (2017).
Blockchain Technology Explained, Alan Norman (2017)
Bitcoin and Cryptocurrency: A Comprehensive Introduction, Arvind Narayanan (2016)

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:
Week 1: Blockchain and Cryptospace - Intro and history
Week 2: Bitcoin Protocol and Mechanics - A technical overview
Week 3: Blockchain: Real-world Applications
Week 4: a Technical primer on Bitcoin, cryptocurrencies, smart contracts, and blockchains
Week 5: Cryptoeconomics and proof-of-stake

- Week 6: ICOs
- Week 7: Removing Middleman and Reaching Trust - Reach consensus
- Week 8: Tokenization of Assets
- Week 9: Blockchain and Art Market
- Week 10: Blockchain as an Art Medium
- Week 11: Review of art projects on blockchain
- Week 12: Micro-transactions and its uses in cyberspace
- Week 13: Decentralized Governance / True Ownership of Data
- Week 14: Blockchain: Real-world Applications in 2040
- Week 15: Blockchain and the integration with other emerging technologies (VR, IOT, AI)
- Week 16: Final project presentations

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:

All links and policies recommended and required by the UF Policy on Course Syllabi are included.

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:

- There will be assigned readings each week, which should be completed before each class.
Quizzes on weekly reading assignments (40%)
- All students will be required to create an art project of their own choice that is blockchain related.
Midterm project (20%)
- Students will form project groups and complete a high-impact class project. The final deliverable will be a group presentation on a new application of blockchain in digital arts and sciences. Final Project (30%)
- All students are expected to attend the class, and actively participate in class discussions.
Attendance and Participation (10%)

Instructor(s)

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

Response:

Marko Suvajdzic

Blockchain Innovation in Digital Arts and Sciences

COURSE NUMBER: DIG3XXX	CREDIT HOURS: 3.0
SEMESTER/YEAR:	CLASS LOCATION:
INSTRUCTOR: PROF. MARKO SUVAJZIC	CLASS MEETING TIME(S):
COURSE WEBSITE: HTTP://ELEARNING.UFL.EDU/	OFFICE HOURS:

COURSE DESCRIPTION:

This course is a comprehensive survey of relevant topics in blockchain space, and its impact on digital arts and sciences. It will provide an overview of the technology behind blockchain and explore current and potential real-world applications in technology, entrepreneurship, and the arts.

PREREQUISITES: DAR major and junior standing

RECOMMENDED TEXTS:

- "Blockchain Basics: A Non-Technical Introduction in 25 steps," Daniel Drescher (2017).
- "Blockchain Technology Explained," Alan Norman (2017)
- "Bitcoin and Cryptocurrency: A Comprehensive Introduction," Arvind Narayanan (2016)

PURPOSE OF COURSE: Digital Worlds Institute’s DAS major is focused on emerging technologies and their applications in the arts. This course will introduce students to the future of digital asset economy, copyright, and art creation on blockchain.

COURSE GOALS AND/OR OBJECTIVES: By the end of this course, students will be able to:

1. Master the theoretical foundations of blockchain technology
2. Identify applications of blockchain technology in digital arts and sciences
3. Understand the concept of decentralization, its impact, and its relationship with blockchain technology
4. Grasp the inner workings of blockchain and the mechanisms behind bitcoin and alternative cryptocurrencies
5. Understand the principles of smart contracts

COURSE SCHEDULE:

The FINAL PROJECT IS DUE AT THE EXAM TIME SCHEDULED FOR THIS COURSE

<http://www.registrar.ufl.edu/soc/>

Week	Class Lectures and Projects	Projects, Quizzes
1	Blockchain and Cryptospace - Introduction and history	
2	Bitcoin Protocol and Mechanics - A technical overview	Weekly Quiz

3	Blockchain: Real-world Applications	Weekly Quiz
4	Technical primer on Bitcoin, cryptocurrencies, smart contracts, and blockchains	Weekly Quiz
5	Cryptoeconomics and proof-of-stake	Weekly Quiz
6	Initial Coin Offerings (ICO)	Weekly Quiz
7	Removing Middleman and Reaching Trust - Reach consensus	Weekly Quiz
8	Tokenization of Assets	Weekly Quiz Mid-Term Project
9	Blockchain and Art Market	Weekly Quiz
10	Blockchain as an Art medium	Weekly Quiz
11	Review of art projects on blockchain	Weekly Quiz
12	Micro-transactions and its uses in cyber space	Weekly Quiz
13	Decentralized Governance /True Ownership of Data	Weekly Quiz
14	Blockchain: Real-world Applications in 2040	Weekly Quiz
15	Blockchain and the integration with other emerging technologies (VR, IOT, AI)	Weekly Quiz
16	Final project presentations	Weekly Quiz
Exam	Final Project Due	Assignment due: Final project

EVALUATION OF GRADES

Assignment	Percentage of Grade
Weekly quizzes - There will be assigned readings each week, which should be completed before each class. Quizzes on weekly reading assignments	40%
Mid-term project - All students will be required to create an art project of their own choice that is blockchain related.	20%
Final project - Students will form project groups and complete a high-impact class project. The final deliverable will be a group presentation on a new application of blockchain in digital arts and sciences.	30%
Attendance/Participation - All students are expected to attend the class, and actively participate in class discussions.	10%

GRADING SCALE:

Letter Grade	% Equivalency	GPA Equivalency
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A	94 – 100%	4.0
A-	90 – 93%	3.67
B+	87 – 89%	3.33
B	84 – 86%	3.00
B-	80 – 83%	2.67
C+	77 – 79%	2.33
C	74 – 76%	2.00
C-	70 – 73%	1.67
D+	67 – 69%	1.33
D	64 – 66%	1.00
D-	60 – 63%	.67
E, I, NG, S- U, WF	0 – 59%	0.00

More information on grades and grading policies is here:

<https://catalog.ufl.edu/ugrad/current/regulations/info/grades.aspx>

MATERIALS AND SUPPLIES FEES:

Material and supply fees are assessed for certain courses to offset the cost of materials or supply items consumed in the course of instruction. A list of [approved courses and fees](#) is published in the Schedule of Courses each semester. (UF-3.0374 Regulations of the University of Florida)

Material and supply and equipment use fee information is available from the academic departments or from the schedule of courses (Florida Statutes 1009.24). The total M&S for this class is: \$0.00

The total course fee for each course is listed on the UF Schedule of Courses.

(<https://registrar.ufl.edu/soc/>).

COURSE POLICIES:

ATTENDANCE POLICY:

Requirements for class attendance and make-up exams, assignments, and other work in this course are consistent with university policies that can be found at:

<https://catalog.ufl.edu/ugrad/current/regulations/info/attendance.aspx>

All assignments are due on the stated date. Late assignments can be submitted up to one week past the due date and will incur one grade penalty (10% of the grade).

COURSE TECHNOLOGY: The students will be required to have access, and use a personal computer with the access to the Internet. Word editing software will be required for written assignments.

COURSE COMMUNICATIONS:

Students can communicate directly with the Instructor regarding the course material through the course management system (CANVAS).

UF POLICIES:

UNIVERSITY HONESTY POLICY

UF students are bound by The Honor Pledge that states, “We, the members of the University of Florida community, pledge to hold ourselves and our peers to the highest standards of honor and integrity by abiding by the Honor Code. On all work submitted for credit by students at the University of Florida, the following pledge is either required or implied: “On my honor, I have neither given nor received unauthorized aid in doing this assignment.” The [Honor Code](#) specifies a number of behaviors that are in violation of this code and the possible sanctions. Furthermore, you are obligated to report any condition that facilitates academic misconduct to appropriate personnel. If you have any questions or concerns, please consult with the instructor or TAs in this class.

CLASS DEMEANOR

Students are expected to arrive to class on time and behave in a manner that is respectful to the instructor and to fellow students. Please avoid the use of cell phones and restrict eating to outside of the classroom. Opinions held by other students should be respected in discussion, and conversations that do not contribute to the discussion should be held at minimum, if at all.

UNIVERSITY POLICY ON ACCOMMODATING 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 the instructor when requesting accommodation. Students with disabilities should follow this procedure as early as possible in the semester.

UNIVERSITY POLICY ON ACADEMIC MISCONDUCT: Academic honesty and integrity are fundamental values of the University community. Students should be sure that they understand the UF Student Honor Code at <http://www.dso.ufl.edu/students.php>.

NETIQUETTE: COMMUNICATION COURTESY: All members of the class are expected to follow rules of common courtesy in all email messages, threaded discussions and chats, more information can be found at:

<http://teach.ufl.edu/docs/NetiquetteGuideforOnlineCourses.pdf>

ONLINE COURSE EVALUATIONS: Students are expected to provide feedback on the quality of instruction in this course based on ten criteria. These evaluations are conducted online at <https://evaluations.ufl.edu>. Evaluations are typically open during the last two or three weeks of the semester, but students will be given specific times when they are open. Summary results of these assessments are available to students at <http://evaluaations.ufl.edu>.

GETTING HELP

HEALTH AND WELLNESS

U Matter, We Care

If you or a friend is in distress, please contact umatter@ufl.edu or 352 392- 1575 so that a team member can reach out to the student.

Counseling and Wellness Center

<http://www.counseling.ufl.edu/cwc/Default.aspx>, 392-1575; and the University Police Department: 392-1111 or 9-1-1 for emergencies.

Sexual Assault Recovery Services (SARS)
Student Health Care Center, 392-1161.

University Police Department, 392-1111 (or 9-1-1 for emergencies).
<http://www.police.ufl.edu/>

ACADEMIC RESOURCES

E-learning technical support, 352-392-4357 (select option 2) or e-mail to Learning- support@ufl.edu. <https://lss.at.ufl.edu/help.shtml>.

Career Resource Center, Reitz Union, 392-1601. Career assistance and counseling. <http://www.crc.ufl.edu/>

Library Support, <http://cms.uflib.ufl.edu/ask>. Various ways to receive assistance with respect to using the libraries or finding resources.

Teaching Center, Broward Hall, 392-2010 or 392-6420. General study skills and tutoring. <http://teachingcenter.ufl.edu/>

Writing Studio, 302 Tigert Hall, 846-1138. Help brainstorming, formatting, and writing papers. <http://writing.ufl.edu/writing-studio/>

Student Complaints Campus:

https://www.dso.ufl.edu/documents/UF_Complaints_policy.pdf

On-Line Students Complaints:

<http://www.distance.ufl.edu/student-complaint-process>

Disclaimer: This syllabus represents the instructor's current plans and objectives. As we go through the semester, those plans may need to change to enhance the class learning opportunity. Such changes, communicated clearly, are not unusual and should be expected.