

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	1/10/2019 1:18:45 PM
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
No document changes					
College	Approved	CFA - College of Fine Arts	Jennifer Setlow		10/18/2018
No document changes					
University Curriculum Committee	Commented	PV - University Curriculum Committee (UCC)	Lee Morrison	Added to November agenda.	10/23/2018
No document changes					
University Curriculum Committee	Recycled	PV - University Curriculum Committee (UCC)	Casey Griffith	Please address the following; obtain consult from Computer Engineering, include office hours in the syllabus, Final projects cannot be due during exam week, need to update attendance policy to be in line with UF policy.	11/26/2018
No document changes					
College	Recycled	CFA - College of Fine Arts	Jennifer Setlow	Returning to DW for edits.	11/28/2018
No document changes					
Department	Approved	CFA - Digital Worlds 015851001	James Oliverio	Requested updates have been made by DW CC.	11/29/2018
CISE Blockchain Course Approval.pdf					
College	Approved	CFA - College of Fine Arts	Jennifer Setlow		11/29/2018
No document changes					
University Curriculum Committee	Pending	PV - University Curriculum Committee (UCC)			11/29/2018
No document changes					
Statewide Course Numbering System					
No document changes					

Step	Status	Group	User	Comment	Updated
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 DIG

Course Level 3

Number XXX

Category of Instruction Intermediate

Lab Code None

Course Title Blockchain Innovation in Digital Arts and Sciences

Transcript Title BLOCKCHAIN INNOVATION

Degree Type Baccalaureate

Delivery Method(s) On-Campus, Online

Co-Listing No

Co-Listing Explanation N/A (the course will not be co-listed)

Effective Term Earliest Available

Effective Year Earliest Available

Rotating Topic? No

Repeatable Credit? No

Amount of Credit 3

S/U Only? No

Contact Type Regularly Scheduled

Weekly Contact Hours 3

Course Description 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 MAJOR=DAR & CLASS=GE3

Co-requisites N/A

Rationale and Placement in Curriculum 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 - 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 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 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 All links and policies recommended and required by the UF Policy on Course Syllabi are included.

Grading Scheme - 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) Marko Suvajdzic

Subject: Re: UCC Approval Request Review Comments
Date: Tuesday, November 27, 2018 at 2:12:28 PM Eastern Standard Time
From: Marlin, Justin

From: Gilbert, Juan E
Sent: Sunday, November 25, 2018 9:12 AM
To: Oliverio, James Charles
Subject: Re: New blockchain course (Fw: UCC Approval Request Review Comments)

James, the CISE department co-manages the BS in Computer Engineering with the ECE Department. CISE doesn't have any issues with this new course.

Thanks,

—
Juan E. Gilbert, Ph.D.
Andrew Banks Family Preeminence Endowed Professor & Chair
Computer & Information Science & Engineering Department
Herbert Wertheim College of Engineering
University of Florida
P.O. Box 116120
Gainesville, FL 32611
352.562.0784 (V)
352.273.0738 (F)
juan@ufl.edu
Twitter: @DrJuanGilbert
<http://www.juangilbert.com/>

On Nov 20, 2018, at 4:48 PM, Oliverio, James Charles <joliverio@arts.ufl.edu> wrote:

Hi Juan,

Digital Worlds (DW) has submitted a new course (Blockchain Innovation on Digital Arts & Sciences) that the UCC wants us to:
"consult with Computer Engineering".
Assuming they mean your Department :-)
we are asking if we might obtain a simple statement of approval for us to move forward with this course.

Details below and attached.

Thanks!

James

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:

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	Student project presentations	Weekly Quiz
16	Final Exam	

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	30%
Mid-term project - All students will be required to create an art project of their own choice that is blockchain related.	10%
Group 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%
Final Exam	20%
Attendance/Participation - All students are expected to attend the class, and actively participate in class discussions.	10%

GRADING SCALE:

Letter Grade	% Equivalency	GPA Equivalency
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.

[\(https://registrar.ufl.edu/soc/\)](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>

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://evaluations.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.