**FIN 451 101H**
***Financial Markets & Institutions***
**Meeting Information:**DCOB269; R 06:00PM - 09:00PM;
24Fall

Instructor

Maggie Foley

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**Office Hours:**T/TH 2 - 4 PM; TH 4 - 5 PM

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*Fundamental to Jacksonville University’s mission is support for an environment where divergent ideas, theories, and philosophies can be openly exchanged and critically evaluated. Consistent with these principles and the concept of Academic Freedom, this course may involve the discussion of ideas that you find uncomfortable, disagreeable, or even offensive. These ideas are intended to be presented in an objective manner, they are not intended to persuade, and are not an endorsement of what you should personally believe.*

*Jacksonville University values diversity, equity, and inclusion and strives to create a welcoming community where all stakeholders feel valued and a sense of belonging. We believe in lifelong learning and preparing globally-minded citizens for the real world. We recruit students, faculty, staff, and leaders from all over the globe and we respect differences in ability, age, appearance, athletic and student organization involvement, ethnicity, faith, gender, gender expression, immigration status, language, military/veteran status, nationality, political ideology, race, religion, talent, sex, sexuality, socio-economic status, and other personal identities and experiences.*

*Jacksonville University is an equal-opportunity institution and prohibits discrimination. We consider each stakeholder to be a key player in Jacksonville University's civic responsibility and commitment to this work.*

*The non-discrimination policy can also be found on the*[*Green Pages*](https://www.ju.edu/greenpages/university-policies.php)*.*

**Course Description**

This course will cover the fundamentals of the Blockchain technology. Students will analyze the various components involved within blockchain and why and when it makes sense to use within an environment. Bitcoin is widely known as the most popular use of Blockchain; however the technology has a much broader set of applications, leading to a significant impact on business and society.

**Course Objectives/Learning Outcomes**

By the end of this course, students will be able to:

1. Understand the fundamental principles of blockchain technology.
2. Analyze the role and operation of Bitcoin and Ethereum in the cryptocurrency ecosystem.
3. Evaluate the economic and financial impact of cryptocurrencies on global markets.
4. Design, develop, and deploy smart contracts on the Ethereum blockchain.
5. Understand the concept of Web3 and its potential implications for the internet and various industries.
6. Assess the regulatory and legal challenges associated with blockchain and cryptocurrencies

**Class Format**

The class is a mix of lectures, discussions, coding exercises, practice sessions, and review periods for feedback.

**Required Texts & Materials**

https://ju.bncollege.com/course-material/course-finder



The Basics of Bitcoins and Blockchains

**ISBN:**9781642506730

**Authors:**Antony Lewis

**Publisher:**Mango

**Publication Date:**2021-04-13



Hands-On Smart Contract Development with Solidity and Ethereum

**ISBN:**9781492045212

**Authors:**Kevin Solorio, Randall Kanna, David H. Hoover

**Publisher:**"O'Reilly Media, Inc."

**Publication Date:**2019-11-25

Grading

| **Point Total** | **Letter Grade** | **% of Total Course Points** |
| --- | --- | --- |
| 90 - 100 | A | 95 - 100% |
| 89 - 90 |   A-  | 90 - 94% |
| 88  - 89 |   B+ | 87-89% |
| 80 - 88 | B | 83-86% |
| 79 - 80 |  B- | 80 - 82% |
| 78 - 79 |  C+ | 77 - 79% |
| 70 - 78 | C | 73 - 76% |
| 69 - 70 | C- | 70 - 72% |
| 68 - 69 |   D+ | 67 - 66% |
| 60 - 68 | D | 63 - 66% |
| 59 - 60 |  D- | 60 - 62% |
| LESS THAN 59 | F | LESS THAN 60% |

* Participation: 10%
* Quizzes: 15%
* Assignments: 25%
* Term Project and Presentation: 20%
* Final Exam: 30%

**Attendance Policy**

Students are asked to sign an attendance sheet at the beginning of each class, although no formal penalty will be assessed for poor attendance. Due to the uncertainty that COVID-19 presents, extended absences may be necessary due to either illness or quarantine. Please work with the Student Life office to report your individual situation.

**Make-Up Exams/Assignments**

Students who miss an assignment or exam for a valid reason must present documentation (from a medical doctor, a coach, a representative from student life, or other university official) to make it up. Students should notify the instructor before the exam to indicate that they will be missing the exam.

**Using Electronic Devices**

The use of laptop computers, tablets, cell phones, or any other electronic devices during face-to-face class sessions is generally not allowed unless there are specific class assignments that require them. Comprehension, attention, and note taking all tend to improve when students are not using electronic devices.

**Extra Credit**

In addition to the extra credit opportunities listed below on the schedule, the instructor may offer other extra credit opportunities, but students may earn no more than 5 extra credit points.

**Schedule of Readings and Assignments (subject to change)**

| Week | Topic | Readings/Assignments |
| --- | --- | --- |
| 1 | Introduction to Blockchain Technology and Bitcoin | Lewis, Parts 3-6 |
| 2 | Ethereum and Smart Contracts | Solorio, Ch. 1-3 |
| 3 | Developing Smart Contracts | Solorio, Ch. 4-5 |
| 4 | Introduction to Web3 and Decentralized Finance (DeFi) | Solorio, Ch. 6-8 |
| 5 | Regulatory and Legal Aspects of Blockchain | Bahga, Ch. 1 |
| 6 | Blockchain Applications in Finance and Other Industries | Provided articles |
| 7 | Student Presentations and Final Exam | - |

**Academic Honesty**

“Members of the Jacksonville University community are expected to foster and uphold the highest standards of honesty and integrity, which are foundations for the intellectual endeavors we engage in.

To underscore the importance of truth, honesty, and accountability, students and instructors should adhere to the following standard:

***“On my honor as a student of Jacksonville University, I promise to uphold the values of honesty, trust, fairness, respect, and responsibility in all my dealings with faculty, staff, and students.”***

Academic misconduct occurs when a student engages in an action that is deceitful, fraudulent, or dishonest regarding any type of academic assignment that is intended to or results in an unfair academic advantage. In this context, the term “assignment” refers to any type of graded or ungraded work that is submitted for evaluation for any course. Academic misconduct includes but is not limited to cheating, collusion, falsification, misrepresentation, unauthorized collaboration on assignments, copying another student’s work, using or providing unauthorized notes or materials, turning in work not produced by the individual, attempting to get credit for a single instance of work submitted for more than one course, and plagiarism. Furthermore, providing deceitful, fraudulent, or dishonest information during discussions of an academic matter with faculty are also examples of academic misconduct.” (Jacksonville University Academic Integrity Policy <https://www.ju.edu/academicintegrity/academic-integrity-misconduct-policy.php> )

Throughout this course we will be reading and reporting about the work of others. All information that is not original to the student must be appropriately attributed in both presentations and written work. All students are expected to do their own work and give appropriate credit for all sources used in the process of preparing papers, presentations, and homework assignments. Group assignments will be graded based on the product of the work, although some adjustment may be made for participation. [If you have a question about whether or not collaboration is allowed, or how to cite a reference, please ask. It is always better to check than to be accused of an unintended violation of the academic honesty policy.] Violations of the academic honesty policy will be dealt with in accordance to university policies [Refer to current Academic Catalog “Academic Integrity and Misconduct”].

Course Level Penalties

Course Level Penalties: A first offense may result in a failing grade for the assignment. Second offenses may result in failure in the course. Significantly egregious violations may result in expulsion from the university. When in doubt give credit for all information that did not come directly out of your head!

Statement Regarding Use of Generative Artificial Intelligence (AI)

Jacksonville University recognizes the power and potential in Artificial Intelligence to assist in many areas of scholarship represented at the institution. AI, like ChatGPT and others, has the potential to be misused. In general, the Academic Integrity Policy stated in this document and elsewhere in Jacksonville University publications and websites does not encourage AI use in an academic setting. AI produced materials submitted for graded assignments are falsely representing the work as generated solely by the student. The specific use of AI is left up to the individual instructor and should be articulated on course syllabi and in the instructions for individual assignments. If instructors do not give explicit permission to use AI students should assume that its use will constitute a violation of the Academic Integrity Policy of Jacksonville University.

Disability Statement

Students with a documented disability requesting classroom accommodations or modifications, either permanent or temporary, resulting from the disability are encouraged to register with the Disability Support Services (DSS) office. This office will assist in recommending accommodations that eliminate barriers in academic coursework and/or guide you through the different supportive mechanisms that we have to offer. This office is located on the third floor of the Davis Student Commons, room 336. The office can also be contacted through their website (<https://www.ju.edu/disabilityservices/index.php>).

Note: Students are encouraged to register with the DSS office at the beginning of the term and/or prior (if/when possible), as accommodations are not provided retroactively.

FERPA

The Family Educational Rights and Privacy Act (FERPA) (20 U.S.C. § 1232g; 34 CFR Part 99) is a Federal law that protects the privacy of student education records. The law applies to all schools that receive funds under an applicable program of the U.S. Department of Education. Information on Jacksonville University's FERPA policy is available at: <https://www.ju.edu/about/ferpa-information.php>

Copyright

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Mask Policy

Please be advised that the mask policy in this class will follow Jacksonville University requirements. When/if the University enacts a mask policy, all students are expected to adhere to the policy.