

PCBE Business in Practice Syllabus

Course Name: Bitcoin and Business

Term Start and End Dates: 1/22/2019 - 3/8/2019

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Course Overview

Bitcoin is a new paradigm that changes how traditional business is conducted. This class is designed to remove the mystery from this new technology and to show how it can be leveraged to create value for the world.

Textbooks or Resources

Mastering Bitcoin - <https://github.com/bitcoinbook/bitcoinbook>

Bitcoin white paper - <https://bitcoin.org/bitcoin.pdf>

Course Learning Objectives

Upon completion of this course students will.

1. Be able to explain Bitcoin to their parents
2. Be able to transact in Bitcoin private and securely
3. Learn about various applications of distributed ledger technology

Course Structure

myCourses is the learning management tool we use for this course. The course is organized by Weeks and Topics.

Course Schedule

<i>Week or Module</i>	<i>Date</i>	<i>Topics Covered</i>	<i>Assignment and Due Dates</i>
One	1/22/2019	<ul style="list-style-type: none"> - Evolution of Bitcoin - Decentralization - Bitcoin white paper 	<ul style="list-style-type: none"> • Lecture • Chapter 1 Mastering Bitcoin • Consensus Game
Two	1/29/2019	<ul style="list-style-type: none"> - History of Bitcoin - Technical Breakdown of Bitcoin/Blockchain - Using Bitcoin - Currency exchanges 	<ul style="list-style-type: none"> • Lecture • Chapter 2-3 Mastering Bitcoin • Activity- Send and receive crypto
Three	2/5/2019	<ul style="list-style-type: none"> - Survey of Bitcoin companies today - Smart Contracts - Governance Models - Game theory of Bitcoin - DAO's 	<ul style="list-style-type: none"> • Lecture • Class Application Design session
Four	2/12/2019	<ul style="list-style-type: none"> - Guest speaker from Anypay <p>Use cases:</p> <ul style="list-style-type: none"> - Identity - Security tokens - Prediction markets - Health Care - Insurance - IOT 	<ul style="list-style-type: none"> • Lecture • Group work: Apply a decentralized model to an industry that interests the group
Five	2/19/2019	<ul style="list-style-type: none"> - AI and blockchain - Inter-ledger protocol - Guest speaker on legal issues 	<ul style="list-style-type: none"> • Lecture • HW: security tokens related reading
Six	2/26/2019	Securities tokens, Bruce Fenton -CEO Atlantic Financial Blockchain Labs	
Seven	3/5/2019	Review session Students final presentation	

Grades

This course is pass/fail. Adhere to submission deadlines to avoid penalty.

Class Final

To pass this class this class you will need to answer/complete the following

- Read chapters 1&2 of Mastering Bitcoin <https://github.com/bitcoinbook/bitcoinbook>
- Read the bitcoin white paper <https://bitcoin.org/bitcoin.pdf>
- Answer, Who invented Bitcoin?
- In a page explain, what is Bitcoin in your own words and make a prediction about the future regarding cryptocurrencies and/or distributed ledger technology
- Participate in Group Project/Presentation
- Participate and be in attendance to all classes
- Participate in slack channel, discuss readings, ask/answer questions, share interesting ideas/articles

Group Project

Bitcoin and distributed ledger technology is said to be a disruptive technology. Within groups of 3 come up with a business plan that utilizes cryptocurrency or a blockchain to improve efficiency in any industry you would like.

The presentation should include:

- Overview of your industry, include competition
- The problem or inefficiencies you are trying to solve
- The solution to this problem
- Business model

Communication Expectations

I am online most of the time and Slack is the easiest way to communicate with me and the rest of your classmate.

Here is the link to join.

https://join.slack.com/t/bitcoininbuss-xzc3988/shared_invite/enQtNTI2Mjk5NDY3MjM0LTBmYWU4ODY3NTZjZWUwYjNlMjNkNGNiMTNkZTgzZDUyNzYzMzUzMzI1NmYzYTY0NWwN2EzZDY3MmM5NjNkMDE

Slack can be downloaded in the app store

Technical Requirements and Technical Support

See website listings for current recommendations and requirements related to this course - <https://online.unh.edu/technical-requirements>.

For technical assistance please call (603) 862-4242 or fill out an online support form at <https://itsupport.unh.edu/onlinelearning/>

University Disability Accommodations

The University is committed to providing students with documented disabilities equal access to all university programs and facilities. If you think you have a disability requiring accommodations, you must register with Student Accessibility Services (SAS) <http://www.unh.edu/studentaccessibility>. Contact SAS at (603) 862-2607 or SAS, please provide me with that information privately so that we can review those accommodations.

Academic Honesty

Students are required to abide by the UNH Academic Honesty policy located in the [Student Rights, Rules, and Responsibilities Handbook](#).

Plagiarism of any type may be grounds for receiving an “F” in an assignment or an “F” in the overall course. Plagiarism is defined as “the unattributed use of the ideas, evidence, or words of another person, or the conveying the false impression that the arguments and writing in a paper are your own.” (UNH Academic Honesty Policy, 09.3) Incidents are reported to the school dean and may be grounds for further action. If you have questions about proper citation refer to your department’s writing guidelines. You can contact me at any time on this issue. Additional resources are located below:

<http://libraryguides.unh.edu/unhmcitingsources>

<http://www.library.unh.edu/reference/citation.shtml>

Note: This syllabus is subject to change. Students will be promptly notified of any changes.