



Course Code BADM-491	Course Title Special Topics in Business	ECTS Credits 6
Prerequisites None	Department Management & MIS	Semester Summer
Type of Course Elective	Field Business/MIS	Language of Instruction English
Level of Course 1 st cycle	Lecturer(s) Prof. Marinos Themistocleous Mr. Andreas Vlachos	Year of Study 3 rd or 4 th
Mode of Delivery Face to Face	Work Placement N/A	Co-requisites N/A

Objectives of the Course:

The main objectives of the course are to:

- Explain principles of cryptocurrencies
- Explain mining of cryptocurrencies and demonstrate storing and using cryptocurrencies
- Provide an overview of blockchain technology
- Examine the theory and principles by which Blockchains operate
- Introduce blockchain applications for banking/finance and other industries

Learning Outcomes:

After completion of the course students are expected to be able to:

1. Demonstrate how blockchain technology works.
2. Discuss and place cryptocurrencies and Blockchain activities, within an appropriate technological and monetary context.
3. Master basic usage skills around Bitcoin.
4. Discuss how the innovative nature and usability of smart contracts and blockchain applications.

Course Contents:

1. Introduction to Cryptocurrencies
2. Become a Cryptocurrency user – Wallet Protection
3. Exploring Bitcoin transactions
4. Cryptocurrencies beyond Bitcoin
5. Introduction to Blockchains
6. Global Adoption and Regulatory Landscape
7. Smart Contract Fundamentals
8. Blockchain Applications beyond Banking and Finance I
9. Blockchain Applications beyond Banking and Finance II
10. Blockchain Applications for Banking and Finance
11. Traditional Crowdfunding vs ICOs vs STOs
12. The Future of Cryptocurrencies and Blockchain

Learning Activities and Teaching Methods:

Lectures, Theoretical Assignment (Mid-term) and Final Exam

Assessment Methods:

- Mid-Term Exam: 30%
- Final Examination: 70%

Recommended Textbooks / Readings:

Title	Author(s)	Publisher	Year
Mastering Bitcoin	Andreas Antonopoulos	O'Reilly Publishing	2014
Bitcoin and Cryptocurrency Technologies: A Comprehensive Introduction	Arvind Narayanan, Steven Goldfeder	Princeton University Press	2016

Blockchain Revolution: How the Technology Behind Bitcoin Is Changing Money, Business and the World	Don Tapscott, Alex Tapscott	Penguin Books Limited	2016
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