Quantitative Finance

Decentralised Technologies and Cryptocurrencies

29 04 2021- class test

**Example topics for exam preparation.**

The exam will consist of a set of questions and a programming exercise. You are required to EITHER answer to 6 questions, OR 4 questions + the programming exercise.

In the following you will find some examples of topics you will be asked to answer some questions about in the exam. Some questions topics from past exams follows:

* Briefly explain the concept of *decentralization*
* What is consensus? How it is used? How does it work in Bitcoin?
* What is multi-sig?
* Hash, Merkle Tree, ECDSA
* Smart Contracts
* ERC20
* Remix Basics ( run, execute, deploy, modify)

These are only for giving you an idea about what to expect. All topics covered in lectures may be included.

The programming exercise will consist in developing/adapting a simple program starting from a provided program. You will use the tools seen in lectures/labs to develop and test your program.