PD-1.0 Introduction programming DAPPs

Koios

- PD-1.1 Course learning goals
- PD-1.2 Didactic model
- PD-1.3 Grading

PD-1.1 Course learning goals

END TERMS	LEARNING OUTCOMES MINOR	Bloom objective
B4: Motivated selection of ICT related solutions	LO 8: Student chooses which architecture, from high level and low level architecture, is applicable based on the specific situation	Evaluate
B4: Motivated selection of ICT related solutions	LO 9: Student evaluates and selects the building blocks to build decentralized applications (network, cryptographic, generic, project based).	Evaluate
C9: Designing technical infrastructure D14: Realization of software D16: Realization and using databases D17: Configuration E19: Managing designing processes	LO 10: Student creates a decentralized application by using programming languages, decentralized architecture, programming tools, programming patterns and building blocks (LO 9).	Create
D15: Testing	LO 11: Students creates and runs automated tests to test their decentralized application.	Create
C6: Software design C7: Database design C11: Human Computer Interaction design	LO 12: Student creates a design of a decentralized application combining the knowledge of ICT and other domains (legal, economic, etc.).	Create
E18: Managing applications, data, information and technical infrastructure	LO13: Student demonstrates how to deploy the decentralized application, how to deploy nodes, and how to manage keys.	Apply

PD-1.2 Didactic model

Online videos and sheets

Koios

Programming dapps

https://www.koios.online

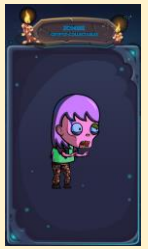
Other online material

http://web3examples.com

Tools

http://web3examples.com/ethereum/install/

Internet resources



Learn

Practice: assignments

https://web3examples.com/THUASMinorBlockchain

Github

https://github.com/web3assignments

Feedback

Help colleagues

Q&A Sessions Fridays

https://web3examples.com/THUASMinorBlockchain

Slack

#20-programming-dapps

Community

Join KOIOS on Slack

PD-1.3 Grading

Programming Dapps
Source code in github (weekly)
Demonstrated working code
Nice looking application
Active participation in lessons & slack

Results of Part A

Group assignment

Grade