Blockchain Student's onboarding package

Congratulations for being a part of a new course in Blockchain and stepping on a learning journey of becoming Blockchain BlackBelt Ninja!

This course will give you a full introduction into all of the core concepts in blockchain, smart contracts, solidity, NFTs/ERC721s, ERC20s, Coding Decentralized Finance (DeFi), python and solidity, Chainlink, Ethereum, upgradable smart contracts, and full stack blockchain development.

1. Github Course repository

The complete information about the course You can find here: https://github.com/smartcontractkit/full-blockchain-solidity-course-py It contains the content, the code and everything you should know to complete the course.

2. Video Lectures

Solidity, Blockchain, and Smart Contract Course – Beginner to Expert Python Tutorial - YouTube

3. Schedule

Live Sessions with mentors:

Wednesday 7.30 PM, Okoey

Sunday 2 PM, Ray

Week	Dates	Complete the content by Wednesday 7.30 PM (Okoye)	Complete the content by Sunday 2 PM (Ray)

1	Feb 14 - Feb 20	· Lesson 0: Welcome To Blockchain
		  ◦ What is a Blockchain?
		  ◦ Making Your First Transaction
		  ◦ How Do Blockchains Work?
		    ▪ Consensus
		  ◦ The Future
		  ◦ Miscellaneous
			· Lesson 1: Welcome to Remix! Simple Storage
			  ◦ Everything in this section can be read about in the Solidity Documentation
			  ◦ Remix
			  ◦ Basic Solidity
			  ◦ Deploying to a "Live" network

2	Feb 21 - Feb 27	· Lesson 2: Storage Factory	· Lesson 3: Fund Me

		· Inheritance, Factory Pattern, and Interacting with External Contracts	· Payable, msg.sender, msg.value, Units of Measure · Chainlink Oracles · Importing from NPM and Advanced Solidity
3	Feb 28 - Mar 6	· Lesson 4: Web3.py Simple Storage · Installing VSCode, Python, and Web3 · Our First Python Script with Web3.py - Deploying a Contract · Interacting with Our Contract in Python & Web3.py	· Lesson 5: Brownie Simple Storage · Brownie Introduction · Installing Brownie · Brownie Simple Storage Project · Testing Basics · [Brownie console]
4	Mar 7 - Mar 13	· Lesson 6: Brownie Fund Me · Introduction · Dependencies, Deploying, and Networks · Funding and Withdrawing Python Scripts · Testing across networks · Git	· Lesson 7: SmartContract Lottery · Introduction · Lottery.sol · Testing Lottery.sol · Lottery.sol Testnet Deployment
5	Mar 14 - Mar 20	· Lesson 8: Chainlink Mix · Brownie Mixes	· Lesson 9: ERC20s, EIPs, and Token Standards
6	Mar 21 - Mar 27	· Lesson 10: Defi & Aave · Defi Intro · Aave UI · Programmatic Interactions with Aave · Testing	· Lesson 11: NFTs · Non-Technical Explainer · Simple NFT · SimpleCollectible Testing · Advanced NFT · Advanced deploy_and_create · Creating Metadata & IPFS
7	Mar 28 - Apr 3	· Lesson 12: Upgrades · Introduction to upgrading smart contracts · Upgrades-mix and code · Testing Upgrades · Upgrades on a testnet	· Bonus Lesson 13: Full Stack Defi · Defi Stake Yield Brownie Scripts & Tests · Testing our Defi Stake Yield Brownie Dapp · Front End / Full Stack

All the Sessions will be on Discord: https://discord.gg/g3SuGmwv