INDUSTRIAL INFORMATICS (required language level B2) MASTER LEVEL	MASTER LEVEL — Description	Lecturer	CP / ECTS	Term
PROJECT : Digitalization with Industry 4.0	Project description will follow soon/only 1 project per semester is possible	Mr Colombo	10	fall and spring
PROJECT: Industrial Internet of Things	Project description will follow soon/only 1 project per semester is possible	Mr Colombo	10	fall and spring
PROJECT: Artifical Intelligence and Digitalization	Project description will follow soon/only 1 project per semester is possible	Mr Colombo	10	fall and spring
LECTURE/LAB: Blockchain and the XRP Ledger	The ultimate goal of the course is to carry out a project in the field of "Web3"/Finternet.You can actively shape the project's topic yourself. Here is a brief overview of the key topics we will cover at the beginning: •Fundamentals of Blockchain and Crypto: oThe basics of cryptocurrencies, blockchain technology, and Web3. Covers topics such as blockchain, transactions, smart contracts, and current trends like NFTs and gaming. •Introduction to XRPL: oThe XRP Ledger, its history, functionality, and key features. •XRPL and DeFi: oTopics related to decentralized finance (DeFi) on the XRPL, including auto-bridging, pathfinding, and liquidity pools. •Programming with XRPL and JavaScript: oHow to program on the XRPL using JavaScript, set up accounts, send XRP, and create trustlines. •Development with XRPL and React.js: oUsing React.js to interact with the XRPL, including account creation and XRP transactions. For more information, visit the XRPL Learning Portal: https://learn.xrpl.org/	Mr. Veltink	5	fall term