MODULE MAP, DP in Information and Communication Technology, Bioeconomy
Academic year 2022-2023

1st module / 22.8.-14.10.
- Working in Bioeconomy
  - Johanna Salmia
  - Digitalized Bioeconomy
  - Programming and Information
  - Network Basics
  - Algebra
  - Introduction to Communication 1
  - Finnish 1

2nd module / 24.10.-16.12.
- eBioeconomy
  - Johanna Salmia
  - Responsible Circular Bioeconomy
  - Digital Services
  - Microcontrollers
  - Professional English 1
  - Geometry and Linear Algebra
  - Finnish 2

3rd module / 9.1.-10.3.
- Bioeconomy Value Chains
  - Johanna Salmia
  - Bioeconomy Value Chains and Network
  - Databases
  - Chemistry
  - Introduction to Communication 2
  - Professional English 2
  - Finnish 3

4th module / 13.3.-5.5.
- Data Analytics
  - Anne-Mari Järvenpää
  - DF Data-based Decision Making and Data Analytics tools
  - DF Project Work
  - DF Data Processing and Analysis with Python

Summer period
8.5.-31.8.
- Work Placement
  - Johanna Salmia

1st module / 22.8.-14.10.
- Management and Responsible Procurement
  - Johanna Salmia
  - Lean as the Cornerstone of Efficiency
  - Management and Responsible Procurement Project

2nd module / 24.10.-16.12.
- GIS and Smart Logistics
  - Anne-Mari Järvenpää
  - GIS
  - Logistics
  - Smart Logistics Project

3rd module / 9.1.-10.3.
- 3D Modelling and Printing
  - Ari Hietala
  - 3D Modelling and Printing

4th module / 13.3.-5.5.
- Development Project
  - Anne-Mari Järvenpää
  - Development Project

Core competence, 165 cr in total (incl. Thesis)
Profiling competence, 75 cr in total

Professional skills / Other studies, e.g., Campusonline
Final thesis, Anne-Mari Järvenpää

Startup Business School
School of Entrepreneurship and Business