Course Description – Winter 2023/24

Title	Artificial Intelligence
Faculty	Electrical Engineering
Professor	Bachmann
ECTS	5
Level	Bachelor
Requirements	Basic knowledge in computing
Add. Information	Students understand basic concepts and methods of Artificial Intelligence (AI). You learn to understand different AI methods and have practice work with Python.

Content	Parts
	• Theory
	  ○ Introduction
	  ○ Set of AI methods
	  ○ Classification Problems
	  ○ Propositional Logic
	  ○ Predicate Logic
	  ○ Search Problems
	  ○ Fuzzy Logic
	  ○ Bayes Networks
	  ○ Support Vector Machines
	  ○ Neural Networks
	  ○ Machine Learning
	• Practice Work with Python
	  ○ Overview and Basics
	  ○ Useful Packages
	  ○ Creating Examples based on Theory