

Academic year 2022-2023
Master in Computational Linguistics

Year 1 (class 2022-2024)

Semester 1

Compulsory courses

Computational Lexicology, Morphology and Syntax 7.5 ECTS
C: 2 S: 2 L: Ex: E

Innovative Applications of Natural Language Processing in Entrepreneurial Context 7.5 ECTS
C: 2 S: 2 L: Ex: EVP

Optional courses: 2 out of 4

Data Structures and Algorithms 7.5 ECTS
C: 2 S: 2 L: Ex: E

Advanced Software Engineering Techniques 7.5 ECTS
C: 2 S: 2 L: Ex: E

Mathematical Basics of Computational Linguistics and Formal Languages 7.5 ECTS
C: 2 S: 2 L: Ex: EVP

Development of Web Applications 7.5 ECTS
C: 2 S: 2 L: Ex: E

Semester 2

Compulsory courses

Virtual Assistants 7.5 ECTS
C: 2 S: 2 L: Ex: E

Statistical Natural Language Processing 7.5 ECTS
C: 2 S: 2 L: Ex: E

Speech Processing and Fuzzy Systems 7.5 ECTS
C: 2 S: 2 L: Ex: EVP

Optional courses: 1 out of 2

Script Languages 7.5 ECTS
C: 2 S: 2 L: Ex: EVP

Data Mining 7.5 ECTS
C: 2 S: 2 L: Ex: E

Academic year 2022-2023
Master in Computational Linguistics

Year 2 (class 2021-2023)

Semester 1

Compulsory courses

Semantics and Pragmatics of Natural Language 7.5 ECTS
C: 2 S: 2 L: Ex: E

Deep Learning with Applications in NLP 7.5 ECTS
C: 2 S: 2 L: Ex: E

Machine Translation 7.5 ECTS
C: 2 S: 2 L: Ex: E

Optional courses: 1 out of 2

Big Data Analytics 7.5 ECTS
C: 2 S: 2 L: Ex: E

Special Chapters on Artificial Intelligence 7.5 ECTS
C: 2 S: 2 L: Ex: EVP

Semester 2

Compulsory courses

Ethics and Academic Integrity 5 ECTS
C: 1 S: L: Ex: EVP

Professional/Research Practice 12 ECTS
C: S: L: 6 Ex: EVP

Methodology for Dissertation Development 13 ECTS
C: S: L: 7 Ex: EVP