

Appendices Master's degree programme Human-Machine Communication

Appendix A Teaching outcomes of the degree programme (art. 1.3)

The degree programme is designed to:

- prepare for participation in the field of Cognitive Science and its applications, Usability Engineering, Language and Speech Technology and Human-Machine Communication, and/or for the profession of system or interface designer
- impart specialized knowledge, skills and insight in the field of Cognitive Science and its applications and Human-Machine Communication at a high national and international academic level
- prepare for conducting academic research in the field of Cognitive Science and its applications to Cognitive Ergonomics and Human-Machine Communication

**Appendix B Specializations of the degree programme
(art. 2.2)**

Appendix C Content of the degree programme (art. 2.3)

The **degree programme** consist of the following compulsory modules with a study load of 5 ECTS unless otherwise stated, with their related form of examination:

- Cognitive Modeling: research assignment, written paper
- Language Modeling: oral presentation, research assignment, written paper
- Neuro-ergonomics: written paper
- Usability Analysis and Engineering: design or research assignment, written exam
- User Models: design assignments, written paper
- Advanced Research Methods: research assignment, written paper, written exam
or Experimental Skills, Advanced
- Experimental Design and Analysis of Variance **or**
Repeated Measures
- Final Research project (45 ECTS): research project **or**
Final Research project (30 ECTS): research project *and* Internship (15 ECTS)

Appendix D Optional modules (art. 2.4)

1. With the approval of the Board of Examiners, a student may choose one or more of the following optional modules with a study load of 5 ECTS, with their related form of examination:
 - Advanced Research Methods: research assignment, written paper, written exam
 - Arguing Agents: assignment, written exam
 - Auditory Biophysics: research assignment, oral presentation
 - Capita Selecta Artificial Intelligence and Cognitive Science: oral presentation, written paper
 - Cognitive Robotics: computer assignments, written exam
 - Computational Discourse: written assignments, computer labs, oral presentation
 - Design of Multi-Agent Systems: implementation assignment, oral presentation
 - Dynamic Interactive Belief Revision: written exam
 - Handwriting Recognition: implementation assignments, oral presentation, paper
 - Machine Learning: implementation assignment, written exam
 - Multi-Agent Systems: implementation assignments, oral presentation
 - Perception: research assignment, written exam
 - Robotics: design assignment, written paper.
 - Sound Recognition: design assignment, implementation assignment, paper

2. With the approval of the Board of Examiners, a student may also choose one or more of the following optional modules with a study load of 5 ECTS unless otherwise stated (see Ocasys for form of examination):
 - Advanced Topics in Cognitive Neuroscience
 - Advanced Web Technologies
 - Boundaries of Psychology
 - Capita Selecta Evolutionary Psychology
 - Causal Inference
 - Cognition, Motivation and Emotion
 - Cognitive Revalidation of Neuropsychological Functional Disorders
 - Computer-Mediated Communication
 - Consciousness and Action
 - Dutch Semantics and Language Acquisition
 - Embodied & Embedded Cognition
 - Experimental Design and Analysis of Variance
 - Experimental Linguistics EMCL
 - Logics of Information Change
 - Memory and Learning
 - Natural Language Processing
 - Philosophy of Neuroscience
 - Programming in C++ (max 8 ECTS)
 - Repeated Measures
 - Scientific visualization
 - Self-organization, Cognition and Social Systems
 - Semantic Web Technologies
 - Skill acquisition and Training

**Appendix E Entry requirements and compulsory order of examinations
(art. 3.2)**

Final Research project: Advanced Research Methods **or** Experimental Skills,
Advanced and at least 60 ECTS of the degree programme

Appendix F Admission to the degree programme (art. 4.1.1 + art. 4.2)

1. Students in possession of a Dutch or foreign certificate of higher education that indicates that they have the following knowledge and skills shall be admitted to the degree programme:
 - knowledge of and insight in the subject of Artificial Intelligence
 - knowledge of and insight in the subject of Cognitive Psychology or Cognitive Science
 - knowledge of and insight in the subject of Statistics and Research methods
 - practical skills in Programming

2. The holder of a certificate from the Bachelor's degree programme "Artificial Intelligence" of any university in the Netherlands is expected to have the knowledge and skills listed in Article 4.1.1 and is admitted to the degree programme on that basis.

Appendix G Application deadlines for admission (art. 4.5)

Deadline of Application	Non-EU students	EU students
Nanoscience	February 1st 2009	February 1st 2009
Behavioural and Cognitive Neurosciences	February 1st 2009	June 1st 2009
Biomolecular Sciences (topprogramme)	February 1st 2009	April 15 th 2009
Evolutionary Biology (topprogramme)	February 1st 2009	February 1st 2009
Artificial Intelligence (admission dates for semester 1 and 2)	April 15th 2009 and October 15th 2009	June 1st 2009 and December 1st 2009
Human-Machine Communication (admission dates for semester 1 and 2)	April 15th 2009 and October 15th 2009	June 1st 2009 and December 1st 2009
Remaining FMNS Masters	April 15 th 2009	June 1st 2009