

Curriculum Changes 2019-2020

Master of Science, Artificial Intelligence

The Artificial Intelligence department continuously reviews and refines the undergraduate curriculum to ensure that it is at the forefront of AI education, meets the highest learning outcomes and standards, and is responsive to the needs of our students. Changes are made with due consideration to minimize negative impact, safeguard academic standards and maintain or improve the quality of the learning experience.

A transitional regulation applies when curriculum requirements change, and the regulation ensures that the consequences of changes to the curriculum are minimal. A transitional regulation can be helpful if a course that you have not yet passed is no longer offered, has changed in significant ways, or has shifted to another curriculum year of the programme. Transitional regulations contain information about when resits are scheduled, when courses are (re)scheduled, and/or which academic requirements students have to fulfil instead of, or in addition to, diversified, renewed, or expired courses.

The Education and Examination Regulations (EER) contains rules applicable to teaching and exams, as well as explanations of transitional regulations: <https://www.ru.nl/socialsciences/stip/faculty-study-information/arrangements/education-examination-regulations/>.

Please review the current curriculum in the AI prospectus: <https://www.ru.nl/prospectus/socsci/>.

The transitional regulations in this document apply to students:

- who started the AI master's degree in academic year 2016-2017 or later
- and have complied with the official curriculum requirements since academic year 2016-2017
- and have not yet completed one or more curriculum requirements

Basis of these transitional regulations:

- Each student has the opportunity to continue studying the programme in which he/she started (cohort), provided that he/she studies nominally
- For courses that are offered for the last time, an examination opportunity will be offered once in the next academic year.

If you are experiencing delays to your academic progress, you are strongly advised to contact Student Advisor Nav Muts (n.muts@ai.ru.nl) to discuss your academic progress and plan for the remainder of your studies.

Questions

If you have questions about the transitional regulations, please contact the Student Advisor, Nav Muts, at n.muts@ai.ru.nl.

Disclaimer

The information contained in this document is for guidance purposes only. It has been compiled with the utmost care and is, to the best of our knowledge, true and accurate at the time of publication. Information covered by this document is subject to change due to a continuous process of review, and to unanticipated circumstances. No rights or liabilities may be derived from its content or as a result of use or reliance on this guide, or on the information therein, or in relation to information accessed via any links from or to any webpages. Where necessary, the AI Examining Board decides on course-specific or student-specific transitional regulations that differ from the arrangements in this document.

CURRICULUM CHANGES MSc ARTIFICIAL INTELLIGENCE, 2019-2020

1. New courses (see course descriptions in prospectus for more information)

N.B. Any Compulsory or Specialisation Course in one specialisation may be taken as a Specialisation Elective in the other specialisation. Any master's course may be taken as a regular elective (Free Choice).

Course	Specialisation	Mandatory/elective 2018-2019 or earlier	Instructions/Remarks
SOW-MKI95 Computer Graphics & Computer Vision	Intelligent Technology	Specialisation Course	
SOW-MKI96 Neuromorphic Computing (6 EC)	Cognitive Computing	Specialisation Course	
NWI-NM099b Advanced Neuroscience Techniques (6 EC)	Cognitive Computing	Specialisation Elective	Faculty of Science course. Please contact the lecturer with questions.
NWI-NM085C Advanced Computational Neuroscience (6 EC)	Cognitive Computing	Specialisation Elective	<ul style="list-style-type: none"> Also, see information below for "NWI-NM047D Computational Neuroscience". Faculty of Science course. Please contact the lecturer with questions.
NWI-NM048B Advanced Machine Learning (6 EC)	Cognitive Computing	Specialisation Elective	Faculty of Science course. Please contact the lecturer with questions.

2. Courses no longer offered

Course	Specialisation	Mandatory/elective 2018-2019 or earlier	Instructions/Remarks
SOW-MKI47 Trends in Artificial Intelligence (6 EC)	all specialisations	mandatory course	See "Transitional Regulations" below
SOW-MKI65 Social Robotics (3 EC)	Robot Cognition	Specialisation Course	See "Transitional Regulations" below

3. Courses with changes to name, credits (EC) and/or course code

Course 2018-2019	Course 2019-2020	Instructions/Remarks
NWI-NM047C Computational Neuroscience (9 EC)	NWI-NM047D Computational Neuroscience (3 EC)	<ul style="list-style-type: none"> See information above regarding new course "NWI-NM085C Advanced Computational Neuroscience". Faculty of Science course. Please contact the lecturer with questions.

4. Courses with new names

Course 2018-2019	Course 2019-2020	Instructions/Remarks
SOW-MKI67 Societal Impact of AI (6 EC)	SOW- MKI67 Ethics for AI (6 EC)	

5. New options: compulsory & elective courses

- Courses that new students (cohort 2019-2020) take as Compulsory, Specialisation or Specialisation Elective courses
- Students from cohorts 2018-2019 or earlier must request permission from the Examining Board (excieai@ai.ru.nl) if they wish to take any of the courses listed below to fulfil requirements for a specialisation core category (i.e., Compulsory Course or Specialisation Course).
- **N.B.** Students are not allowed to combine Specialisation Courses and Compulsory Courses from previous academic years and academic year 2019-2020 within a specialisation core category. Each specialisation core category must be composed entirely of courses from a previous curriculum (i.e., 2018-2019 or older) or the 2019-2020 curriculum, but not courses from both.

Course	Specialisation	Curriculum category	Instructions/Remarks
NWI-NM080b Quantitative Brain Networks (6 EC)	Cognitive Computing	Specialisation Elective	Faculty of Science course. Please contact the lecturer with questions.
SOW-MKI46 Advanced Brain-Computer Interfaces (6 EC)	Intelligent Technology	Compulsory Course	
SOW-MKI95 Computer Graphics & Computer Vision (6 EC)	Intelligent Technology	Compulsory Course	
NWI-I00155 Design of Embedded Systems (6 EC)	Intelligent Technology	Specialisation Elective	Faculty of Science course. Please contact the lecturer with questions.
LET-REMA-LCEX19 Introduction Language and Speech Technology (6 EC)	Intelligent Technology	Specialisation Elective	Faculty of Arts course. Please contact the lecturer with questions.

TRANSITIONAL REGULATIONS MSc ARTIFICIAL INTELLIGENCE, 2019-2020

Course	Transitional regulation(s)	Regulation applicable	Instructions/Remarks
SOW-MKI47 Trends in Artificial Intelligence (6 EC)	<p>Students who did not pass SOW-MKI47 should <u>choose one</u> of the following courses:</p> <ol style="list-style-type: none"> 1. NWI-IMC030 Machine Learning in Practice (6 EC), <u>or</u> 2. NWI-IMC056 Statistical Machine Learning (6 EC) 	2019-2020	
SOW-MKI65 Social Robotics (3 EC)	<p>Students who did not pass SOW-MKI65 should <u>choose one</u> of the following options:</p> <ol style="list-style-type: none"> 1. Do the examination of SOW-MKI65 in the first semester of 2019-2020. There will be only one examination opportunity offered in the 2019-2020 academic year. 2. Replace SOW-MKI65 with the course "NWI-NM102 Auditory Perception and Technology" (3 EC) 	2019-2020	<ol style="list-style-type: none"> 1. Students who opt to do the SOW-MKI65 exam must contact Dr. Johan Kwisthout in September 2019 to make arrangements. 2. NWI-NM102 is a Faculty of Science course. Please contact the lecturer with questions.