

Kursnummer: DLMAISAI01	Kursname: Seminar: AI and Society	Gesamtstunden: 150 h ECTS Punkte: 5 ECTS
Kurstyp: Pflicht, Wahlpflicht Zu Details beachte bitte das Curriculum des jeweiligen Studiengangs Kursangebot: WS, SS Course Duration: Minimum 1 semester		Zugangsvoraussetzungen: None
Kurskoordinator(en) / Dozenten / Lektoren: Siehe aktuelle Liste der Tutoren im Learning Management System		Bezüge zu anderen Modulen: Siehe Modulbeschreibung
<p>Beschreibung des Kurses:</p> <p>In the current decade, impressive advances have been achieved in the field of artificial intelligence. Several cognitive tasks like object recognition in images and video, natural language processing, game strategy, and autonomous driving and robotics are now being performed by machines at unprecedented levels of ability. This course will examine some of societal, economic, and political implications of these developments.</p> <p>Course Objectives and Outcome:</p> <p>On successful completion of this course, students will be able to:</p> <ul style="list-style-type: none"> • name selected current societal topics and issues in artificial intelligence. • explain the influence and impact of artificial intelligence on societal, economic, and political topics. • transfer theoretically-acquired knowledge to real-world cases. • treat in a scientific manner a select topic in the form of a written essay. • critically question and discuss current societal and political issues arising from the recent advances in artificial intelligence methodology. • develop own problem-solving skills and processes through reflection on the possible impact of their future occupation in the sector of artificial intelligence. <p>Teaching Methods:</p> <p>The learning materials include printed and online course books, vodcasts, online knowledge tests, podcasts, online tutorials, and case studies. This range of learning materials is offered to students so they can study at a time, place, and pace that best suits their circumstances and individual learning style.</p> <p>Course Content:</p> <p>The seminar covers current topics concerning the societal impact of artificial intelligence. Each participant must create a seminar paper on a topic assigned to him/her.</p> <p>A current list of topics is given in the Learning Management System.</p>		

Literatur:

- Boddington, P. (2017). Towards a code of ethics for artificial intelligence (1st ed.). New York, NY: Springer International Publishing.
- Bostrom, N. (2016). Superintelligence: Paths, dangers, strategies. Oxford: Oxford University Press.
- Tegmark, M. (2018). Life 3.0: Being human in the age of artificial intelligence. New York, NY: Penguin.
- Wachter-Boettcher, S. (2017). Technically wrong: Sexist apps, biased algorithms, and other threats of toxic tech. New York, NY: W. W. Norton & Company.

A current list with course-specific compulsory reading, as well as references to further literature, is stored in the Learning Management System.

Prüfungszugangsvoraussetzung:

Course evaluation

Prüfungsleistung:

Written Assessment: Research Essay

Student Workload (in hours): 150

Self-study: 120

Self-testing: --

Tutorials: 30