HAW Kiel
Hochschule für Angewandte Wissenschaften Kiel
Kiel University of Applied Sciences

MADS-T - Thesis

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Allgemeine Informationen	
Modulkürzel oder Nummer	MADS-T
Eindeutige Bezeichnung	
Modulverantwortlich(e)	Prof. Dr. Doerfel, Stephan (stephan.doerfel@haw-kiel.de) Prof. Dr. Schwörer, Tillmann (tillmann.schwoerer@haw-kiel.de) Prof. Dr. Prange, Michael (michael.prange@haw-kiel.de)
Lehrperson(en)	Prof. Dr. Doerfel, Stephan (stephan.doerfel@haw-kiel.de) Prof. Dr. Prange, Michael (michael.prange@haw-kiel.de) Prof. Dr. Schwörer, Tillmann (tillmann.schwoerer@haw-kiel.de)
Wird angeboten zum	Sommersemester 2024
Moduldauer	1 Fachsemester
Angebotsfrequenz	Regelmäßig
Angebotsturnus	In der Regel jedes Semester
Lehrsprache	Englisch
Empfohlen für internationale Studierende	Ja
Ist als Wahlmodul auch für andere Studiengänge freigegeben (ggf. Interdisziplinäres Modulangebot - IDL)	Nein

Studiengänge und Art des Moduls (gemäß Prüfungsordnung)

Studiengang: M.Sc. - DS - Data Science
Modulart: Pflichtmodul
Fachsemester: 3

Kompetenzen / Lernergebnisse

Kompetenzbereiche: Wissen und Verstehen; Einsatz, Anwendung und Erzeugung von Wissen; Kommunikation und Kooperation; Wissenschaftliches Selbstverständnis/Professionalität.

Students
- are able to translate a practically or academically relevant data science problem into a theoretical research framework.
- can familiarize themselves with the relevant research publications and possibly identify research gaps and are capable to provide a theoretical overview summarizing the current state of research.
- can identify and select the appropriate research methodology to address the chosen research question.

Students
- are able to professionally prepare and execute a project own their own, either in an academic or corporate environment, delivering the results in time.
- are able to apply their competencies to analyze, structure and solve complex problems, building on state of the art technologies and methods.
- are able to prepare a research paper in compliance with norms for academic and scholarly expression and for publication in the public domain.

Students - are capable to organize themselves individually in an effective manner to set the right priorities and manage their resources to successfully meet the requested academic requirements. - are capable to present and defend their research project in front of a qualified academic audience. - respond to criticism in an open self-reflective constructive manner.
Students - can apply the academic rules of conduct expected by a researcher to achieve an objective, valid, reliable and ethically justifiable research outcome. - can conduct themselves in a professional and respectful manner in particular with respect to the time made available by their supervisor by being well prepared for meetings and request for appointments in writing with the questions and or issues to be addressed clearly laid out in advance.

Angaben zum Inhalt	
Lehrinhalte	In the Master Thesis, the candidate should demonstrate that he or she is able to independently carry out a research project in any of the disciplines offered by the Data Science Master program such as Machine Learning, Deep Learning, Data Management, Cloud Computing, Big Data Technologies, Data Visualization, Natural Language Processing, or some related field. The Master Thesis can be either an academic research project or a practical data science project in a corporate environment. The topic of the thesis is determined in consultation with the candidate and the supervising lecturer.

Lehrformen der Lehrveranstaltungen	
Lehrform	**SWS**
Keine Präsenzzeit	0

Arbeitsaufwand	
Anzahl der SWS	0 SWS
Leistungspunkte	25,00 Leistungspunkte
Präsenzzeit	0 Stunden
Selbststudium	750 Stunden

Modulprüfungsleistung	
Voraussetzung für die Teilnahme an der Prüfung gemäß PO	For admission to the final thesis, all examinations of the compulsory modules must have been passed.
MADS-T - Abschlussarbeit (Thesis)	Prüfungsform: Abschlussarbeit (Thesis) Gewichtung: 100% wird angerechnet gem. § 11 Absatz 2 PVO: Nein Benotet: Ja