

MADS-AP - Application Project

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General information	
Module Code	MADS-AP
Unique Identifier	ApplProj-01-MA-M
Module Leader(s)	Prof. Dr. Schwörer, Tillmann (tillmann.schwoerer@haw-kiel.de) Prof. Dr. Doerfel, Stephan (stephan.doerfel@haw-kiel.de)
Lecturer(s)	Prof. Dr. Doerfel, Stephan (stephan.doerfel@haw-kiel.de) Prof. Dr. Schwörer, Tillmann (tillmann.schwoerer@haw-kiel.de)
Offered in Semester	Wintersemester 2026/27
Module duration	1 Semester
Occurrence frequency	Regular
Module occurrence	In der Regel jedes Semester
Language	Englisch
Recommended for international students	No
Can be attended with different study programme	No

Curricular relevance (according to examination regulations)
Study Subject: M.Sc. - DS - Data Science Module type: Pflichtmodul Semester: 2

Qualification outcome
<i>Areas of Competence: Knowledge and Understanding; Use, application and generation of knowledge; Communication and cooperation; Scientific self-understanding / professionalism.</i>
Students - know how to organize data science projects. - know how to perform the relevant tasks in data science projects.
Students - are able to apply their knowledge in real-world data science projects.
Students - are able to work professionally with external customers - are able to successfully organize teamwork for data science projects. - are able to report and present team solutions for practical project tasks. - are able to leverage the individual skills of all team members.
Students - are able to work professionally in the field of data science. - are able to give and accept professional feedback to different topics of data science.

Content information	
Content	<p>In general, the application project is carried out in teams and together with an external project partner. Topics are provided by the lecturers in collaboration with the external project partners. The application project requires independent and self-contained work in the teams to deepen the knowledge obtained from the data science lectures.</p> <p>The application project work typically includes:</p> <ul style="list-style-type: none"> - Creation and assessment of methods according to standard research methodologies. - Execution of experiments and documentation. - Creation, implementation and documentation of tools and applications. - Regular progress reports and consultations with both project partners and lecturers - Presentation of results to project partners and participants of the study programme
Literature	<p>Presentation slides Information by provided by project partner</p>

Teaching formats of the courses	
Teaching format	SWS
Projekt	8

Workload	
Number of SWS	8 SWS
Credits	10,00 Credits
Contact hours	96 Hours
Self study	204 Hours

Module Examination	
Examination prerequisites according to exam regulations	None
MADS-AP - Projektbezogene Arbeiten	<p>Method of Examination: Projektbezogene Arbeiten Weighting: 100% wird angerechnet gem. § 11 Absatz 2 PVO: No Graded: Yes</p>

Miscellaneous	
Recommended Prerequisites	It is strongly recommended to have heard the modules of the first semester of the Data Science program.
Miscellaneous	Important: Due to the nature of this module, some planning is required before-hand (at the end of the previous semester's lectures and before the lectures start in this semester).