PROMIE - Master Information Engineering Research Project

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General information	
Module Code	PROMIE
Unique Identifier	InfEngResPro-01-MA-M
Module Leader(s)	Prof. Dr. Prochnow, Steffen (steffen.prochnow@haw-kiel.de)
Lecturer(s)	Prof. Dr. Ehlers, Jens (jens.ehlers@haw-kiel.de) Prof. Dr. Hennig, Patrick (patrick.hennig@haw-kiel.de) Dipl.-Inform. Kopka, Corina (corina.kopka@haw-kiel.de) Prof. Dr. Lüssem, Jens (jens.luessem@haw-kiel.de) Prof. Dr. Manzke, Robert (robert.manzke@haw-kiel.de) Prof. Dr. Prochnow, Steffen (steffen.prochnow@haw-kiel.de) Prof. Dr. Schneider, Stephan (stephan.schneider@haw-kiel.de) Prof. Dr. Schramm, Hauke (hauke.schramm@haw-kiel.de) Prof. Dr. Woelk, Felix (felix.woelk@haw-kiel.de)
Offered in Semester	Wintersemester 2023/24
Module duration	1 Semester
Occurrence frequency	Regular
Module occurrence	In der Regel jedes Semester
Language	Englisch
Recommended for international students	Yes
Can be attended with different study programme	No

Curricular relevance (according to examination regulations)
Study Subject: M.Sc. - MIE - Information Engineering (PO 2022, V3) Module type: Pflichtmodul Semester: 3

Qualification outcome
Areas of Competence: Knowledge and Understanding; Use, application and generation of knowledge; Communication and cooperation; Scientific self-understanding / professionalism.
Independent familiarisation of a new topic and/or deepening of existing knowledge through practical work. Application of theoretical knowledge to practical project.
Scientific working, practical realization of scientific theories, creation and execution of experiments, improving problem solving competences.
Improving communication skills, team work.
Application of research methodologies in project work. Derivation scientific outcome.

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

Content information	
Content	Compulsory research oriented project work, which may be carried out either within the University or an external company. If carried out within the University it is desireable to be executed within a team of 4 people. In both cases, the research topic needs to be agreed upon with University staff prior to starting the project work. A written 2-4 page proposal needs to be provided prior to commencement , comprising: - Title and abstract - Research hypothesis / possible outcome - Separation into research and development components - Preliminary table of content - 4 relevant literature references The master research project requires independent and self-contained work on R&D projects to deepen the knowledge obtained from lectures. New research hypothesis may be developed independently. The project work typically includes: • Creation of literature surveys and comparative studies • Creation and assessment of methods according to standard research methodologies • Execution of experiments and documentation • Creation, implementation and documentation of tools and applications (development on a scientific basis) • Publishing research results The actual topic has to be discussed on an individual basis with a faculty member prior to commencement.

Teaching formats of the courses	
Teaching format	**SWS**
Projekt	8

Workload	
Number of SWS	8 SWS
Credits	15,00 Credits
Contact hours	96 Hours
Self study	354 Hours

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