

## PROMIE - Master Information Engineering Research Project

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General information	
<b>Module Code</b>	PROMIE
<b>Unique Identifier</b>	InfEngResPro-01-MA-M
<b>Module Leader(s)</b>	Prof. Dr. Prochnow, Steffen (steffen.prochnow@haw-kiel.de)
<b>Lecturer(s)</b>	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. Lüsse, 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)
<b>Offered in Semester</b>	Wintersemester 2023/24
<b>Module duration</b>	1 Semester
<b>Occurrence frequency</b>	Regular
<b>Module occurrence</b>	In der Regel jedes Semester
<b>Language</b>	Englisch
<b>Recommended for international students</b>	Yes
<b>Can be attended with different study programme</b>	No

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

Qualification outcome
<i>Areas of Competence: Knowledge and Understanding; Use, application and generation of knowledge; Communication and cooperation; Scientific self-understanding / professionalism.</i>
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.

<b>Content information</b>	
<b>Content</b>	<p>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 desirable 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:</p> <ul style="list-style-type: none"> <li>- Title and abstract</li> <li>- Research hypothesis / possible outcome</li> <li>- Separation into research and development components</li> <li>- Preliminary table of content</li> <li>- 4 relevant literature references</li> </ul> <p>The master research project requires independent and self-contained work on R&amp;D projects to deepen the knowledge obtained from lectures. New research hypothesis may be developed independently.</p> <p>The project work typically includes:</p> <ul style="list-style-type: none"> <li>• Creation of literature surveys and comparative studies</li> <li>• Creation and assessment of methods according to standard research methodologies</li> <li>• Execution of experiments and documentation</li> <li>• Creation, implementation and documentation of tools and applications (development on a scientific basis)</li> <li>• Publishing research results</li> </ul> <p>The actual topic has to be discussed on an individual basis with a faculty member prior to commencement.</p>

<b>Teaching formats of the courses</b>	
<b>Teaching format</b>	<b>SWS</b>
Projekt	8

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

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