

## MRP1 - Master Research Project - 1

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| <b>General information</b>                            |   |
|---|---|
| <b>Module Code</b>                                    | MRP1  |
| <b>Unique Identifier</b>                              | ResProj1-01-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)<br>Prof. Dr. LüsseM, Jens (jens.luessem@haw-kiel.de)<br>Prof. Dr. Manzke, Robert (robert.manzke@haw-kiel.de)<br>Prof. Dr. Prochnow, Steffen (steffen.prochnow@haw-kiel.de)<br>Prof. Dr. Schramm, Hauke (hauke.schramm@haw-kiel.de)<br>Prof. Dr. Woelk, Felix (felix.woelk@haw-kiel.de) |
| <b>Offered in Semester</b>                            | Sommersemester 2024   |
| <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  |

| <b>Curricular relevance (according to examination regulations)</b>  |
|---|
| Study Subject: M.Sc. - MCS - Computer Science (PO 2023, V1)<br>Module type: Wahlmodul<br>Semester: 1, 2           |
| Study Subject: M.Sc. - MIE - Information Engineering (PO 2022, V3)<br>Module type: Wahlmodul<br>Semester: 1, 2, 3 |

| <b>Qualification outcome</b>   |
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| <i>Areas of Competence: Knowledge and Understanding; Use, application and generation of knowledge; Communication and cooperation; Scientific self-understanding / professionalism.</i> |
| Method competences:<br>Scientific working, practical realization of scientific theories, creation and execution of experiments, improving problem solving competences.                 |
| Social competences:<br>Instructing other students, improving communication skills.   |
| Professional competences:<br>Independent familiarisation in a new topic and/or deepening of existing knowledge through practical work.   |

| <b>Content information</b> |  |
|----------------------------|--|
| <b>Content</b>             | <p>Independent and self-contained work on sub-topics of R&amp;D projects, deepening knowledge obtained from lectures. New research hypothesis may be developed independently. By instructing other students knowledge and competences should be deepened and transferred to other students. The research assistantship may be carried out in parallel to lectures. It shall offer the opportunity to carry out team work or individual work and get acquainted with research areas and staff.</p> <p>Typical work topics would include:</p> <ul style="list-style-type: none"> <li>• Creation and assessment of methods</li> <li>• Execution of experiments and documentation</li> <li>• Creation, implementation and documentation of tools and applications</li> <li>• Mentoring other students</li> <li>• Creation of literature surveys</li> <li>• Assisting with lectures</li> <li>• Publishing and assisting with grant applications</li> <li>• Helping with start-up efforts</li> <li>• Setting up and maintaining open-source efforts</li> </ul> <p>The actual topic has to be discussed on an individual basis with a faculty member.</p> |
| <b>Literature</b>          | <ul style="list-style-type: none"> <li>• Literature depends on the specific project.</li> </ul>  |

| <b>Teaching formats of the courses</b> |            |
|--|------------|
| <b>Teaching format</b>                 | <b>SWS</b> |
| Projekt                                | 4          |

| <b>Workload</b>      |              |
|----------------------|--------------|
| <b>Number of SWS</b> | 4 SWS        |
| <b>Credits</b>       | 5,00 Credits |
| <b>Contact hours</b> | 48 Hours     |
| <b>Self study</b>    | 102 Hours    |

| <b>Module Examination</b>                                      |   |
|--|---|
| <b>Examination prerequisites according to exam regulations</b> | None  |
| <b>MRP1 - Projektbezogene Arbeiten</b>                         | <p>Method of Examination: Projektbezogene Arbeiten</p> <p>Weighting: 100%</p> <p>wird angerechnet gem. § 11 Absatz 2 PVO: No</p> <p>Graded: Yes</p> |