

## CSRP - Computer Science Research Project

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| <b>General information</b>                            |  |
|---|--|
| <b>Module Code</b>                                    | CSRP   |
| <b>Unique Identifier</b>                              | CompSciResPr-01-MA-M   |
| <b>Module Leader(s)</b>                               | Prof. Dr. Prochnow, Steffen (steffen.prochnow@haw-kiel.de)   |
| <b>Lecturer(s)</b>                                    | Prof. Dr. Aßmuth, Andreas (andreas.assmuth@haw-kiel.de)<br>Prof. Dr. Ehlers, Jens (jens.ehlers@haw-kiel.de)<br>Dipl.-Inform. Kopka, Corina (corina.kopka@haw-kiel.de)<br>Prof. Dr. Lüsse, Jens (jens.luessem@haw-kiel.de)<br>Prof. Dr. Manzke, Robert (robert.manzke@haw-kiel.de)<br>Prof. Prieß, Malte (malte.priess@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 2026  |
| <b>Module duration</b>                                | 1 Semester   |
| <b>Occurrence frequency</b>                           | Regular  |
| <b>Module occurrence</b>                              | In der Regel im Wintersemester   |
| <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: Pflichtmodul<br>Semester: 2 |

| <b>Qualification outcome</b>  |
|---|
| <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.<br>Application of theoretical knowledge to practical project.<br>Scientific working, practical realization of scientific theories, creation and execution of experiments, improving problem solving competences.<br>Improving communication skills, team work.<br>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.<br/>         If carried out within the University it is desirable to be executed within a team of 4 people.<br/>         In both cases, the research topic needs to be agreed upon with University staff prior to starting the project work.<br/>         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                                | 0          |

| <b>Workload</b>      |               |
|----------------------|---------------|
| <b>Number of SWS</b> | 0 SWS         |
| <b>Credits</b>       | 15,00 Credits |
| <b>Contact hours</b> | 0 Hours       |
| <b>Self study</b>    | 450 Hours     |

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