

Valid for 2022-23-24.HS

| <b>Module name: Research Plan</b>                             |  |
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| Module Code   | n.MA.RE.RePI.23HS  |
| Module Description  | Students develop their own research topic, perform a literature review, develop research questions / hypotheses, and choose a research design for their Master's thesis.   |
| Programme and Specialisation                                  | Master of Science in Real Estate & Facility Management (MSc REFM)  |
| Legal Framework   | Academic Regulations for the Master's Programme MSc REFM dated 01.08.2024, Appendix to the Academic Regulations for the Master's Programme, first adopted on 30.08.2011  |
| Module Category   | Module Type: Compulsory  |
| ECTS  | 5  |
| Organisational Unit   | N Institute for Facility Management (IFM)  |
| Module Coordinator  | Dr. Clara Weber (weec)   |
| Deputy Module Coordinator                                     | Prof. Dr. Thorsten Merkle (mekk)   |
| Prerequisite Knowledge  | Applied Research Methods, Real Estate Modelling and Forecasting  |
| Contribution to Programme Learning Goals (Affected by Module) | <ul style="list-style-type: none"> <li>■ Specialised expertise</li> <li>■ Methodological skills</li> <li>■ Interpersonal skills</li> <li>■ Self-competence</li> </ul>  |
| Contribution to Programme Learning Objectives                 | <p>Specialised expertise</p> <ul style="list-style-type: none"> <li>■ Understanding &amp; knowledge of theory &amp; practice-oriented content</li> <li>■ Application, analysis, and linking of theory &amp; practice-oriented content</li> <li>■ Evaluation of theory &amp; practice-oriented content</li> </ul> <p>Methodological competence</p> <ul style="list-style-type: none"> <li>■ Problem solving &amp; critical thinking</li> <li>■ Scientific methods</li> <li>■ Working methods, techniques &amp; procedures</li> <li>■ Information literacy</li> <li>■ Creativity &amp; innovation</li> </ul> <p>Social competence</p> <ul style="list-style-type: none"> <li>■ Written communication</li> <li>■ Oral communication</li> <li>■ Interculturalism &amp; empathy</li> </ul> <p>Self-competence</p> <ul style="list-style-type: none"> <li>■ Self-management &amp; self-reflection</li> <li>■ Ethical &amp; social responsibility</li> <li>■ Learning &amp; transformation</li> </ul> |
| Module Learning Objectives                                    | <p>Students</p> <ul style="list-style-type: none"> <li>■ can formulate a research topic for their Master's thesis, provide an adequate theoretical foundation for the research topic, develop suitable research questions and hypotheses, and choose a research design.</li> <li>■ can proactively plan the individual research stages for their Master's thesis.</li> <li>■ are generally able to apply quantitative methods to answer scientific questions using empirical data.</li> <li>■ are able to report on quantitative research findings in accordance with a prescribed writing style (APA).</li> </ul>   |
| Module Content  | <ul style="list-style-type: none"> <li>■ Determining an appropriate organisational framework for the Master's thesis.</li> <li>■ Support while devising a topic, determining the scope of the investigation, developing research questions, finding a methodological approach, and performing a literature review.</li> <li>■ Support in planning the individual stages of the research process under the guidance of the Master's thesis supervisors.</li> <li>■ Practical work: Students develop their own research topic, perform a literature review, develop a research question/hypothesis and choose a research design for their Master's thesis. A research plan is also drafted in preparation for the Master's thesis.</li> <li>■ Students specialising in "Economics &amp; Finance" and "Sustainability &amp; Digitalisation" must prepare their Research Plan in a field related to their area of study.</li> </ul>  |

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| Links to Other Modules  | The content of this module is linked to the following modules:<br>Master's Thesis   |                             |                              |
| Methods of Instruction  | <ul style="list-style-type: none"> <li>■ Problem-based learning</li> <li>■ Research-based learning</li> <li>■ Literature review</li> </ul>  | <b>Social Settings Used</b> |                              |
| Digital Resources   | <ul style="list-style-type: none"> <li>■ Reader / script</li> <li>■ Teaching videos</li> <li>■ Practice and Application Exercises (with answers)</li> <li>■ Livestream lectures (possibly)</li> </ul>   |                             |                              |
| Type of Instruction   | <b>Classroom Instruction</b>  | <b>Guided Self-Study</b>    | <b>Autonomous Self-Study</b> |
| Lecture   | -   | -                           |                              |
| Practical work  | 8 h   | -                           |                              |
| Project work  | -   | 8 h                         |                              |
| Seminar   | -   | -                           |                              |
| <b>Total</b>  | <b>8 h</b>  | <b>8 h</b>                  | <b>134 h</b>                 |
| Double teaching may occur. Double teaching is not included in the time planning.  |   |                             |                              |
| Performance Assessment<br>For the following performance assessments, resubmission, respectively repeat exam, is offered in accordance with § 12 and § 12a of the study regulations for the Master's degree programme in Real Estate & Facility Management at the Zurich University of Applied Sciences. |   |                             |                              |
| <b>End-of-module exam</b>   | <b>Form</b>   | <b>Length (min.)</b>        | <b>Weighting</b>             |
| -   | -   | -                           | -                            |
| <b>Permitted resources</b>  | -   | -                           |                              |
| <b>Others</b>   | <b>Assessment</b>   | <b>Length (min.)</b>        | <b>Weighting</b>             |
| Research plan   | Written individual work (predicate)   | -                           | 100.00%                      |
| Classroom Attendance Requirement  | Mandatory attendance: none but recommended.   |                             |                              |
| Language of Instruction/Examination   | English. The examination can be held in German or in English.   |                             |                              |
| Compulsory Reading  | <ul style="list-style-type: none"> <li>■ Berg, B., &amp; Lune, H. (2012). Qualitative research methods for social sciences. Pearson.</li> <li>■ Blaikie, N. (2010). Designing social research. The Logic of Anticipation. Polity.</li> <li>■ Döring, N., &amp; Bortz, J. (2016). Forschungsmethoden und Evaluation in den Sozial- und Humanwissenschaften. Springer.</li> <li>■ Field, A. (2009). Discovering Statistics Using SPSS (3rd. ed.). Sage.</li> <li>■ Kubinger, K. D., Rasch, D., &amp; Yanagida, T. (2011). Statistik in der Psychologie: vom Einführungskurs bis zur Dissertation. Hogrefe.</li> <li>■ Sekaran, U., &amp; R. Bougie (2009). Research methods for business. Wiley.</li> </ul> |                             |                              |
| Recommended Reading   | See the provided reading list   |                             |                              |
| Comments  | Adjustments to the module or to the assessments may occur at short notice.  |                             |                              |