

Valid for 2022-23-24.HS

| Module name: Research Plan | |
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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"> ■ Specialised expertise ■ Methodological skills ■ Interpersonal skills ■ Self-competence |
| Contribution to Programme Learning Objectives | <p>Specialised expertise</p> <ul style="list-style-type: none"> ■ Understanding & knowledge of theory & practice-oriented content ■ Application, analysis, and linking of theory & practice-oriented content ■ Evaluation of theory & practice-oriented content <p>Methodological competence</p> <ul style="list-style-type: none"> ■ Problem solving & critical thinking ■ Scientific methods ■ Working methods, techniques & procedures ■ Information literacy ■ Creativity & innovation <p>Social competence</p> <ul style="list-style-type: none"> ■ Written communication ■ Oral communication ■ Interculturalism & empathy <p>Self-competence</p> <ul style="list-style-type: none"> ■ Self-management & self-reflection ■ Ethical & social responsibility ■ Learning & transformation |
| Module Learning Objectives | <p>Students</p> <ul style="list-style-type: none"> ■ 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. ■ can proactively plan the individual research stages for their Master's thesis. ■ are generally able to apply quantitative methods to answer scientific questions using empirical data. ■ are able to report on quantitative research findings in accordance with a prescribed writing style (APA). |
| Module Content | <ul style="list-style-type: none"> ■ Determining an appropriate organisational framework for the Master's thesis. ■ Support while devising a topic, determining the scope of the investigation, developing research questions, finding a methodological approach, and performing a literature review. ■ Support in planning the individual stages of the research process under the guidance of the Master's thesis supervisors. ■ 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. ■ Students specialising in "Economics & Finance" and "Sustainability & Digitalisation" must prepare their Research Plan in a field related to their area of study. |

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| Links to Other Modules | The content of this module is linked to the following modules: Master's Thesis | | |
| Methods of Instruction | <ul style="list-style-type: none">■ Problem-based learning■ Research-based learning■ Literature review | Social Settings Used | |
| Digital Resources | <ul style="list-style-type: none">■ Reader / script■ Teaching videos■ Practice and Application Exercises (with answers)■ Livestream lectures (possibly) | | |
| Type of Instruction | Classroom Instruction | Guided Self-Study | Autonomous Self-Study |
| Lecture | - | - | |
| Practical work | 8 h | - | |
| Project work | - | 8 h | |
| Seminar | - | - | |
| Total | 8 h | 8 h | 134 h |
| Double teaching may occur. Double teaching is not included in the time planning. | | | |
| Performance Assessment 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. | | | |
| End-of-module exam | Form | Length (min.) | Weighting |
| - | - | - | - |
| Permitted resources | - | - | |
| Others | Assessment | Length (min.) | Weighting |
| 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">■ Berg, B., & Lune, H. (2012). Qualitative research methods for social sciences. Pearson.■ Blaikie, N. (2010). Designing social research. The Logic of Anticipation. Polity.■ Döring, N., & Bortz, J. (2016). Forschungsmethoden und Evaluation in den Sozial- und Humanwissenschaften. Springer.■ Field, A. (2009). Discovering Statistics Using SPSS (3rd. ed.). Sage.■ Kubinger, K. D., Rasch, D., & Yanagida, T. (2011). Statistik in der Psychologie: vom Einführungskurs bis zur Dissertation. Hogrefe.■ Sekaran, U., & R. Bougie (2009). Research methods for business. Wiley. | | |
| Recommended Reading | See the provided reading list | | |
| Comments | Adjustments to the module or to the assessments may occur at short notice. | | |