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| **Module code** | 1. | **Module description** | | | 2. | **Category** | 3. |
| MBI 1930  Stand: 06.10.2021 | | Practical Specialization | | | | Int. Master | |
| **Degree program** | 4. | Sustainable Engineering of Infrastructure | | | |
| **Faculty** | 5. | Civil Engineering and Conservation / Restoration | | | |

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| **Module supervisor** | 6. | Head of degree program |
| **Type of module** | 7. | P (obligatory) |
| **Frequency** | 8. | Annually |
| **Standard semester of study** | 9. | Throughout the 1st and 2nd semester and lecture-free periods with a colloquium at the beginning of the 3rd semester |
| **Credits (ECTS)** | 10. | 12 ETCS |
| **Assessment** | 11. | Project report and colloquium |
| **Language of instruction** | 12. | English |
| **Admission requirements** | 13. | - |
| **Module is a requirement for** | 14. | - |
| **Module duration** | 15. | 3 semesters |
| **Mandatory registration** | 16. | No |
| **Applicability of module** | 17. | Civil Engineering |

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| **Course**  18. | | **Lecturer**  19. | **Type**  20. | **No. of students (max.)**  21. | **No. of lessons per week**  22. | **Contact hours per week**  23. | **Workload** | |
| **Face-to-face**  24. | **Self-study**  25. |
| **1** | Practical Specialization | Supervisor | Colloquium | unlimited | 0.4 / participant | 6 | 30 | 330 |
| Total | | | | | | **6** | **75** | **330** |
| **Workload for the module** | | | | | | 26. | **360** | |

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| **Learning objectives** | 27. | During the module, students work independently on a practice-oriented engineering project within the Master's specialization Sustainable Engineering of Urban Infrastructure. After successful completion of the module, they will be able to independently develop a complex project topic, complete it on time, present written project results in a clearly structured, comprehensible and testable manner using specialist software, and give a presentation to a specialist committee. |
| **Course contents** | 28. | Vary according to the individual topics |
| **Preliminary exam requirements and assessment** | 29. | * Assessment: project report (throughout the course) and colloquium (in the 3rd semester) * Assessed using grades 1 – 5   Project report (70%) and colloquium (30%)   * Module grade is included in the overall grade in proportion to the number of credits earned |
| **Literature** | 30. | Dependent on the individual project topics |