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| **Faculty** | Electrical Engineering and Computer Science |
| Course Title | Toolbuilding – Analysis of the capacities in the urban sphere |
| Number of ECTS credits | 6 |
| Hours per week (SWS) | 2 lecture + 2 laboratory + 1 supplementary exercise |
| Semester | Bachelor / Summer semester |
| Course objective | Toolbuilding: Exploration, design and development of new ways of digital enhanced urban district analysis tools. |
| Prerequisites | Interest in interaction and participation. Urban development topics. Previous experience in media concept development, interaction design, development. |
| Recommended reading | See specific announcements |
| Teaching methods | Lecture, discussion, team work, lab work (practical exercises) |
| Assessment methods | Concept, design and project-oriented original development with accompanying active participation, written concepts and documentation and reflection of results. |
| Language of instruction | English |
| Name of lecturer | Martin Koplin |
| Email | [Martin.Koplin@lba.hs-bremen.de](mailto:Martin.Koplin@lba.hs-bremen.de) |
| Link | [https://aulis.hs-bremen.de/goto.php?target=grp\_1610800&client\_id=hsbremen](https://aulis.hs-bremen.de/goto.php?target=grp_1610800&client_id=hsbremen%20) |
| Course content | How can an urban district be experienced and analyzed in a new way using digital tools? How is participation in urban development created?  It is about tool building and the experimental design, exploration and development of new digital possibilities for an urban resources analysis for Digital Impact Labs on one side, and an is-analysis of real capacities for development of a district on the other.    To do this, approaches from media theory will be learned, reviewed, and used to develop ideas, methods, and tools for the urban sphere.  It is also about acquiring an understanding of the relation of concept and impact of digital tools in the context of analysis of real social urban space. The course cooperates with the M2C Institute (media2culture) Bremen, and the Digital Impact Labs Bremen. |