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| **Call for proposals**  **ENAC week (Ba4), spring semester 2020**  **Deadline: 30.06.2019**  The ENAC School is launching a call for proposals for [ENAC WEEKS](https://www.epfl.ch/schools/enac/education/design-together-en/enac-week/) (Ba4 - 4 ECTS) and [ENAC TEACHING UNITS](https://www.epfl.ch/schools/enac/education/design-together-en/enac-teaching-units/) (Ba6 - 4 ECTS). These interdisciplinary courses are offered to all students from the three ENAC sections as part of the [Design Together](https://www.epfl.ch/schools/enac/education/design-together-en/) program  **Design Together purpose & vision**  As the core element of the ENAC School, the interdisciplinary teaching program Design Together enables the next generation of engineers and architects to integrate disciplinary knowledge to tackle complex challenges in a changing world.  Working together in multidisciplinary project teams, students from environmental sciences & engineering, architecture, and civil engineering acquire the abilities to design innovative solutions for a more sustainable future and become aware of their social and ecological responsibilities.  **ENAC week description**  The [ENAC Week](https://www.epfl.ch/schools/enac/education/design-together-en/enac-week/) is a 4 ECTS mandatory course for all ENAC students in their 4th Bachelor semester. The insitu ENAC week will take place from **Monday April 27th to Friday May 1st 2020**. During the Spring semester on Tuesdays from 13.15 to 15.00, a couple of contact periods with the students, as well as an introduction to systems thinking precedes and follows the insitu week. Each ENAC Week has typically between 20 and 25 students.  During the ENAC week, students gain a first experience in interdisciplinary project work based on real-world problems. They get an opportunity to engage in complex challenges with multiple facets and contribute to solve problems according to their specific knowledge. The ENAC week focuses on practical hands-on experiences and stimulates students’ curiosity for learning and collaborating beyond their own disciplinary horizons.  To encourage ENAC weeks, the ENAC School provides **financial support up until CHF 12’000.- CHF.**  **Selection criteria for proposals**   * **Interdisciplinary teaching team:** teachers from at least two different disciplines design and conduct the course. * **Topic relevance**: the course topic is accessible and relevant to students from at least two sections of the ENAC School. * **Internal teachers**: the course involves internal teachers. The role of external experts is limited to speakers (vs. external teachers), unless justified. * **Continuity**: the course can be repeated at least three years (under the conditions of a good evaluation). |

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| 1. **Course title** (max. 50 characters including blanks) | | | |
| In English:  In French: | | | |
| **2. Summary** | | | |
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| **3. Content** | | | |
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| **4. Themes**  *Please select the domains which describe best the topic of course* | | | |
| **SPACE** (Where?) – *Which type of space mainly relates to the course topic?* | | | |
| **Urban area** | **Rural area** | **Mountain area** | **Beyond** |
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| **ACTIVITIES** (What?) – *Which field of human activities mainly relates to the course topic?* | | | |
| **Mobility** | **Housing** | **Construction** | **Communication** |
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| **RESOURCES** (What?) – *Which natural resource mainly relates to the course topic?* | | | |
| **Energy** | **Soil** | **Water** | **Materials** |
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| **TOOLS & METHODS** (How?) – *Which tools and methods are mainly used?* | | | |
| **Designing** | **Measuring\*** | **Fabricating** | **Visualizing\*\*** |
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|  | *\*incl. observing,*  *analyzing data, monitoring* | | *\*\*incl. representing* |

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| **5. Transversal and interdisciplinary learning outcomes**  *Please select at least one learning outcome per category of intelligence and describe a learning activity that will enable the students to reach the respective learning outcome* | | |
| **Practical intelligence** | |  |
|  | Share and explain disciplinary knowledge relevant for a specific topic |
|  | Communicate and collaborate within a multidisciplinary team |
|  | Deal with limited time resources |
| **Creative intelligence** | |  |
|  | Design suitable approaches |
|  | Discuss options for problem-solving |
|  | Describe and illustrate innovative solutions |
| **Analytical intelligence** | |  |
|  | Analyze the problem and break it down into smaller parts |
|  | Understand how the different parts are connected to each other |
|  | Identify which disciplinary knowledge contributes to which part of a problem |
| **Reflective intelligence** | |  |
|  | Recognize and appreciate disciplinary diversity within the group |
|  | Explore and acknowledge other disciplines and their contributions |
|  | Be able to change perspectives |

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| **6. Main teachers and course instructors** | | | | |
| name, first name | | status | lab acronym | Institute/section |
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| **7. Other course instructors**  If possible, provide the names of other people involved in the course | | | | |
|  | *name, first name, lab acronym, institute/section* | | | |
| Internal course instructors\* |  | | | |
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| Other internal speaker (punctual) |  | | | |
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|  | *name, first name, institution, company or other* | | | |
| External course instructors\* |  | | | |
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| Other external speaker (punctual) |  | | | |
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| *\* to be appointed the role of course instructor, one needs to teach a minimum of seven hours of teaching (lessons, exercises, practical work or laboratories) + contribute significantly to the course content.* | | | | |

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| **8. Operating budget**, incl. short description: |
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| **9. Other comments (e.g. special space or equipment needs)** |
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