Hyperloop is an alternative means of transportation. The transport selection must be formulated and justified. Capacity analysis and design an economic framework to compare with the alternatives. Examine the impact of environmental factors, noise pollution, congestion, safety hazards, economic regulation, nearness to supply of materials and labour. Design consideration - underground tubes, over the roads design.

**Project:**

Swissloop (https://swissloop.ch/), the idea of the so-called Hyperloop was unveiled by SpaceX founder Elon Musk back in 2013. It proposes a novel high-speed ground system allowing you to travel from Zürich to Berlin in 40 minutes. As neither SpaceX nor Tesla is developing a commercial Hyperloop themselves, they announced an open competition, gearing towards university students to design and construct the best Hyperloop pod. To support this competition SpaceX is constructing a one-mile test track, where the university teams are able to test their human scale pods. Our team is looking for students to conduct a feasibility analysis of the system under the Institute of Transport Planning and Systems (IVT) at ETH Zurich. Close coordination with the Swissloop Engineering team is expected.

**Brief description:**

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**Topic:** Economic considerations

**ECTS:** 24 credits

**Course of study:** D-BAUG, D-USYS, D-MTEC, Geography (University)