Here, there and everywhere – healthcare integrated in our everyday life and places

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Tracks courses aim to expand the students’ experience and competence in cross-disciplinary collaboration. In this course (TRA105 – master) within the theme Health and sports technology we welcome students from all programmes.

The course will address a number of the global Sustainable Development goals (SDG) as well as having a broad societal focus. Primary focus will be on SDG 3: Ensure healthy lives and promote well-being for all at all ages.

This course will address healthcare system challenges, presented and explained by actors central within the Swedish healthcare system. The questions addressed in the course are not possible to solve properly within a single field of knowledge, these challenges need a multidisciplinary approach. Therefore, the teachers and stakeholders in the course include a multitude of competences in a unique setting, headed by the Centre for Healthcare Improvement (CHI) with competence about healthcare organization and also involving Architecture and Civil Engineering as

Background

Healthcare systems all over the world are exposed to huge challenges – from the local level to global. There are higher expectations on healthcare provision from users and staff, together with technological opportunities combined with new needs. These factors push towards a shift from hospital-based units towards a situation where provision of health promotion and healthcare activities is needed in patients/inhabitants’ everyday places. The global Covid-19 virus pandemic raises the importance to think in innovative and resilient ways to deliver care and staying healthy during challenging times.
well as Biomedical Engineering/Digital Health expertise from the department of Electrical Engineering.

Challenges

Examples of challenges that the students will be able to study and propose solutions in this Track-course are:

- In the shadow of infections, pandemic times and the post antibiotic era – how can we maximize health for as many as possible while minimizing negative impact to business and economy?
- How can we design the virtual hospital, healthcare as the control tower, for effective and qualitative care?
- How can we make sure that effective healthcare is provided to everyone, taking into account the huge challenge with changing demographics and different generations having different needs?

Expected outcomes

The result of this course is expected to concern and encompass a number of organizational, spatial and technologically oriented solutions and innovations.

Participating in this course can serve as source of inspiration for future job opportunities for students, but also contribute to new aspects on the provision of healthcare. This course offers you the possibility to learn how your competence from your education could contribute together with others in tackling crucial societal challenges.

Interested?

Apply to the course by June 2, sending an e-mail including a motivation letter to: erik.eriksson@chalmers.se, johanna.eriksson@chalmers.se and stefan.candefjord@chalmers.se Please attach your CV and course transcripts. We will let you know if you are accepted to the course no later than June 15.

We aim at 30 students (minimum 5) in balanced project groups with a mix of competences and backgrounds. We will divide the students in groups, according to these factors. If the interest is high, there will be a selection of students based on their competence, interests and motivation. Interviews may be called upon.