

This learning line was offered for the last time in 2023-2024. In 2024-2025 an opportunity for re-examination and/or alternative courses/projects is offered. Re-examination is only available for students that failed the course in the year before. From 2025-2026 onwards this learning line is completely phased out.

Quality of Life	
Offered by	Department of Industrial Engineering and Innovation Sciences
Language	English
Primarily interesting for	All students
Prerequisites	Required courses: - Recommended courses: -
Contact person	Dr. Frank, Lily (L.E.Frank@tue.nl)

## Content and composition

For BMT students the sequence 'Digital Twins in Healthcare' is offered

The sequence 'Digital Twins in Healthcare' will be offered for the last time in 2024-2025. In 2025-2026 an opportunity for re-examination and/or alternative course projects is offered.

Course code	Course name	Level classification	2023 – 2024	2024-2025	2025-2026 and onwards
OSEUAO	Learning sequence quality of life		Regular education	Two re-exam possibilities	Phased out
OSSUHO	Happiness, health and values		Regular education	Two re-exam possibilities	Phased out
OSAUAO	Learning line quality of life: projects		Regular education	Last opportunity for the project Contact course coordinator (L. Frank)	Phased out

## Course description

This interdisciplinary USE sequence investigates notions of happiness, health, and wellbeing with a focus on the promises and peril of technologies designed to improve quality of life (QoL) now and in the future. Taking the notion QoL as a starting point which connects technology and society, the course sequence is an examination of the invention, dissemination, use, and regulation of technologies transform our societies, identities, and our visions of what constitutes a good life, in foreseen and unforeseen ways.

Wellbeing, happiness, and health are often seen as personal and private issues, conceptions of which are culturally and individually diverse. Engineers have to take this into account when offering technological solutions for improving human lives. Individual perceptions of new technologies often determines their acceptance, rejection or alteration. In this USE sequence, students will come to realize that 'improving quality of life' is easier said than done. This is because first, transformations in more than one societal domain and activities of various organizations and individuals are necessary for such improvement. And second, because what counts as a QoL improvement itself is contested. To this end, students will come to recognize how past experiences can accelerate or slacken change.



## USE - Quality of Life

Not only will students gain awareness of these processes, they will also be able to analyze them from the perspective of human values and stakeholder interests, and integrate this knowledge in developing future products, innovations, and proposals.

*Please note that this brochure only contains descriptions and transition information about the learning line. In the course catalogue you find information about scheduling and type of education and examination.*