

# **SYSTEMS DESIGN ENGINEERING**

## **Motivation Through User-Centered Design**

**SYDE 740 – *Topic 10 (Reading Course)***

**Spring**

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This course focuses on aspects of product and system design that influence the user's motivation to use/engage with technology. The role that emotion, psychosocial factors, and psychophysical factors (e.g. biosignals used to capture subtle changes in arousal) play in the design of technology will be explored from both a historical and modern day perspective. Emphasis will be on the scholarly research approaches, methods, and measures that can be used to better understand how to improve the design of engineered systems by accounting for psychological aspects of the user.

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