

SYSTEMS DESIGN ENGINEERING

(Selected Topics in Human Systems): Collaborative Systems Design

SYDE 740 – *Topic 9*

Fall

Interaction of humans with complex systems often takes place within the broader context of a collaborative setting. Thus, there is an increasing trend for the design of these systems to incorporate and support group interactions. Emphasis will be on studying collaboration from an interdisciplinary perspective and deriving system design criteria. Topics will include group theories, collaboration requirements (including communication, coordination, team awareness), quantitative and qualitative research methods (including laboratory studies, surveys, ethnographic research methods), data analysis, and collaboration technologies.

INSTRUCTOR: S. Scott
E-MAIL: s9scott@uwaterloo.ca