

SYSTEMS DESIGN ENGINEERING

Design and Analysis of Surface Computing Systems (Surface Computing Systems)

SYDE 740 – Topic 14

Spring

This course will examine the design of surface computing systems, such as interactive walls and digital tabletops, as well as analyze how their physical and digital design impacts individual and collaborative process and performance. The course will survey a broad range of literature across several, multi-disciplinary fields including psychology, sociology, small group research, architecture and industrial design, computer science and engineering, and human factors and human computer interaction. These areas will be surveyed to help students understand the broad range of design considerations and impacts that come into play when designing such large-scale interactive surfaces.

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This is a reading course open to SYDE students only (3)