INFORMATION TECHNOLOGY AND ORGANIZATIONAL CHANGE

MIT doctoral course, March 2008

Professor Bo Carlsson, Bo.Carlsson@case.edu Case Western Reserve University, Ohio, USA

Ekonomikum, Kyrkogårds gatan 10C, Uppsala www.fek uu se Room: K312
Webmap: http://www uu se/map/map phtml?map=3

Content:
This course is designed to explore the interaction between information technology and organizational change, primarily at the firm or organizational level. Empirical examples are drawn from the health care sector.

This course builds on previous MIT courses (The Digital Economy, October 2006; The Digital Economy and Business Organization: A Micro Perspective, January-February 2007; and The Digital Economy and Industrial Transformation, October 2007), but participation in these prior courses is not required. However, familiarity with the content of earlier courses will be helpful.

Format:
This is a seminar course; there will be no lectures. Class sessions will be devoted to presentations and discussions of the readings, led by students. Students are expected to sign up for at least one article each on the reading list.

Course Requirement:
Attendance and active participation in each session is required, as well as presentation and discussion of at least one article. Brief summaries of the readings are also required (1 poäng). An 8-10 page paper on a topic based on the readings is required for 3 poäng. For 5 poäng, an article on a related topic, suitable for publication in an academic journal, is required.

Session 1 March 11, at 10-15, K312

Readings:


### Session 2 March 12, at 10-15, K312

**Readings:**


Paul M. Leonardi, “Activating the Informational Capabilities of Information Technology for Organizational Change,” *Organization Science* 18(5), September-October 2007, 813-831


### Session 3 March 14, at 13-17, K312

**Readings:**

Mark Dodgson, David M. Gann, Ammon Salter, “‘In Case of Fire, Please Use the Elevator’: Simulation, Technology and Organization in Fire Engineering,” *Organization Science* 18(5), September-October 2007, 849-864

Arvin Sahaym, H. Kevin Steensma, Melissa A. Schilling, ”The Influence of Information Technology on the Use of Loosely Coupled Organizational Forms: An Industry-Level Analysis,” *Organization Science* 18(5), September-October 2007, 865-880

Wullianallur Raghupathi and Joseph Tan, “Strategic IT Applications in Health Care,” *Communications of the ACM*, 45(2), December 2002, 56-61

Session 4 March 17, at 10-16, K312

Readings:


<table>
<thead>
<tr>
<th>1. Pontus Fryk</th>
<th>Företagsekonomiska inst., Uppsala universitet</th>
<th><a href="mailto:pontus.fryk@fek.uu.se">pontus.fryk@fek.uu.se</a></th>
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</thead>
<tbody>
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<td>3. Marius Mihailescu</td>
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<td>4. Elisabeth Frisk</td>
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