

UNIVERSITETET I OSLO

The Faculty of Mathematics and Natural Sciences

Home exam in IN5210/IN9210 fall 2025

Exam in: IN5210/IN9210 Information Systems

Your answer should be between 2000 and 4000 words (reference list and AI declaration not counted). Submit your answer using Inspira (<https://www.uio.no/english/studies/examinations/submissions/>).

The submission deadline is November 25th at 23:59 (midnight).

The exam consists of four assignments, each weighing equally in our assessment. Please respond to the assignments separately and in the order we give them.

Make sure you use your own words as much as possible when explaining and discussing.

Use the literature from the syllabus in the assignments and follow good reference practice ([UiO guidelines](#)).

If you use AI, declare how you use it using the [declaration template](#).

The basis of the exam is the research articles:

Arvidsson, V., Holmström, J., & Lyytinen, K. (2026). Digital transformation by outflanking: How peripheral agents transform resisting organizations. *Journal of Strategic Information Systems*, 35(1), 101924.

Nielsen, P., & Aanestad, M. (2006). Control devolution as information infrastructure design strategy: A case study of a content service platform for mobile phones in Norway. *Journal of Information Technology*, 21(3), 185-194.

This exam document is on one page.

Assignment 1

Explain the central argument(s) and concept(s) in the article by Arvidsson et. al (2026). As a part of the explanation, describe how the authors are using the concept(s).

Assignment 2

From a sociotechnical perspective, describe the digital transformation process presented by Arvidsson et al. (2026). Use the syllabus (three to five references) to support the description.

Assignment 3

Compare (similarities and differences) Arvidsson et. al's (2026) understanding of digital transformation with another article in the syllabus. Describe briefly why you find the other article relevant to compare.

Assignment 4

Nielsen and Aanestad (2006, in particular pp. 188 – 193) write about the development of the CPA platform. Describe if and how the development of the CPA platform can be an example of outflanking (Arvidsson et. al, 2026).