

Exam assignment TIK4021 – Spring 2022

The assignment has two parts.

- In part 1, please answer one of the questions in group A, B and C. Each answer should have a length of 300-400 words. Use the course literature and, if needed, examples.
- Part 2 should be around 4000 words.
- Total word length for the entire exam: 5000 words (+/- 20%), everything included (front page, list of references, etc.).
- Language: ESST students must write their paper in English, while TIK students may choose between English and Norwegian.

Part 1 – Short answers / Answer one of the questions in group A, B and C (i.e. a total of three answers):

This part of the assignment weighs approximately 30% of the grading.

A1: How has the thinking about innovation policy evolved since the Second World War ended?

A2: What characterizes mission-oriented innovation policy?

B1: What is meant by the notion of responsible research and innovation?

B2: Discuss some important ways through which university research gets used in society

C1: Explain the concept of a socio-technical regime in studies of sustainability transitions

C2: Explain what is meant by the notion of path dependence and lock-in

Part 2 – Long answer:

Take as a starting point your innovative solution for Norgesgruppen/Sylinder or Atea/Kahoot and use relevant course literature to conceptualise and discuss the case. (a) Present the solution and how it may change or supplement existing solutions and services. Discuss (b) what type of innovation this is, and (c) whether and how it can cause change to established technologies, business models, value chains and practices. Finally, (d) reflect on potential drivers and barriers for implementing this innovation. If appropriate feel free to link the discussion about management and organisational issues to more overarching systemic and societal transformations associated with digitalisation and environmental sustainability.

This part of the assignment weighs approximately 70% of the grading.



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