



Faculty of Health, Science and Technology  
Computer Science

## Course Reading

### Foundations of AI and Optimisation Methods

Valid from 08/28/2023

**Course Code:** DVAE23

**Course Title:** Foundations of AI and Optimisation  
Methods

**Credits:** 7.5

**Degree Level:** Master's level

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#### Books

Christopher M. Bishop och Nasser M. Nasrabadi (2006). *Pattern recognition and machine learning* (Vol. 4, no. 4). New York: Springer

Ian Goodfellow, Yoshua Bengio och Aaron Courville (2016). *Deep learning*. MIT press

Stephen P. Boyd och Lieven Vandenberghe (2004). *Convex optimization*. Cambridge university press

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Approved by the Faculty Board of Health, Science and Technology 01/30/2023