

Imperial College  
London

## ACSE Module-8 “Machine Learning”

Olivier Dubrule and Lukas Mosser

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### People Involved

- *Teaching in Alternance:*
  - Olivier Dubrule and Lukas Mosser
- *Assisted by:*
  - Simon Franchini, Navjot Kukreja, and Rodolfo Oliveira

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## Module 8 – April 29<sup>th</sup> to May 17h

Room 338 except indicated below

- Monday 29 and Tuesday 30 April:  
Introduction to Machine Learning and Logistic Regression
- **Wednesday 1 Morning** and Thursday 2 May:  
Feed-Forward Neural Networks (Room G38 on May 2)
- Friday 3 and Tuesday 7 May:  
Regularization, Bias and Variance (Room G38 on May 3)
- Thursday 9 and Friday 10 May:  
Convolutional Neural Networks

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## Module 8 – April 29<sup>th</sup> to May 17h

Room 338 except indicated below

- Monday 13 and **Tuesday 14 May**:  
Probabilities for Deep Learning
- Thursday 16 and Friday 17 May:  
Generative Models
- Monday 20 May to Friday 24 May:  
ACSE-4 Mini-Project on Deep Learning (Rooms 151, 3.03 and 338)
- Friday 31 May 10 am to 12 am: Module 8 Exam

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## Location of pdf Files of O.Dubrule slides

<https://imperialcollegelondon.app.box.com/folder/55489295864>

or

All Files > ESE CompSci > ☆ CourseMaterials-201819

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## Module 8 – Assessment

- One Coursework per week, for a total of three Courseworks (60%).
- One two-hour exam on May 31st at 10am (40%).