Machine Learning and the Physical World

Projects

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The course

Week 1 Introduction: ML and the Physical World

Week 1 Quantification of Beliefs

Week 2 Gaussian processes

Week 2 Simulation

Week 3 Emulation

The course

Week 3 Sequential Decision Making Under Uncertainty: Bayesian Optimisation

Week 4 Probabilistic Numerics

Week 4 Emukit and Experimental Design

Week 5 Sensitivity Analysis

Week 5 Multifidelity Modelling

Tools

Question

Two Weeks

Week 6	**Thursday**	Introduction to projects
	Tuesday	Amazon MiniScot (video)
Week 7	**Thursday**	Multifidelity Ice Sheets
	Tuesday	Multiverse of Neural Networkls
Week 8	**Tuesday**	Henry Moss BO in the wild
	Thursday	Wrap up of the course and outlook

Practical

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- Concluded with a report
- Assessed with a viva on the report and how it relates to the material in the course
- The viva will also be where you get feedback, and can give feedback[1]

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- In the project you should show what you have learnt

Group Allocations

Sign Up Form

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