

MSE-800

Spintronics and magnetism on 2D materials

Kis Andras

Cursus	Sem.	Type
Materials Science and Engineering		Obl.

Language of teaching	English
Credits	2
Session	
Exam	Written
Workload	60h
Hours	29
Courses	26
TP	3
Number of positions	50

Frequency

Only this year

RemarkFrom 23.08 to 27.08 Registration via <https://2dspintronics2021.epfl.ch/>**Summary**

The lectures of summer school will cover spin-related electronic, optical and magnetic properties in various twodimensional (2D) materials with their underlying physics, relevant experimental characterization techniques and the applications of building novel 2D spintronic devices.

Content**Keywords**

2D materials, optics, electronics, optoelectronics, spintronics, valleytronics, spin, valley, magnetism, magnetic material

Assessment methods

Written

Resources**Websites**

- <https://2dspintronics2021.epfl.ch/>