



# Faculté des sciences appliquées

**FSA****MAPR2642** Methods of characterisation of the microstructure of materials

[15h+15h exercises] 3 credits

This course is taught in the 1st semester

**Teacher(s):** Francis Delannay, Pascal Jacques  
**Language:** french  
**Level:** 2nd cycle course

**Aims**

Study of different methods for the characterisation of the microstructure of materials, and, more precisely, of the methods based on electron microscopy.

**Main themes**

Quantitative microscopy, treatment and analysis of images, physical and electronical optics, scanning electron microscopy, electron beam microanalysis, transmission electron microscopy, analytical microscopy.

**Other credits in programs**

<b>MATR22</b>	Deuxième année du programme conduisant au grade d'ingénieur civil en science des matériaux	(3 credits)
<b>MATR23</b>	Troisième année du programme conduisant au grade d'ingénieur civil en science des matériaux	(3 credits)