

## MENA 4010 Module 9 – XPS – autumn 2015

Time and Place: Weeks 43-45 Chemistry department

23/10 – 10.15-12.00 Lecture 1: Introduction to XPS/general principles/spectrum interpretation

26/10 – 10.15-12.00 Lecture 2: Instrumentation and planning experiments

27/10 – 10.15-12.00 Work shop: Planning experimental work – prepare for laboratory sessions

28/10 and/or 29/10 Laboratory demonstration in Mina building

2/11 and/or 3/11 Data processing using CasaXPS

Date	Day	Time	Room	Building	Lecture	Teacher
23/10	Friday	10.15-12.00	Curie	Chemistry	Introduction to XPS	Spyros
26/10	Monday	10.15-12.00	Avogadro	Chemistry	Instrumentation and experiment planning	Sissel
27/10	Tuesday	10.15-12.00	Curie	Chemistry	*Workshop:Planning laboratory work	Sissel/ Spyros
28/10	Wednesday	10.00-12.00 12.00-14.00	XPS laboratory	MINA building	**Lab groups alternative 1	Spyros
29/10	Thursday	10.00-12.00 12.00-14.00	XPS laboratory	MINA building	**Lab groups alternative 1	Spyros
2/11	Monday	9.15-11.00	Ø 186	Chemistry	Offline data processing alt. 1	Sissel
3/11	Tuesday	12.15-14.00	Ø 186	Chemistry		Sissel
16/11		24.00			Deadline written report	Sissel/ Spyros

\*) We will prepare for the laboratory sessions. As part of the laboratory work you are expected to read a XPS paper (will be posted in Fronter) and based on the paper and the lecture on 29/10 you will work in groups and make a plan for the experimental work.

\*\*) Details at first lecture - Most likely we have to divide you into two or more groups.