

LOGO DELLA STRUTTURA PRIMARIA

COURSE: Computer skill			
ACADEMIC YEAR: 2018/2019			
TYPE OF EDUCATIONAL ACTIVITY: Advanced			
TEACHER: SUMMA DONATO			
e-mail: donato.summa@unibas.it		website:	
phone: +393478778445		mobile (optional):	
Language: Italian			
ECTS: 2	n. of hours: (lessons e tutorials/practice) 16	Campus: Potenza	Semester: I

EDUCATIONAL GOALS AND EXPECTED LEARNING OUTCOMES

- Provide knowledge and skills on the manipulation of scientific data.

PRE-REQUIREMENTS

- Basic knowledge of the most common programming languages

SYLLABUS

- Programming with file management, spreadsheets (Origin, Excel) by using spline interpolation, least squares method. Smoothing techniques Filtering data: subtracting average background shifted, Data Integration and sample calculation of thermodynamic parameters. Convolution products (Savitzky-Golay).

TEACHING METHODS

Theoretical lessons, Classroom tutorials, Laboratory tutorials.

EVALUATION METHODS

Written examination

TEXTBOOKS AND ON-LINE EDUCATIONAL MATERIAL

Slides

INTERACTION WITH STUDENTS

EXAMINATION SESSIONS (FORECAST)¹

06/02/2018, 27/02/2019, 19/06/2019, 24/07/2019, 18/09/2019, 27/11/2019

SEMINARS BY EXTERNAL EXPERTS YES NO

FURTHER INFORMATION

¹Subject to possible changes: check the web site of the Teacher or the Department/School for updates.