

COURSE: Computer skill			
ACADEMIC YEAR: 2017/2018			
TYPE OF EDUCATIONAL ACTIVITY: Advanced			
TEACHER: SUMMA DONATO			
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phone: +393478778445		mobile (optional):	
Language: Italian			
ECTS: 2	n. of hours: (lessons e tutorials/practice) 14	Campus: Potenza	Semester: I
<b>EDUCATIONAL GOALS AND EXPECTED LEARNING OUTCOMES</b>			
<ul style="list-style-type: none"> <li>- Provide knowledge and skills on the manipulation of scientific data.</li> </ul>			
<b>PRE-REQUIREMENTS</b>			
<ul style="list-style-type: none"> <li>- Basic knowledge of the most common programming languages</li> </ul>			
<b>SYLLABUS</b>			
<ul style="list-style-type: none"> <li>- 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).</li> </ul>			
<b>TEACHING METHODS</b>			
Theoretical lessons, Classroom tutorials, Laboratory tutorials.			
<b>EVALUATION METHODS</b>			
Written examination			
<b>TEXTBOOKS AND ON-LINE EDUCATIONAL MATERIAL</b>			
Slides			
<b>INTERACTION WITH STUDENTS</b>			
<b>EXAMINATION SESSIONS (FORECAST)<sup>1</sup></b>			
<a href="#">05/02/2018</a> , <a href="#">26/02/2018</a> , <a href="#">18/06/2018</a> , <a href="#">23/07/2018</a> , <a href="#">17/09/2018</a> , <a href="#">26/11/2018</a>			
<b>SEMINARS BY EXTERNAL EXPERTS</b> YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>			
<b>FURTHER INFORMATION</b>			

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