

General information	
Academic subject	<b>Computer science</b>
Degree course	/
Academic Year	/
European Credit Transfer and Accumulation System (ECTS)	4
Language	ITALIAN
Academic calendar (starting and ending date)	/
Attendance	NO

Professor/ Lecturer	
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Telephone	
Department and address	
Virtual headquarters	
Tutoring (time and day)	

Syllabus	
<b>Learning Objectives</b>	<i>Provide the methodological and applicative knowledge in the fundamental areas of information technology for the efficient use of digital systems, and the skills for the correct use of the most widespread application software.</i>
<b>Course prerequisites</b>	<i>none</i>
<b>Contents</b>	<i>Introduction to information technologies Structure of the electronic computer: Hardware and Software. General scheme of a data processing system. Typology of electronic processors. The memories of the electronic computer. The processor. Multiprocessor architectures. Input / Output. Operating systems: characteristics of operating systems. Multitasking operating systems. The Windows operating system. The graphic interface. Computer networks. Communication between computers. Protocols and interfaces. Local networks. The types of networks. Network technologies. The geographic networks. Internet. Internet services. Word Processing / Spreadsheets / Databases</i>
<b>Books and bibliography</b>	<i>Informatica Aziendale edizione 2017. Michele Scalera. Rilasciato con Licenza Creative Commons Attribuzione 3.0 Italia.</i>
<b>Additional materials</b>	<i>Teacher's handouts - materials available online</i>

Work schedule			
Total	Lectures	Hands on (Laboratory, working groups, seminars, field trips)	Out-of-class study hours/ Self-study hours
<b>Hours</b>			
98	27	15	56
<b>ECTS</b>			
4			
<b>Teaching strategy</b>	<i>Lectures and / or online teaching</i>		

<b>Expected learning outcomes</b>	
<b>Knowledge and understanding on:</b>	<ul style="list-style-type: none"> <li>Acquisition of the skills necessary for the autonomous use of computer systems of common use and software resources made available and use of skills related to the development of Computational Thinking.</li> </ul>
<b>Applying knowledge and understanding on:</b>	<ul style="list-style-type: none"> <li>Acquisition of the methodology necessary for learning and mastering the discipline.</li> </ul>
<b>Soft skills</b>	<ul style="list-style-type: none"> <li><i>Autonomy of judgment</i> <ul style="list-style-type: none"> <li><i>Development of self-employment and group work skills.</i></li> </ul> </li> <li><i>Communication skills</i> <ul style="list-style-type: none"> <li><i>Development of critical study and argumentation skills to share, compare and question one's own ideas and those of others.</i></li> </ul> </li> <li><i>Learning ability</i> <ul style="list-style-type: none"> <li><i>Develop the ability to independently learn further insights on topics related to ICT resources.</i></li> </ul> </li> </ul>

<b>Assessment and feedback</b>	
Methods of assessment	<i>Written exam on the theoretical part of the teaching program practical test in the computer laboratory on the management of the applications envisaged by the program</i>
Evaluation criteria	<ul style="list-style-type: none"> <li>Knowledge and understanding: <ul style="list-style-type: none"> <li>ability to organize the contents of the program</li> </ul> </li> <li>Applied knowledge and understanding: <ul style="list-style-type: none"> <li>critical reasoning on the study carried out</li> </ul> </li> <li>Autonomy of judgment: <ul style="list-style-type: none"> <li>Competence in the use of applications</li> </ul> </li> <li>Communication skills: <ul style="list-style-type: none"> <li>Effective presentation of the arguments</li> </ul> </li> <li>Ability to learn: <ul style="list-style-type: none"> <li>Use of specific concepts</li> </ul> </li> </ul>
Criteria for assessment and attribution of the final mark	<i>The final evaluation is expressed with an ELIGIBLE / NOT ELIGIBLE judgment</i>
<b>Additional information</b>	

Bari, 12/09/2021

Firma



(Prof.ssa Antonella Serra)