



Principali informazioni sull'insegnamento

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| Denominazione dell'insegnamento | Advanced Scientific English for Computer Science | |
| Corso di studio | MD in Computer Science | |
| Anno Accademico | 2022/23 | |
| Crediti formativi universitari (CFU) / European Credit Transfer and Accumulation System (ECTS) | 3 CFU | |
| Settore Scientifico Disciplinare | L-LIN/12 | |
| Lingua di erogazione | English | |
| Anno di corso | Second | |
| Periodo di erogazione | 2° semester, dates are reported in the Didactic Regulations available on the course website | |
| Obbligo di frequenza | Attendance is not compulsory but recommended | |
| Sito web del corso di studio | https://www.uniba.it/it/ricerca/dipartimenti/informatica/didattica/corsi-di-laurea/informatica-tps-270/laurea-triennale-in-informatica-e-tecnologie-per-la-produzione-del-software-d.m.-270 | |

| Docente/i | |
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| Sede | Computer Science Department, Via Orabona 4, 70125, Bari. Room n.662, 6 [^] piano. |
| Sede virtuale | Piattaforma ADA - https://elearning.di.uniba.it/ |
| Ricevimento (giorni, orari e modalità, es. su appuntamento) | By appointment by email or after the lessons |



| Syllabus | | | |
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| Obiettivi formativi | <p>The course aims at playing a major role in academic scientific practice; in order to reach a more advanced level of English Language in Computer Science, students are taught how to cope with essential scientific skills, such as describing devices and processes, analyzing data in visual form (graphs), comparing and contrasting experimental results, how to write a user manual with order and present the work to an audience (scientific oral presentation),</p> <p>In the age of global-scale communication, students need to be prepared to express their views in a way that promotes the interest of society: communication becomes fundamental: students need to use the best communicative means in order to promote the most advanced scientific practices.</p> | | |
| Prerequisiti | Basic knowledge of the English Language | | |
| Contenuti di insegnamento (Programma) | <ul style="list-style-type: none"> ● Linguistic, syntactic and lexical structure mining; consolidation of the Computer Science domain-specific terminology (collocations) ● Discussion on scientific processes and experiments ● Describing Computer Science devices and their components ● The language of mathematics in Computer Science ● Graph description ● Written skills: improving clear technical and scientific writing when giving instructions; writing of a short user guide intended to assist users on the manipulation of a particular product, device, software or hardware ● Oral skills: scientific oral presentation: presenting at a conference (structure, tips and how to generate discussions) | | |
| Testi di riferimento | <p>a) T. Armer, <u>Cambridge English for Scientists</u>, Cambridge Univ. Press, 2011</p> <p>b) N. Rizopoulou, <u>Academic English for Computer Science</u>, Disigma Pub., 2019</p> | | |
| Note ai testi di riferimento | All the necessary learning material is composed of photocopies and slides and is accessible on Teams or on the Ada platform | | |
| Organizzazione della didattica | | | |
| Ore | | | |
| Totali | Didattica frontale | Pratica (laboratorio, progetto, esercitazione, altro) | Studio individuale |
| 75 hours | 24 hours | 15 hours | 36 hours |



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| CFU/ETCS | | | |
| 3 CFU | | | |

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| Metodi didattici | |
| | <i>Lezioni frontali</i> <i>Esercitazioni in aula</i> <i>Possibili lavori di gruppo</i> Lectures; individual work and team work |

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| Risultati di apprendimento previsti | |
| Conoscenza e capacità di comprensione | <ul style="list-style-type: none">• Ability to use the right lexis and vocabulary (such as scientific or technical verbs) related to the field of Computer Science• Ability to describe simple devices in a structured way• Capacity to describe graphs (line graph, pie graph, bar graph, scatter plot)• Capacity to write a user manual Presentation / conferencing delivery techniques; participation in meetings, dealing with questions |
| Conoscenza e capacità di comprensione applicate | <ul style="list-style-type: none">• Ability to apply the acquired knowledge to the required assignments• Ability to group data in graphs• How to create a user manual: type pf information necessary to include in a user guide |
| Competenze trasversali | Making informed judgments and choices <ul style="list-style-type: none">• Capacity to extract and interpret data• Capacity to develop scientific and reasoning thinking• Capacity to interact giving opinion and making your point Communicating knowledge and understanding <ul style="list-style-type: none">• Problem-solving• Decision-making• Teamwork Capacities to continue learning <ul style="list-style-type: none">• Organizational skills and capacity to reflect the learning experience on future performance |



| Valutazione | |
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| Modalità di verifica dell'apprendimento | <p>Student writing is evaluated by sending the written material (user manual) at least one week before the oral exam. The device presented in the user manual must necessarily be invented by the student and approved by the teacher.</p> <p>The oral exam is divided into 3 parts:</p> <ol style="list-style-type: none">1. The oral presentation of the user guide with the help of a PowerPoint (unless already given in class)2. The description of a device and its process (operating procedure) chosen by the teacher (and according to the course requirements)3. The description of a graph chosen by the teacher |
| Criteri di valutazione | <ul style="list-style-type: none">● <i>Knowledge and understanding:</i><ul style="list-style-type: none">○ Capacity to organize an oral presentation● <i>Applying knowledge and understanding:</i><ul style="list-style-type: none">○ Capacity to understand user needs in order to build a good service<ul style="list-style-type: none">○ Duration of discourse-time● <i>Autonomy of judgment:</i><ul style="list-style-type: none">○ Capacity to critical reasoning (objective and analytical)○ Contextual inquiries, focus groups, surveys in order to understand user expectations● <i>Communication knowledge and understanding:</i><ul style="list-style-type: none">○ Quality of oral presentations○ Understanding the user's demands and provide solutions● <i>Communication skills:</i><ul style="list-style-type: none">○ Discourse patterns● <i>Capacities to continue learning:</i><ul style="list-style-type: none">○ E-Learning, video-watching |
| Criteri di misurazione dell'apprendimento e di attribuzione del voto finale | <p>For the students attending class, there will be a global grade during the course leading to a final score which will be used for the exam. The non-attending students necessarily need to take the whole exam. The final grade is a binary grading system (pass/fail)</p> |
| Altro | <p>Si suggerisce agli studenti di affidarsi esclusivamente alle informazioni/comunicazioni fornite sui siti ufficiali del Dipartimento di Informatica, ovvero sui gruppi social solo se costituiti e amministrati esclusivamente dai docenti dei relativi insegnamenti:</p> <ul style="list-style-type: none">● https://www.uniba.it/it/ricerca/dipartimenti/informatica/didattica/corsi-di-laurea/corsi-di-laurea● https://www.uniba.it/it/ricerca/dipartimenti/informatica● https://elearning.di.uniba.it/ <p>I programmi degli insegnamenti sono disponibili qui:</p> <ul style="list-style-type: none">● https://programmi.di.uniba.it/ |



Le informazioni che tutti gli studenti dovrebbero conoscere sono scritte nei Regolamenti didattici e manifesti degli studi disponibili nel sito:

- <https://www.uniba.it/it/ricerca/dipartimenti/informatica/didattica/corsi-di-laurea/corsi-di-laurea>

Si suggerisce agli studenti di diffidare delle informazioni e dei materiali circolanti su siti o gruppi social non ufficiali, poiché spesso sono risultati non affidabili, non corretti o incompleti. Per ogni dubbio, chiedere un incontro al docente secondo le modalità previste per il ricevimento.