

Programma Corso di Inglese L-LIN/12

Corso di Laurea Triennale in Fisica A.A. 2014/2015

**Obiettivi formativi:** preparare lo studente a comprendere ed esprimersi in una prosa inglese accademica, rigorosa e ben organizzata, tramite una rielaborazione delle proprie conoscenze della lingua inglese già acquisite al livello sintattico, morfologico e lessicale. Nella scelta del contenuto della proposta di programma sono state valutate le abilità linguistiche necessarie ad un giovane che si avvia verso una carriera scientifica.

**Contenuto funzionale/lessico del corso:**

- Expressing numbers and basic operations, describing 2- and 3-dimensional figures, defining simple tools: shape, size and use.
- Describing angles, lines and graphs, reading mathematical symbols, equations and formulae.
- Describing position, movement, action and direction of objects in space.
- Describing qualities, including colour, appearance, texture, strength, of materials and substances and simple apparatus.
- Classification, definition and comparison of substances and physical properties.
- Simple instructions, directions, warnings.
- Time and logical sequencing in the description of a process.
- Explaining cause and reason, drawing contrast, difference and similarity.
- Stating probable, hypothetical and theoretical results, suggesting possible cause, effect and result.
- Reporting actions, observations and findings, accounting for results, stating conclusions.
- The main parts of a scientific report: conceptual paragraphs and logical organization of content matter and argumentation.

**Contenuto morfologico, sintattico del corso:**

- To be and to have as main and auxiliary verbs. Impersonal statements with 'it' and 'there'.
- Nouns: countable, uncountable, dual and mass.
- The simple present: to express states, general truths, habits, mathematical concepts.
- The future tense: to signal predictions, intentions and anticipation.
- Adverbs and prepositions of space and movement, manner, means and instruments.
- Simple statements of comparison and contrast: equal, different and proportional relations.
- The possessive genitive: saxon and 'of' genitive in descriptive statements.
- Fronted statements. Noun phrases, modifiers and qualifiers of nouns and phrases.
- Use of modals for possibility, probability, deduction, obligation, prohibition, permission.
- The imperative mood: direct and hedged forms in scientific instructions.
- The passive voice: present and past tense, by and the agent, agentless passive or thematic focus in instructions, descriptions of processes, observations and deductions.
- Relative clauses: identifying, non-identifying and reduced relative clauses.
- Use of Articles: generalizing, forward and back reference, specificity and uniqueness, common exceptions .
- The present perfect: to focus on events and results.
- The simple past and past perfect: to locate experimental data within a time frame.
- The first, second and third type conditional: implications and possible adverbials.
- Time sequencing and logical connectors to signal cause, effect and results.

Il corso è organizzato in modo modulare:

modulo 1 – revisione base grammaticale e sistema fonetico e pronuncia

modulo 2 – linguaggio scientifico didattico: *listening and note taking*

modulo 3 - descrizione nello spazio e nel tempo: *equipment and processes*

modulo 4 - registro formale – informale, organizzazione del testo *letter writing*

modulo 5 - organizzazione del testo scientifico: *laboratory report*

**Testi da Consigliare:**

- dispense e materiali autentici da internet (contattare docente); *Grammar for First Certificate with Answers* Cambridge University Press IBN 978-0-521-69087-4

**Modalità Verifica:**

La verifica si svolge in due fasi: scritta e orale. In via sperimentale, la parte scritta consiste in una serie di *assignments* da completare almeno 5 giorni prima della data della parte orale.

### **Promemoria for written Assignments and Oral exam**

List of written work to be **completed and corrected** before the oral exam (with estimates of the time required to complete each part):

1. (c.50 hours classroom time + 10 hours private study) Modules 1-5 completion of all the exercises in the modules.
2. (c.45 hours private study time) *Grammar for First Certificate*: Grammar review & exercises sections B & C of each unit, (A & D *optional for additional practice only*). Complete and correct using key.  
Units 1,2,3,5,6 tense review  
Units 7,8 adjectives and adverbs, including comparative and superlative  
Unit 11 pronouns and determiners  
Units 12,13,14,19 modals and conditionals  
Unit 17 infinitive and -ing forms  
Units 24,25 linking words
3. (c.15 hours private study time) listening comprehension exercises on videos
  - a. Promotional videos for physics courses – answers to questions
  - b. Vector videos – answers to questions
  - c. Cornell Notetaking video – notes and summary
  - d. Fusion video – answers to questions
  - e. Rainbow lecture video – answers to questions
4. (c. 5 hours private study time) Formal Letter written assignment
5. (c. 8 hours class time) Additional exercises not included in modules:
  - a. articles exercises
  - b. voltaic cell – linking words exercise
  - c. electric bell – describing a device
  - d. NASA videos on climate change – modals and conditionals exercises
6. (c. 4 hours class time) In-class Test modules 1-4 and *corrections*
7. (c. 5 hours private study time) Report of an Experiment written assignment

This leaves approximately 10 hours of private study for preparation of the oral exam, to complete the 150 hours (62 in class/ 88 private study) which you are expected to do for 6 CFUs. Obviously the actual time spent on each activity will vary from individual to individual, and a lot of oral work time is included in the classroom time for the modules. Those students who have missed a lot of classes will have to complete the modules in private study, which may take longer.

Students who were *absent* when additional material was handed out should contact me for copies and links. Students who did not follow the course should contact me about materials and instructions.

**The oral exam** will take about 15-20 minutes. I will expect you to use appropriate vocabulary, style and structures and demonstrate you have understood the organisational characteristics of a report. The exam will consist in three short parts:

1. A brief introductory conversation about yourself and your studies
2. A description of an experiment
3. A brief account of the content of one of the videos included in the course or  
A summary of the report model and the errors to be avoided, as described in the materials from module 5

Bari, 7 gennaio 2015

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