

Academic subject: English Language 2 L-LIN/12			
Degree Class: (LM-40)		Degree Course: Mathematics	
Academic Year: 2016/2017			
ECTS:3 divided into ECTS lessons: 3 ECTS exe/lab/tutor: 0		Kind of class: mandatory	
Year: 1		Period: 2	
Time management, hours, in-class study hours, out-of-class study hours lesson:24 exe/lab/tutor:/ in-class study: 24 out-of-class study: 51			
Language: Italian		Compulsory Attendance: no	
Subject Teacher: Carmela Mary WHITE		Tel: 080 544 3274 e-mail: carmelamary.white@uniba.it	
Office: Palazzo delle Aula 2 nd Floor		Office days and hours: Monday 9-10.30, or by appointment	
Prerequisites: An entry level of CEFR level of B1 or above is advisable			
Educational objectives: Preparing students, by means of a re-elaboration of their prior knowledge of the language, to understand and express themselves in concise, well organised academic English			
Expected learning outcomes (according to Dublin Descriptors)		<p>Knowledge and understanding:</p> <ul style="list-style-type: none"> the morpho-syntactic basis of academic prose in English (formal register) core mathematics and physical science vocabulary (formal register) classroom language in English (semi-formal register) <p>Applying knowledge and understanding: (Subject Specific Practical Skills)</p> <ul style="list-style-type: none"> ability to watch/listen to a lesson on a familiar scientific topic in English and produce a well-organized oral and note form summary of the contents. ability to discuss a topic of current scientific interest following the reading or vision of didactic and /or outreach materials ability to read and decode a formal academic article on a mathematical topic ability to prepare and present a familiar mathematical topic orally in English with visual aids <p>Making judgements:</p> <ul style="list-style-type: none"> ability to analyse a text in English and judge if the general level of formality and the content are appropriate to the purpose of the document <p>Communication:</p> <ul style="list-style-type: none"> awareness of the importance of organization when writing a text ability to assess and improve own work ability to present an argument or describe a phenomenon in a logical linear and concise manner <p>Lifelong learning and transferable skills:</p> <ul style="list-style-type: none"> the student will learn to be responsible for improving his/her own language skills making efficient use of using appropriate aids writing a cv and cover letter oral presentation skills 	
Course program			
Lexical/functional course content:			
<ul style="list-style-type: none"> Expressing numbers and basic operations, describing 2- and 3-dimensional figures, defining simple tools: shape, size and use Describing angles, lines & graphs, reading mathematical symbols, equations & 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

Morphological/ syntactical course content:

- 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 & back reference, specificity & 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

Teaching methods:

course activities include the following typologies:

- exercises and activities aimed at broadening the student’s knowledge core mathematics and physical science vocabulary
- detailed review of grammar appropriate to scientific discourse through specific exercises
- exercises aimed at improving pronunciation
- exercises and activities aimed at improving the student’s ability to recognize, and use the organization specific to scientific texts, passing from sentence level to text level
- graded exercises aimed at improving the student’s reading speed and ability to pick out the important points of an academic text in English on a mathematics topic through the analysis of selected brief authentic texts

Teaching Materials

- Handouts, authentic materials (contact teacher)

Assessment methods:

Assessment takes place through a series of individual written assignments and a final oral presentation

- Grammar revision exercises
- European style CV and cover letter
- Note taking from video lectures/ podcasts in English and oral summary of content in class
- Preparation of personal vocabulary booklet
- Functional, grammatical and lexical analysis of specialist articles from the literature individually selected by the students and approved by the teacher
- Preparation of a PowerPoint/slide file (visual) and script (discursive) presentation on a research topic and subsequent performance

Bibliography:

- Handouts, authentic materials (contact teacher)