Academic subject: English Language 2 L-LIN/12

Degree Class: (LM-40)	**Degree Course:** Mathematics	**Academic Year:** 2018/2019	
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 2nd 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)

Knowledge and understanding:
- 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)

Applying knowledge and understanding: (Subject Specific Practical Skills)
- 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

Making judgements:
- 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

Communication:
- 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

Lifelong learning and transferable skills:
- 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:
- 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 aan 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)