

Academic year	2015-16
Subject	21146 - English for Science
Group	Group 2, 2S, GFIS, GGEO, GQUI
Teaching guide	G
Language	English

## Subject identification

<b>Subject</b>	21146 - English for Science
<b>Credits</b>	2.4 de presencials (60 hours) 3.6 de no presencials (90 hours) 6 de totals (150 hours).
<b>Group</b>	Group 2, 2S, GFIS, GGEO, GQUI (Campus Extens)
<b>Teaching period</b>	Second semester
<b>Teaching language</b>	English

## Professors

Lecturers	Horari d'atenció als alumnes					
	Starting time	Finishing time	Day	Start date	Finish date	Office
Astrid Marie Schwegler Castañer	15:20	16:00	Monday	14/09/2015	15/07/2016	AB09 (RL)
<a href="mailto:astrid.schwegler@uib.es">astrid.schwegler@uib.es</a>	11:00	13:30	Thursday	14/09/2015	15/07/2016	AB09 (RL)

## Contextualisation

The main goal of this course is to provide specific English language training at an upper intermediate level (B2 level in the Common European Framework of Reference for Languages) for the students of the following degrees (grados): Bioquímica, Química, Física, Biología and Geografía.

As stated in the description, this course provides students with the English language proficiency that is required to obtain the degree. The aims of this course are:

- \* To enhance the ability of students to understand scientific articles and books in English, especially in the field of Science.
- \* To familiarise students with the specific terminology in their area of specialisation.
- \* To improve students' oral skill in English in a work-related context, which will allow them to talk and discuss scientific related issues.
- \* To enhance students' listening skills so as to make them capable of understanding a variety of registers, interviews, talks, and lectures on their fields.

According to the rules of the UIB, in order to obtain a Bachelor Degree students need to prove at the end of their studies a level of competence in English equivalent to a B2 level established in the Common European Framework Reference for Languages (CEFR), as it has been established in the Degree's requirements of their respective curricula. In order to attain this knowledge, students must pass the specific English language course of their Degree. Students may also prove their English skills by means of:

- Presenting a valid certificate or recognized degree by the UIB, attesting the achievement of a minimum level of English equivalent to B2 established in the Common European Framework References for Languages (CEFR). Please, see the following link for further information: [http://estudis.uib.es/es/grau/coneix\\_idioma/](http://estudis.uib.es/es/grau/coneix_idioma/)



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## Teaching guide

- Successfully pass the anual English test organised at the UIB. Please, see the following link for further information:[http://estudis.uib.es/es/grau/coneix\\_idioma/](http://estudis.uib.es/es/grau/coneix_idioma/)

### Requirements

#### Essential requirements

**IMPORTANT: Students are required to prove a minimum of B1 level in English prior to the beginning of the course. The student who does not have a B1 level of English proficiency (level that students must have successfully reached at the end of their secondary studies and are required to pass the University Entrance examination) must acquire this level *before the semester starts*.**

In order to do so, a list of resources for self-learning is provided in the References section of this teaching guide.

In addition, this University is equipped with a Continuous Language Learning Classroom (C13) at the disposal of students. For more information about this sections and the resources available for students, please consult the following link: [http://rrhh.uib.es/digitalAssets/137/137294\\_aulaangl.pdf](http://rrhh.uib.es/digitalAssets/137/137294_aulaangl.pdf)

The University of the Balearic Islands also provides Induction Courses for False Beginners (Curso Cero) at the beginning of the academic year.

#### Requisitos esenciales

Esta asignatura se impartirá íntegramente en inglés. Por ello, es esencial que el alumnado tenga un nivel intermedio de competencia en lengua inglesa (nivel B1 del Marco Europeo Común de Referencia para las Lenguas) antes del inicio del curso.

Los materiales de esta asignatura han sido seleccionados y diseñados teniendo en cuenta los descriptores de nivel B2 de Inglés (MCER) y, una vez aprobada, el alumnado tendrá por consiguiente acreditado el dominio de lengua inglesa que exige la UIB para obtener el Título de Grado.

El alumnado que no tenga el nivel B1 (nivel que el alumnado debe haber alcanzado al término de sus estudios de educación secundaria y el requerido para superar las pruebas de acceso a la universidad) de competencia en lengua inglesa encontrará una lista de recursos para el auto-aprendizaje en la sección bibliográfica de esta guía docente y es su responsabilidad alcanzar este nivel con anterioridad al inicio del curso. Además, la universidad dispone de un aula de autoaprendizaje de lenguas (C13, Edificio Guillem Cifre de Colonya) abierta a todo el alumnado. Para más información sobre esta aula y los recursos que se ponen a disposición del alumnado se puede consultar el siguiente enlace: [http://rrhh.uib.es/digitalAssets/137/137294\\_aulaangl.pdf](http://rrhh.uib.es/digitalAssets/137/137294_aulaangl.pdf)

También se pone a disposición del alumnado Cursos Cero (Induction Courses for False Beginners) al principio del año académico.

#### Requirements essencials

Aquesta assignatura s'imparteix íntegrament en anglès. Per això, és essencial que l'alumnat tingui un nivell intermitja de competència en llengua anglesa (nivell B1 del Marc Europeu Comú de Referència per les Llengües) abans del inici del curs.

Els materials d'aquest assignatura han estat seleccionats i dissenyats tenint en compte els descriptors del nivell B2 d'Anglès (MCER) i, una vegada aprovada, l'alumnat tindrà acreditat el domini de la llengua anglesa que exigeix la UIB per obtenir el Títol de Grau.



## Teaching guide

L'alumnat que no tingui el nivell B1 (nivell que l'alumnat ha d'haver aconseguit en el termini del seus estudis d'educació secundari i el requerit per superar les proves d'accés a la universitat) de competència en llengua anglesa trobarà una llista de recursos per a la auto-aprenentatge a la secció bibliogràfica de aquest guia docent i es la seva responsabilitat assolir aquest nivell amb anterioritat al inici del curs. Amés, la universitat disposa d'un aula d'auto-aprenentatge de llengües (C13, Edifici Guillem Cifre de Colonya) obert a tot l'alumnat. Per més informació sobre aquest aula i els recursos que es posen a disposició del alumnat es pot consultar al següent enllaç: [http://rrhh.uib.es/digitalAssets/137/137294\\_aulaangl.pdf](http://rrhh.uib.es/digitalAssets/137/137294_aulaangl.pdf)

També es posen a disposició del alumnat Cursos Cero al principi del any acadèmic.

## Skills

### Specific

- \* CT-6 (Bioquímica), CT-1 (Química), T9 (Física), CT-4 (Biologia) i CE-1 (Geografia): Ability to understand spoken and written English at an upper intermediate level in academic tasks within the field/s of expertise, which entails acquiring the following specific skills: - Reading. Reading comprehension strategies: skimming, scanning. Intensive and extensive reading. Organisation and conventions of written academic discourse. - Writing. Basic writing skills in accordance with the academic needs of students in the field of health and behavioural sciences and their future requirements as professionals. - Grammar. The characteristics of academic writing in Science: nominalisation and nominalised phrases, compounding, abbreviations, rhetorical markers. - Vocabulary. Specific terminology in the field of Science with particular attention to technical and semi-technical vocabulary. - Speaking. Assessing scientific arguments: discussion and debate. Living presentations on a Science-related topic. - Listening. Understanding main ideas and taking notes in Science-related talks.

### Generic

- \* CT-8 (Bioquímica), CT-2, CT-9 (Química), E11 (Física), CT-5 (Biologia) i CE-14 (Geografia). Ability to learn and work both autonomously and in a team..
- \* CT-5 (Bioquímica), CB-5 (Química), B5 (Física), CT-5 (Biologia) i CG-5 (Geografia). Learning abilities necessary to undertake post-graduate studies with a high degree of autonomy..
- \* CT-2 (Bioquímica), CT-6 (Química), T1, T6 (Física), CE-8 (Biologia) i CG-3 (Geografia). Ability to critically interpret, analyze, summarize and evaluate information..

### Basic

- \* You may consult the basic competencies students will have to achieve by the end of the degree at the following address: <http://www.uib.eu/study/grau/Basic-Competences-In-Bachelors-Degree-Studies/>

## Content

### Theme content

1. Getting started in research
  - Planning a career in science
  - Writing up a résumé, CV or cover letter

- Using evidence in arguing a point
- 2. Describing an experiment
  - Describing approaches to data collection
  - Describing material phenomena and forces
  - Describing a process
  - Evaluating the results of an experiment
  - Describing problems with an experiment
  - Keeping a lab notebook
- 3. Writing up research 1: materials and methods
  - Describing states and processes
  - Describing data: numbers/numerical values
- 4. Writing up research 2: presenting data
  - Summarising data in visual form
  - Writing captions for figures
  - Describing visual data
- 5. Writing up research 3: results and discussion
  - Organising the results and discussion sections
  - Preparing and writing the result and discussion section and section
- 6. Writing up research 4: introduction and abstract
  - Writing the introduction
  - Writing the abstract
  - Giving a title to your paper
- 7. Presenting information
  - Presenting a poster
  - Teaching a class

## Teaching methodology

Mobile phones and other electronic devices are NOT allowed in the classroom. Laptop computers are acceptable ONLY if used for the purposes related to classroom activity.

## In-class work activities

Modality	Name	Typ. Grp.	Description	Hours
Theory classes		Large group (G)	Sessions that will be devoted to teaching/learning grammatical content (Use of English) and to the acquisition of general and specific vocabulary and the techniques needed to develop the four skills: Writing, Reading, Listening and Speaking.	27.5

## Teaching guide

Modality	Name	Typ. Grp.	Description	Hours
Practical classes		Medium group (M)	Implementation of the theoretical knowledge acquired by means of individual or team work, favoring a communicative and task-based learning methodology.	27.5
Assessment	Final examination	Large group (G)	The final exam will account for 50% of the final grade, and students need to pass it with at least 50% of the maximum grade (e.g., a 5 out of 10) in order to pass the subject. It can be recovered in July.  It will consist of three sections: Use of English (Grammar and Vocabulary), Listening, and Reading.	3
Assessment	Oral examination	Large group (G)	Assessment of the student's ability to interact in conversational English in general and subject-specific contexts.  This examination will account for 20% of the final grade and it is recoverable.	1
Assessment	Written examination	Large group (G)	Assessment of the student's ability to write coherent general and subject-specific texts that meet the required level of English (B2).  This paper will account for 20% of the final grade and it is recoverable	1

At the beginning of the semester a schedule of the subject will be made available to students through the UIBdigital platform. The schedule shall at least include the dates when the continuing assessment tests will be conducted and the hand-in dates for the assignments. In addition, the lecturer shall inform students as to whether the subject work plan will be carried out through the schedule or through another way included in the Campus Extens platform.

### Distance education work activities

Modality	Name	Description	Hours
Individual self-study	Autonomous study	Preparation outside course hours of projects and activities to be presented in the classroom.	70
Individual self-study	C13	Students must attend a minimum of 10 hours of self-assisted language study at the Language Laboratory (C13) located in the Guillem Cifre de Colonya building.	10
Group or individual self-study	Video	Production of a video of a scientific process or experiment individually or group (maximum 4 students per group).	10

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### Specific risks and protective measures

The learning activities of this course do not entail specific health or safety risks for the students and therefore no special protective measures are needed.

### Student learning assessment

**WARNING** It should be noted that plagiarism will always be penalised in accordance with the UIB's current academic regulations (Reglament Acadèmic) reproduced below: article 33. Fraus: "Amb independència del procediment disciplinari que es pugui seguir contra l'estudiant infractor, la realització demostratòria fraudulenta d'alguna de les activitats d'avaluació incloses en l'avaluació d'alguna assignatura comportarà, segon les circumstàncies, una menysvaloració en la seva qualificació que, en els casos més greus, pot arribar a la qualificació de "suspens" (0,0) a la convocatòria anual. En particular, es considera un frau la inclusió en un treball de fragments d'obres alienes presentats de tal manera que es facin passar com a propis de l'estudiant."

#### Final examination

Modality	Assessment
Technique	Objective tests ( <b>retrievable</b> )
Description	The final exam will account for 50% of the final grade, and students need to pass it with at least 50% of the maximum grade (e.g., a 5 out of 10) in order to pass the subject. It can be recovered in July. It will consist of three sections: Use of English (Grammar and Vocabulary), Listening, and Reading.
Assessment criteria	This exam accounts for 50% of the final grade, distributed as follows: Use of English 20%, Reading 15%, Listening 15%.

Students need a score of 5 in this exam in order to pass the subject. It can be recovered in July.

Final grade percentage: 50% with minimum grade 5

#### Oral examination

Modality	Assessment
Technique	Oral tests ( <b>retrievable</b> )
Description	Assessment of the student's ability to interact in conversational English in general and subject-specific contexts. This examination will account for 20% of the final grade and it is recoverable.
Assessment criteria	Assessment of the student's ability to interact in conversational English in general and subject-specific contexts. This paper will account for 20% of the final grade and it is recoverable.

The date and exact methodology for this examination will be announced at the beginning of the semester on Campus Extens

Final grade percentage: 20%

## Teaching guide

### Written examination

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Modality	Assessment
Technique	Extended-response, discursive examinations ( <b>retrievable</b> )
Description	Assessment of the student's ability to write coherent general and subject-specific texts that meet the required level of English (B2). This paper will account for 20% of the final grade and it is recoverable
Assessment criteria	Assessment of the student's ability to write coherent general and subject-specific texts that meet the required level of English (B2). This examination will account for 20% of the final grade and it is recoverable.  The date and exact methodology for this examination will be announced at the beginning of the semester on Campus Extens

Final grade percentage: 20%

### C13

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Modality	Individual self-study
Technique	Self-assessment systems ( <b>non-retrievable</b> )
Description	Students must attend a minimum of 10 hours of self-assisted language study at the Language Laboratory (C13) located in the Guillem Cifre de Colonya building.
Assessment criteria	Students must attend a minimum of 10 hours of self-assisted language study at the Language Laboratory (C13) located in the Guillem Cifre de Colonya building.  The date and exact methodology for this examination will be announced at the beginning of the semester on Campus Extens

Final grade percentage: 5%

### Video

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Modality	Group or individual self-study
Technique	Papers and projects ( <b>non-retrievable</b> )
Description	Production of a video of a scientific process or experiment individually or group (maximum 4 students per group).
Assessment criteria	Production of a video of a scientific process or experiment individually or group (maximum 4 students per group).  The date and exact methodology for this project will be announced at the beginning of the semester on Campus Extens

Final grade percentage: 5%

## Resources, bibliography and additional documentation

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### Basic bibliography

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Vince, M. 2008. *Macmillan English Grammar in Context, Intermediate with Key*. Oxford: Macmillan Publishers Limited.

### Complementary bibliography

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Arner, Tamzen. Ed. 2011. *Cambridge English for Scientists*. UK: Cambridge University Press





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Further bibliography will be presented in class.

### Other resources

#### RESOURCES TO IMPROVE ENGLISH LANGUAGE PROFICIENCY

##### BOOKS

Basic grammar:

Murphy, Raymond and Fernando García Clemente (2008). *Essential Grammar in Use*. Edición en español con respuestas. Cambridge University Press.

Swan, Michael and Catherine Walter (2001). *The Good Grammar Book. With Answers*. Oxford University Press.

Grammar and vocabulary:

Pérez Rodríguez, Eva María (2006). *English Language Practice Advanced*. UIB, colecció materials didàctics, 120.

Vince, Michael (2009). *First Certificate Language Practice with Key*. English Grammar and vocabulary. Macmillan.

Vince, Michael (2009). *Advanced Language Practice with Key*. English Grammar and Vocabulary. Macmillan.

Vocabulary:

McCarthy, Michael and Felicity O'Dell (2005). *English Vocabulary in Use. Elementary*. Cambridge University Press.

Redman, Stuart (2002). *English Vocabulary in Use. Pre-intermediate and intermediate*. Cambridge University Press.

McCarthy, Michael and Felicity O'Dell (2001). *English Vocabulary in Use. Upper-intermediate and Advanced*. Cambridge University Press.

McCarthy, Michael and Felicity O'Dell (2006). *English Vocabulary in Use. Advanced*. Cambridge University Press.

To improve communicative skills:

Cory, Hugh (1999). *Advanced Writing with English in Use*. Oxford University Press.

Gude, Kathy (2000). *Advanced Listening and Speaking*. Oxford university Press.

To improve specific language issues:

Hancock, Mark (2003). *English Pronunciation in Use*. Cambridge University Press.

McCarthy, Michael and Felicity O'Dell (2002). *English Idioms in Use*. Cambridge University Press.

McCarthy, Michael and Felicity O'Dell (2004). *English Phrasal Verbs in Use*. Cambridge University Press.

McCarthy, Michael and Felicity O'Dell (2008). *English Collocations in Use*. Cambridge University Press.

McCarthy, Michael and Felicity O'Dell (2008). *English Collocations in Use. Advanced*. Cambridge University Press.

McCarthy, Michael and Felicity O'Dell (2008). *Academic English in Use. Advanced*. Cambridge University Press.

##### WEBSITES

<http://englishonline.sites.uol.com.br/english/intermediate.htm>

<http://www.bbc.co.uk/worldservice/learningenglish/language>

<http://www.uefap.com/index.htm>

<http://a4esl.org>

<http://www.grammar-quizzes.com/index.html>

<http://english.baladre.org/sedaviwebfront/grammarindex.htm>

<http://www.englishexercises.org>

