

Teaching guide

IDENTIFICATION DETAILS

Degree:	Diploma in Biotechnological Research Methodology (UFV-Awarded Title associated with Biotechnology)		
Field of Knowledge:	Science		
Faculty/School:	Experimental Science		
Course:	SCIENTIFIC AND TECHNICAL ENGLISH		
Type:	Compulsory Internal	ECTS credits:	4
Year:	2	Code:	20112
Teaching period:	Third semester		
Teaching type:	Classroom-based		
Language:	English		
Total number of student study hours:	100		

Teaching staff	E-mail
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SUBJECT DESCRIPTION

The objective of the Scientific and Technical English subject is to provide the student with the knowledge that will allow them to use the English language as a professional tool in the area of Biotechnology. The student will improve research skills, the compiling of (and familiarity with) documentation and be able to communicate effectively in English within the professional environment.

In addition to working alongside others, using written information and audio-visual material, where the language

used is English, the student will study content along the following lines: knowledge of the English language to facilitate professional progression and opportunity, grammar, syntax, reading, oral and written expression and the use of English in various activities and forms of modern communication (internet etc.)

Scientific and Technical English is a compulsory subject taught in the Third Semester, in the second year of studies and carries 4 ECTS credits, implying 100 hours of dedication on the learner's part.

GOAL

To develop and improve the learner's overall communicative skills in English through active listening and speaking, and in particular, to increase the learner's understanding and use of vocabulary and language structure as well as reading and writing skills within this particular field of study.

PRIOR KNOWLEDGE

This course recommends a minimum B2 level of English. (See: the Common European Framework of Reference for Languages)

COURSE SYLLABUS

This course is designed around contexts for learning new science related language that provide engaging real-life situations exposing students to authentic English usage and providing realistic models for language production. It is designed to promote effective communication and helps to build learners' confidence with regular opportunities for meaningful practice using various methodologies like 'Flipped classroom' and 'Cooperative learning'. Lessons give students concrete learning objectives and a sense of progress. All sections have tasks that move from global to detailed understanding so students can achieve a good overall comprehension.

EDUCATION ACTIVITIES

In second-language teaching-learning methodology, the how is as important as the what or even the final result.



The methodology applied in this course is therefore communicative, eclectic and collaborative. 'Communicative' implies active participation and involvement. 'Eclectic' takes into account different teaching-learning styles, allowing the student to develop and activate his/her own learning. 'Collaborative' provides the learner with the opportunity, both individually and in collaboration with others, to acquire more autonomy as well as a greater sense of responsibility for self and others. The teacher is a guide in this learning process.

This communicative, eclectic, collaborative methodology implies,

IN CLASS:

- Interactive class lectures
- Student presentations and student-led discussions
- Group and pair activities: role-plays, simulations, interviews, research, project work, online forums, etc.
- Feedback mechanisms
- Midterm and final written and/or oral exams

OUTSIDE OF CLASS:

- Independent study and preparation of class/group/pair work
- Online task completion and participation
- Individual and group tutorials
- Self-assessment

The focus of this subject is on content, knowledge and skills relevant to the chosen degree area.

DISTRIBUTION OF WORK TIME

CLASSROOM-BASED ACTIVITY	INDEPENDENT STUDY/OUT-OF-CLASSROOM ACTIVITY
40 hours	60 hours

<p>Theoretical Classes / Lectures</p> <p>*Theoretical and practical workshops, seminars, conference, round tables: (Work in small groups in order to go in depth with specific content, individual or group tutorials)</p> <p>*Practical Classes and Presentations of Group Work Assessment</p> <p>40h</p>	<p>Individual and group work , theoretical and practical study , completion of assignments on UFV Virtu@I and /or other multimedia platforms.</p> <p>60h</p>
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SKILLS

<p>Develop oral and written communication in English</p> <p>To analyse and appreciate the key ideas and content of science related texts; to discover the ideas, issues and messages incorporated within them and to make critical judgements about their form and content.</p> <p>To use the English language for professional development in an international context.</p>
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LEARNING RESULTS

<p>Select, analyze and document information from various sources to create suitable material for subsequent presentation and/or discussion.</p> <p>Apply effective communication skills and techniques to oral presentations.</p> <p>Create and lead a meaningful discussion on science related issues.</p> <p>Write relevant lab reports in the English language in an accurate, coherent and organized way.</p>

LEARNING APPRAISAL SYSTEM

<p>LEARNING APPRAISAL SYSTEM</p> <p>*****</p> <p>CONTINUOUS EVALUATION SYSTEM</p> <p>*****</p> <p>-----</p> <p>ORDINARY EXAM PERIOD: Dec-Jan (1st SEMESTER) – May (2nd SEMESTER)</p>	
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BLOCK 1: WRITTEN EXAMS – 40%

-10% - Mid-term Exam. If a student does not sit the mid-term exam and does not present a formal excuse IN DUE TIME AND IN PROPER FORM, authorized by the PEC or the Director of the Degree, he/she loses this 10%.

-30% - Final Exam. To calculate an average with the Mid-term Exam, the student must obtain a minimum of 5/10 on the Final Exam.

NOTE: Students must obtain a PASS (5/10) in THE FINAL EXAM IN ORDER TO PASS THE SUBJECT and to calculate an overall grade average with blocks 2, 3 and 4.

BLOCK 2: ORAL ASSESSMENT- 30%

-Evaluated ORAL task(s) completed in class throughout the semester, individually, in pairs and/or in groups (presentations, debates, discussions, simulations, interviews, etc).

NOTE: Students must obtain an overall PASS (5/10) in BLOCK 2, to calculate an overall grade average with BLOCKS 1, 3 and 4. STUDENTS MUST PASS THIS BLOCK IN ORDER TO PASS THE SUBJECT.

BLOCK 3: INDEPENDENT STUDY-WORK ASSESSMENT - 20%

- Completion of evaluated work, as stipulated by the teacher.
- Completion of regular homework assignments.
- Completion of and participation in any online tasks.
- Attendance to tutorials when required.

NOTE: All tasks and assignments must be handed in IN DUE TIME AND PROPER FORM, as stipulated in the course calendar on the Aula Virtual. If tasks and assignments are not handed in IN DUE TIME AND PROPER FORM, the mark for aforementioned tasks and assignments will be 'zero' (0). They will NOT be marked within the ordinary exam period if handed in after the deadline.

BLOCK 4: ATTITUDE AND PARTICIPATION – 10%

NOTE: Students who do not attend class on a regular basis and who do not have a formal "dispensa" authorized and communicated by the Degree automatically lose this 10%.

EXTRAORDINARY EXAM PERIOD: June -July (1st and 2nd SEMESTERS)

NOTE:

1. Within one academic period, all passed marks from the different BLOCKS will be transferred from the ordinary to the extraordinary exam period.



2. Within one academic period, only those BLOCKS which have been failed in the ordinary exam period may be repeated in the extraordinary exam period.
3. No grades will be transferred from one academic year to the following academic year.

BLOCK 1: WRITTEN EXAM – 40%

-If BLOCK 1 has been failed, the student will be required to sit one written exam based on the contents covered throughout the course.

NOTE: Students must obtain an overall PASS (5/10) in BLOCK 1 to calculate an overall grade average with BLOCKS 2, 3 and 4. STUDENTS MUST PASS THE FINAL EXAM IN ORDER TO PASS THE SUBJECT.

BLOCK 2: ORAL ASSESSMENT- 30%

-If BLOCK 2 has been failed, the student will be required to carry out the required oral tasks from the ordinary exam period.

-The ORAL ASSESSMENT will take place on or before the officially published extraordinary exam date, unless indicated otherwise by the teacher.

NOTE: Students must obtain an overall PASS (5/10) in BLOCK 2 to calculate an overall grade average with BLOCKS 1, 3 and 4. STUDENTS MUST PASS THIS BLOCK IN ORDER TO PASS THE SUBJECT.

BLOCK 3: INDEPENDENT STUDY-WORK ASSESSMENT - 20%

-If BLOCK 3 has been failed, the student will have the opportunity to repeat and/or submit one or more major pieces of course-related work BY OR BEFORE the official final exam date in the extraordinary period unless indicated otherwise by the teacher.

BLOCK 4: ATTITUDE AND PARTICIPATION – 10%

- The mark for this block will be transferred from the ordinary period to the extraordinary period.

ALTERNATIVE EVALUATION SYSTEM

NOTE: This system only applies for those students who are: repeating the course; have an official 'dispensa' signed by the dean of the corresponding faculty; or are on an international exchange program, therefore automatically having a 'dispensa'. IT IS THE STUDENT'S RESPONSIBILITY TO BE INFORMED REGARDING COURSE REQUIREMENTS, DEADLINES AND EXAM DATES, AS WELL AS TO CONTACT HIS/HER TEACHER. STUDENTS MUST CONTACT THEIR TEACHER WITHIN A MONTH FROM THE BEGINNING OF THE TERM.

ORDINARY EXAM PERIOD: Dec-Jan (1st SEMESTER) – May (2nd SEMESTER)

BLOCK 1: WRITTEN EXAM – 50%



-The student will be required to sit one written exam based on the contents covered throughout the course.

NOTE: Students must obtain an overall PASS (5/10) in BLOCK 1 to calculate an overall grade average with BLOCKS 2 and 3. STUDENTS MUST PASS THE FINAL EXAM IN ORDER TO PASS THE SUBJECT.

BLOCK 2: ORAL ASSESSMENT- 30%

-The student will be required to carry out ORAL task(s) as stipulated by the teacher.

-The ORAL ASSESSMENT will take place on or before the officially published extraordinary exam date, unless indicated otherwise by the teacher.

NOTE: Students must obtain an overall PASS (5/10) in BLOCK 2 to calculate an overall grade average with BLOCKS 1 and 3. STUDENTS MUST PASS THIS BLOCK IN ORDER TO PASS THE SUBJECT.

BLOCK 3: INDEPENDENT STUDY-WORK ASSESSMENT - 20%

-Completion of evaluated work, as stipulated by the teacher.

-Completion of regular homework assignments (to be handed in through the Aula Virtual or by email).

-Completion of and participation in any online tasks.

-Attendance to tutorials when required.

NOTE: All tasks and assignments must be handed in BY OR BEFORE THE LAST DAY OF CLASS ACCORDING TO THE OFFICIAL COURSE CALENDAR OR AS STIPULATED BY YOUR TEACHER. If tasks and assignments are not handed in by or before this date, the mark for aforementioned tasks and assignments will be 'zero' (0). They will NOT be marked within the ordinary exam period if handed in after this deadline.

EXTRAORDINARY EXAM PERIOD: June -July (1st and 2nd SEMESTERS)

NOTE:

1. Within one academic period, all passed marks from the different BLOCKS will be transferred from the ordinary to the extraordinary exam period.
2. Within one academic period, only those BLOCKS which have been failed in the ordinary exam period may be repeated in the extraordinary exam period.
3. No grades will be transferred from one academic year to the following academic year.

BLOCK 1: WRITTEN EXAM –50%

-The student will be required to sit one written exam based on the contents covered throughout the course.

NOTE: Students must obtain an overall PASS (5/10) in BLOCK 1 to calculate an overall grade average with BLOCKS 2 and 3. STUDENTS MUST PASS THE FINAL EXAM IN ORDER TO PASS THE SUBJECT.

BLOCK 2: ORAL ASSESSMENT- 30%

-The student will be required to carry out the required oral task(s) from the ordinary exam period

-The ORAL ASSESSMENT will take place on or before the officially published extraordinary exam date, unless

indicated otherwise by the teacher.

NOTE: Students must obtain an overall PASS (5/10) in BLOCK 2 to calculate an overall grade average with BLOCKS 1 and 3. STUDENTS MUST PASS THIS BLOCK IN ORDER TO PASS THE SUBJECT.

BLOCK 3: INDEPENDENT STUDY-WORK ASSESSMENT – 20%

-The student will have the opportunity to repeat and/or submit one or more major pieces of course-related work BY OR BEFORE the official final exam date in the extraordinary period.

FURTHER NOTES:

- 1.Coursework deadlines are established by the teacher. No work will be accepted after the due date.
2. Only the coursework stipulated will count towards the final grade. Additional pieces of work with the aim of raising one's overall grade will not be accepted.
3. In the event of plagiarism or the use of any other fraudulent methods related to the evaluation process, the UFV regulations to the effect (la Normativa de Convivencia y la Normativa de Evaluación) will be applied.
- 4.Students are responsible for contacting their subject teacher within the first week after receiving notification of having obtained a 'dispensa'. Students are also responsible for being informed regarding and complying with the course requirements.
- 5.Honorable Mention: An honorable mention is recognition of excellence. It is awarded exclusively to students who stand out from their peers academically, as well as in attitude, dedication and teamwork. This decision lies exclusively with the subject teacher.
6. Students MUST PASS BOTH BLOCKS 1 AND 2 in order to pass the subject.

BIBLIOGRAPHY AND OTHER RESOURCES

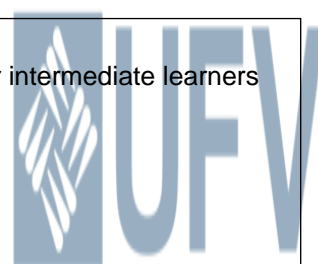
Basic

ENGLISH DEPARTMENT, UFV Coursepack: Scientific and Technical English- 2nd Year- Biotechnology

Additional

MURPHY, Raymond. English Grammar in Use: A self-study reference and practice book for intermediate learners of English with answers / 4th. ed. Cambridge :Cambridge University Press,2014.

VVAA Oxford Dictionary of Biology.
Oxford: Oxford University Press, 2019.



Arner, T. Cambridge English for Scientists.
Cambridge: Cambridge Univeristy Press, 2011