



POLITÉCNICA

INTERNATIONAL
CAMPUS OF
EXCELLENCE

COORDINATION PROCESS OF
LEARNING ACTIVITIES
PR/CL/001



E.T.S. de Ingenieros de
Telecomunicacion

ANX-PR/CL/001-01

LEARNING GUIDE

SUBJECT

95000017 - Inglés II

DEGREE PROGRAMME

09TT - Grado En Ingenieria De Tecnologias Y Servicios De Telecomunicacion

ACADEMIC YEAR & SEMESTER

2025/26 - Semester 2

Index

Learning guide

1. Description.....	1
2. Faculty.....	1
3. Prior knowledge required to take the subject.....	2
4. Prior knowledge recommended to take the subject.....	2
5. Skills and learning outcomes	3
6. Brief description of the subject and syllabus.....	3
7. Schedule.....	6
8. Activities and assessment criteria.....	9
9. Teaching resources.....	14
10. Other information.....	17

1. Description

1.1. Subject details

Name of the subject	95000017 - Inglés II
No of credits	3 ECTS
Type	Compulsory
Academic year of the programme	Second year
Semester of tuition	Semester 4
Tuition period	February-June
Tuition languages	English
Degree programme	09TT - Grado en Ingeniería de Tecnologías y Servicios de Telecomunicacion
Centre	09 - E.T.S. De Ingenieros De Telecomunicacion
Academic year	2025-26

2. Faculty

2.1. Faculty members with subject teaching role

Name and surname	Office/Room	Email	Tutoring hours *
Cristina Zimbroianu	C-204	cristina.zimbroianu@upm.es	Sin horario. To be confirmed
Maria De La Nava Maroto Garcia	C-204	mariadelanava.maroto@upm .es	Sin horario. To be confirmed
Marta Peinado Lopez	C-204	marta.peinado@upm.es	Sin horario. To be confirmed

Maria Estefania Aviles Mariño (Subject coordinator)		estefania.aviles@upm.es	- -
--	--	-------------------------	-----

* The tutoring schedule is indicative and subject to possible changes. Please check tutoring times with the faculty member in charge.

3. Prior knowledge required to take the subject

3.1. Prerequisite (passed) subjects

-

-

- Nivelación B2 en Lengua Inglesa

3.2. Other required learning outcomes

The subject - other required learning outcomes, are not defined.

4. Prior knowledge recommended to take the subject

4.1. Recommended (passed) subjects

The subject - recommended (passed), are not defined.

4.2. Other recommended learning outcomes

- In order to enrol for this course, students are required to present at least a valid certificate of B1 (CEFR) level of English. However, 5 days prior to the exam, students must certify a B2 level; otherwise, they will not be allowed to take the exam.

5. Skills and learning outcomes *

5.1. Skills to be learned

CG6 - Uso de la lengua inglesa

CG8 - Comunicación oral y escrita

5.2. Learning outcomes

RA30 - Capacidad de comunicación, tanto oral como escrita, en entornos multilingües

RA31 - Capacidad de trabajo en grupo

* The Learning Guides should reflect the Skills and Learning Outcomes in the same way as indicated in the Degree Verification Memory. For this reason, they have not been translated into English and appear in Spanish.

6. Brief description of the subject and syllabus

6.1. Brief description of the subject

Theoretical sessions: Instructors will deliver core discursive and linguistic content in English using the *flipped classroom* methodology. This approach fosters active listening comprehension and note-taking skills, while also providing guidelines for collaborative group project development during in-person sessions. Additional methodologies include *Task-Based Learning*, *Learning-by-Doing*, and *Communicative Approaches*, ensuring an engaging and interactive learning environment.

Workshops: these will combine foundational theoretical instruction with diverse individual and group activities. At the start of the semester, students will be organized into class workgroups for collaborative tasks, which are mandatory and non-recoverable (one based on *Corporate Cultures*, a *Job-interview role play* and a *Policy Pitch*). Activities include listening comprehension exercises and oral tasks (in the form of *worksheets* as part of progressive assessment activities) based on live events, recorded videos, and audio materials related to telecommunications, professional settings, and business scenarios (e.g., job interviews, oral presentations, discussions, and technical talks). Each session will begin with *worksheets* as part of a progressive assessment. Additionally, students are required to make a compulsory *CV presentation* individually.

Attendance and participation in academic seminars and technical lectures held at the ETSI de Telecomunicación or offered by other organizations. Interviews with professionals working in telecom companies.

Individual and group assignments: Students will complete in-class worksheets designed to develop listening and speaking skills, focusing on key concepts in professional and academic contexts. Through the listening and viewing comprehension activities of specialized topics in the field of telecommunication in these worksheets, students will get familiarized with content and terminology of the field and its correct pronunciation and stress. Additionally, they will work in groups on three compulsory, non-recoverable projects and individually in presenting their CVs.

Office hours: they will be organized according to the University regulations in force. Students will be able to contact their teachers via email. English is welcomed as the main language to be used both in emails and during the office hours.

6.2. Syllabus

1. Corporate Cultures and Management and Work Styles in Telecommunication Companies
 - 1.1. Corporate Cultures in Tech Industries
 - 1.2. Oral Discourse Strategies
 - 1.3. Developing personal and professional narratives for VideoCVs and elevator pitches
 - 1.4. Structuring and delivering compelling arguments for meetings, technical debates, and project pitches
2. Navigating Job Interviews in the Tech Sector
 - 2.1. Preparation for a job interview, selection techniques, types of job interviews and structure
 - 2.2. Simulated Interview Practice
 - 2.3. AI in Recruitment: Case Studies in CV Screening & Interview Automation
3. Global Trends and Policies in Telecommunications: SDGs and 2030 Agenda
 - 3.1. European Digital Agenda and Industry Trends
 - 3.2. Mastering communicative functions for giving opinions, agreeing, disagreeing, and persuading in policy discussions
 - 3.3. Ethics and sustainability in telecommunications
4. Delivering Effective Oral Presentations in Academic and Professional contexts

- 4.1. Identifying audience needs, defining objectives, and structuring presentations for technical and non-technical audiences
- 4.2. Creating effective visual aids (including ICT and AI), and integrating data visualization for telecom-related topics
- 4.3. Managing body and signposting language, pacing, time control, and responding to audience questions confidently

7. Schedule

7.1. Subject schedule*

Week	Type 1 activities	Type 2 activities	Distant / On-line	Assessment activities
1		<p>Course presentation: Programme contents, tasks, assessment criteria, bibliography, tutorials, departmental rules, etc.</p> <p>Duration: 01:00 Lecture</p> <p>Talking about yourself. Video CV. Crafting Professional Profiles: Developing personal and professional narratives for VideoCVs and elevator pitches tailored to telecommunication roles.</p> <p>Duration: 01:00 Problem-solving class</p>		
2		<p>Tema 1 (I). Professional Communication in Telecommunication Environments: Defining corporate culture, exploring types (e.g., innovative, collaborative, hierarchical) with focus on global telecommunication companies (e.g., Ericsson, Nokia, Huawei).</p> <p>Duration: 01:00 Problem-solving class</p>		<p>2.5-minute Video CV presentation. Individual presentation Progressive assessment Presential Duration: 01:00</p>
3		<p>Tema 1 (II): Leadership and Collaboration Styles: Analyzing management and teamwork dynamics in telecommunication projects, including agile methodologies and cross-cultural teams.</p> <p>Duration: 01:00 Problem-solving class</p>		<p>2.5-minute Video CV presentation. Individual presentation Progressive assessment Presential Duration: 01:00</p>
4		<p>Tema 2 (I) The Job interview. Introduction. Interview Preparation and Formats: Understanding recruitment processes, behavioral and technical interview types, and structures specific to telecommunication engineering roles.</p> <p>Duration: 01:00 Problem-solving class</p>		<p>2.5-minute Video CV presentation. Individual presentation Progressive assessment Presential Duration: 01:00</p>
5		<p>Tema 2 (II) Preparation for a job interview, types of interviews, selection techniques and structure. AI in Recruitment ? Case Studies in CV Screening & Interview Automation</p> <p>Duration: 01:00 Problem-solving class</p>		<p>Telecom Corporate Culture presentation- Non recoverable Group presentation Progressive assessment Presential Duration: 01:00</p>

6		Tema 2 (III) The Job interview. Practice of job interviews in groups and dealing with difficult questions. Duration: 01:30 Problem-solving class		Workshop on oral skills. Individual work Progressive assessment Presential Duration: 00:30
7		Tema 3 (I): The European Digital Agenda and the SDGs of the Agenda 2030 of United Nations (e.g., 5G/6G deployment, cybersecurity, AI integration). Ethics and sustainability in telecommunications: Sustainable Innovation and ethical challenges Duration: 01:30 Problem-solving class		Workshop on oral skills. Individual work Progressive assessment Presential Duration: 00:30
8		Tema 3 (II): The European Digital Agenda and the SDGs of the Agenda 2030 of United Nations. Mastering communicative functions for giving opinions, agreeing, disagreeing, and persuading in policy discussions. Duration: 01:00 Problem-solving class		Job Interview Role-Play-Non recoverable Group work Progressive assessment Presential Duration: 01:00
9	MID-TERM EXAMS Duration: 03:00 Additional activities			
10		Tema 4. Oral presentations (I). Identifying audience needs, defining objectives, and structuring presentations for technical and non-technical audiences Duration: 01:30 Problem-solving class		Workshop on oral skills. Individual work Progressive assessment Presential Duration: 00:30
11		Tema 4. Oral presentations (II). Creating effective visual aids (ICT, AI), and integrating data visualization for telecom-related topics. Duration: 01:00 Problem-solving class		Policy Pitch-Non recoverable Group presentation Progressive assessment Presential Duration: 01:00
12	EASTER WEEK Duration: 03:00 Additional activities			
13		Tema 4. Oral presentations (III). Managing signposting and body language, pacing, time control, and responding to audience questions confidently Duration: 01:30 Problem-solving class		Workshop on oral skills. Individual work Progressive assessment Presential Duration: 00:30
14				
15		Explaining the structure and assessment criteria of the final exam. Duration: 01:30 Lecture		Workshop on oral skills Other assessment Progressive assessment Presential Duration: 00:30

16			<p>Final Exam progressive assessment: Listenings: gap filling, diagram completion. Scaffolding diagram and visual representation out of a TELECOM listening using ICT. Written test Progressive assessment Presential Duration: 02:00</p>
17			<p>WRITTEN EXAM Listening Test+ Questionnaire on the contents, linguistic and discursive elements of the programme + Prject presentation Written test Global examination Presential Duration: 02:00</p> <p>ORAL PRESENTATION on a telecommunication topic with further questions on their presentation as well as on academic and professional issues related to the course syllabus Individual presentation Global examination Not Presential Duration: 01:00</p>

Depending on the programme study plan, total values will be calculated according to the ECTS credit unit as 26/27 hours of student face-to-face contact and independent study time.

8. Activities and assessment criteria

8.1. Assessment activities

8.1.1. Assessment

Week	Description	Modality	Type	Duration	Weight	Minimum grade	Evaluated skills
2	2.5-minute Video CV presentation.	Individual presentation	Face-to-face	01:00	2.5%	5 / 10	CG8 CG6
3	2.5-minute Video CV presentation.	Individual presentation	Face-to-face	01:00	5%	5 / 10	CG6 CG8
4	2.5-minute Video CV presentation.	Individual presentation	Face-to-face	01:00	2.5%	5 / 10	CG6 CG8
5	Telecom Corporate Culture presentation- Non recoverable	Group presentation	Face-to-face	01:00	20%	5 / 10	CG8 CG6
6	Workshop on oral skills.	Individual work	Face-to-face	00:30	0%	5 / 10	CG8 CG6
7	Workshop on oral skills.	Individual work	Face-to-face	00:30	0%	5 / 10	CG6 CG8
8	Job Interview Role-Play-Non recoverable	Group work	Face-to-face	01:00	10%	5 / 10	CG6 CG8
10	Workshop on oral skills.	Individual work	Face-to-face	00:30	0%	5 / 10	CG6 CG8
11	Policy Pitch-Non recoverable	Group presentation	Face-to-face	01:00	20%	5 / 10	CG6 CG8
13	Workshop on oral skills.	Individual work	Face-to-face	00:30	0%	5 / 10	CG6 CG8
15	Workshop on oral skills	Other assessment	Face-to-face	00:30	0%	5 / 10	CG8 CG6
16	Final Exam progressive assessment: Listenings: gap filling, diagram completion. Scaffolding diagram and visual representation out of a TELECOM listening using ICT.	Written test	Face-to-face	02:00	40%	5 / 10	CG6 CG8

8.1.2. Global examination

Week	Description	Modality	Type	Duration	Weight	Minimum grade	Evaluated skills
------	-------------	----------	------	----------	--------	---------------	------------------

17	WRITTEN EXAM Listening Test+ Questionnaire on the contents, linguistic and discursive elements of the programme + Prject presentation	Written test	Face-to-face	02:00	70%	5 / 10	CG6 CG8
17	ORAL PRESENTATION on a telecommunication topic with further questions on their presentation as well as on academic and professional issues related to the course syllabus	Individual presentation	No Presential	01:00	30%	5 / 10	CG6 CG8

8.1.3. Referred (re-sit) examination

Description	Modality	Type	Duration	Weight	Minimum grade	Evaluated skills
WRITTEN EXAM Listening Test+ Questionnaires on the contents, linguistic and discursive elements of the programme	Written test	Face-to-face	02:00	60%	5 / 10	CG6 CG8
ORAL PRESENTATION on a telecommunication topic	Group presentation	Face-to-face	00:01	30%	5 / 10	CG6 CG8
Interview on academic and professional issues related to the course syllabus	Group presentation	Face-to-face	00:30	10%	5 / 10	CG6 CG8

8.2. Assessment criteria

PROGRESSIVE ASSESSMENT:

1. Active participation in workshops, CV presentation and worksheet completion (10%): Students will have to take part actively in these individual and group activities along the semester. These include an individual CV presentation (5%) and worksheets (5%) addressed in every session.

2. Non-recoverable group tasks (50%): These are part of progressive assessment and will be scheduled on a specific date. The purpose is to check syllabus and competence acquisition in different moments of the assessment.

- Corporate Culture: group presentation analyzing the corporate culture of a telecom company **(20%)**

- **Job interview Role play (10%)**

- **Policy Pitch:** group presentation based on sustainability and ethics in telecom companies **(20%)**

3. Written test (40%): Listening based on professional contexts (20%). Reflective questions based on a listening which may include visual representation analysis (20%)

GLOBAL ASSESSMENT

Students who fail to comply with the progressive assessment criteria will perform the group oral presentation on a telecommunication topic and a personal interview on academic and professional issues in order to acquire all the competences of the subject. In addition, there will be a written test as described below.

Ordinary call:

1. Written test (40%): Listening and use of English language test covering the contents of the syllabus. **Each exam part must be passed separately. Failing one of the parts implies retaking the full exam in the extraordinary call.**

2. Oral presentation (30%) on the course topics and in compliance with the guidelines established by the department. The oral presentation will be delivered on the same date as the global exam. Additionally, students will be asked questions on their presentation as well as on academic and professional issues related to the course syllabus to assess preparation of content, correct use of language, vocabulary, fluency and pronunciation, among other aspects. Prior to the exam, students will be informed about dates, assigned timing, rooms and teachers, as well as other issues regarding the delivery of the oral presentations.

Both the written test (Listening+Use of English language tests) and the oral presentation must be PASSED separately to PASS the subject. Failing one of the parts implies retaking the full exam again in the extraordinary call. Students are reminded that plagiarism or copying in any part of the exam implies automatically failing the subject.

Extraordinary call:

1. Written test (60%): Listening **and use of English language tests** covering all the aspects worked on in the course and the contents of the syllabus. Each exam part must be passed separately. Failing one of the parts implies retaking the full exam in the extraordinary call.

2. Oral presentation (30%) on the course topics and in compliance with the guidelines established by the department. The oral presentation will be delivered on the same date as the global exam. Prior to the exam, students will be informed about dates, assigned timing, rooms and teachers, as well as other issues regarding the delivery of the oral presentations.

3. **Interview (10%):** Students will be asked questions on academic and professional issues related to the course syllabus to assess preparation of content, correct use of language, vocabulary, fluency and pronunciation, among other aspects.

Each part (Listening+Use of English language tests+Interview) and the oral presentation must be PASSED separately to PASS the subject.

Students are reminded that plagiarism or copying in any part of the exam implies automatically failing the subject.

Any assessment or submission made may require further oral assessment by the teacher to validate that it has been done by the student on their own, and not by an AI system.

The assessment will check whether students have acquired the competences of the subject. Therefore, the assessment in the extraordinary call will use the same types of assessment techniques that are used in the assessment of the ordinary call (EX, ET, TG, etc.).

IMPORTANT NOTES FOR APPLICATION TO PROGRESSIVE AND GLOBAL ASSESSMENT (both in ORDINARY AND EXTRAORDINARY CALLS):

Students without a B2 level certificate must certify a B2 level of ENGLISH 5 days prior to the global exam; otherwise, they will not be allowed to do the written test. Besides, they will be assessed with a FAIL (4/10) in the progressive assessment tasks until they provide the valid B2 level certificate required in order to pass the course. Once they provide a valid B2 level certificate, their tasks will be re-assessed with the corresponding mark.

Students following global assessment in the ordinary call can only reach 70% of the mark, as the other 30% corresponds to in-class workshops that are non-recoverable. In the extraordinary call students can reach 100% of the mark.

Some tasks and exercises in the written test are open-ended and therefore cannot be given a model answer within a time deadline.

The use of Internet and electronic sources during the ordinary and extraordinary exam is forbidden.

9. Teaching resources

9.1. Teaching resources for the subject

Name	Type	Notes
Badger, Ian & Pete Menzies	Bibliography	(2007): English for Business Life (Advanced). Marshall Cavendish Education. London.
Clandfield, L. & A. Jeffries	Bibliography	(2012): Advanced Coursebook Global. Macmillan.
Cotton, D & S. Robbins	Bibliography	(1993) Business Class. Longman
Comfort, J.	Bibliography	(2001): Effective Presentations, Student's Book. Oxford Business English Skills. Oxford University Press.
Comfort, J., P. Rogerson, T. Stott & D. Utley	Bibliography	(1999): Speaking Effectively. Cambridge University Press
De Chazal, E. & J. Moore	Bibliography	(2013) Oxford EAP Advanced/C1. A course in English for Academic Purposes. Oxford University Press.
Grussendorf, M.	Bibliography	(2007): English for Presentations. Oxford University Press
Gurak, L. J.	Bibliography	(2000): Oral presentations for technical communication. Pearson Ed. Allyn & Bacon Series.
Hughes, J & Mallet, A.	Bibliography	(2012): Successful Presentations. Video Course. Oxford
Hughes, J & Mallet, A.	Bibliography	(2013): Successful Meetings. Video Course. Oxford
King, D.	Bibliography	(2008): Meetings. Delta Publishing
Lowe, S.	Bibliography	(2004). Telephoning (Self-Study Guide and 2CDs). Delta Publishing

Lowe, S.	Bibliography	(2005): Presenting (with audio CD) Delta Publishing.
Powell, M.	Bibliography	(2002): Presenting in English. How to give successful presentations. Thomson.
Remacha Esteras, S.	Bibliography	(2007): Professional English in Use. Cambridge University Press.
Sweeney, S.	Bibliography	(2004): Communicating in Business"Cambridge University Press.
Williams, E.J.	Bibliography	(2008): Presentations in English. Find your voice as a presenter. MacMillan.
Beaumont, D.& C. Granger	Others	(1989): The Heinemann English Grammar. Heinemann. London.
Collins Cobuild English Grammar.	Others	(1990). Birmingham University International Language Database. Collins ELT.
De Devitiis, L. Mariani & K. O'Malley	Others	(1989): English Grammar for Communication. Longman.
Duque, M.M., Ibáñez, A. y Ramos, E.	Others	(1991): Gramática de la lengua inglesa. ETSIT. Madrid.
Thomson, A.J. & A. V. Martinet	Others	(1986): A Practical English Grammar. OUP
Wordreference Dictionaries	Web resource	http://www.wordreference.com/
Oxford Collocations Dictionary	Web resource	http://oxforddictionary.so8848.com/
Linguee	Web resource	http://www.linguee.es/
Merriam Webster Dictionary	Web resource	http://www.merriam-webster.com/
Oxford Learners Dictionary	Web resource	http://www.oxfordlearnersdictionaries.com/
English Grammar and Vocabulary	Web resource	http://www.nonstopenglish.com/Default-001.aspx
Breaking News (listening)	Web resource	http://www.breakingnewsenglish.com/
BBC	Web resource	http://www.bbc.co.uk/
TED Talks	Web resource	http://www.ted.com/talks
Hughes, D. & Benedict P.	Bibliography	(2000): The Oxford Union Guide to Successful Public Speaking. Virgin Books Ltd. London

Reinhart, S.M.	Bibliography	(2002). Giving Academic Presentations. Michigan Series in English for Academic and Professional Purposes.
Recorded material (lectures and/or presentations) elaborated by the department staff	Others	The recorded material will be subject to a CC license.
Cambridge Dictionary	Web resource	Pronunciation and phonetics of words https://dictionary.cambridge.org/es/pronunciación/ingles/ https://dictionary.cambridge.org/dictionary/english-spanish/
COLLINS Electronic Dictionary	Web resource	https://www.collinsdictionary.com/es/diccionario/ingles-tesauro
Macmillan Dictionary	Web resource	To check pronunciation and meaning https://www.macmillandictionary.com/dictionary/
Speech ACE	Web resource	To check and practice pronunciation and also to score your speech performance https://app.speechace.co/placement/
Gamma AI	Web resource	AI used to elaborate Professional presentations. https://gamma.app/
Canva AI	Web resource	Herramienta para la elaboración de material visual y multimedia. https://www.canva.com/es_es/generador-imagenes-ia/
ElsaSpeak	Web resource	IA the voz generativa para trabajar habilidades de comprensión y expresión oral. https://elsaspeak.com/es/

10. Other information

10.1. Other information about the subject

The proposed schedule is a preliminary planning and is subject to changes during the course.

Accredited B2 level in English according to the Common European Framework of Reference for Languages is a MANDATORY REQUIREMENT to pass this course. Students are allowed to enrol in case they possess a B1 level certification but they need to obtain a B2 level certification during the semester and provide a B2 level official certificate up to 5 days before the written exam. These rules apply to progressive and global assessment both in the ordinary and extraordinary calls.

Language used for teaching: All the activities (lectures, debates, discussions, presentations, exercises, listenings, etc.) of the subject will be held in English.

Communication of students with teachers. Students will communicate with their lecturers preferably via e-mail. Teachers will try to provide an answer within a maximum period of 72 hours (week-ends and holidays excluded). Students are encouraged to use their corporate e-mail address (@alumnos.upm.es). When necessary, periodical communication will be held with class delegates to have a follow up on the course.

Platforms. The platform used for teacher-student interaction will be Moodle. Tasks should be delivered through this platform (rather than e-mail). For on-line tutorials, the preferred platform will be ZOOM.

Sustainable Development Goals. Along the present course the following Sustainable Development Goals will be discussed.

SDGs N° 4 on Education, N° 5 on Gender Equality, N° 7 on Energy, N° 9 on Industry, innovation and infrastructures, and N° 13 on Climate Change will be dealt with in units 1 and 4. The activities include:

1- Providing content related to corporate cultures of telecommunication companies and job search with a special focus on green companies (SDGG 13) and gender equality (SDG 5), and applying them in the Task "Research and analysis on corporate cultures of telecommunication companies".

2.- Increasing the number of citizens with the necessary technical and professional competences to access a fair and decent employment and entrepreneurship (SDG 4)

SDGs N° 3 on Health, N°4 on Education, N° 7 on Energy, N° 9 on Industry, innovation and infrastructures, N° 11 on sustainable and smart cities, and N° 13 on Climate Change will be studied and applied in UNIT 3 related to Oral

Presentations on Telecommunication topics by:

1. Providing students with a list of topics related to the aforementioned SDGs so that their oral presentations will be elaborated addressing to contribute to some of these SDGs. Some of the related topics, among other ones are the following:

- The Agenda 2030 of United Nations and the 17 Sustainable Development Goals
- The application of robots to innovate in medicine
- The application of Information and Communication Tools to improve and achieve a sustainable health care system, or to contribute to face and emergency situations, or their applications to innovate in the agriculture and education sectors, with special focus on less developed communities, etc.
- Electronic waste and how to reduce its effects to mitigate climate change and health risks.
- Programmed obsolescence of technological devices and its effects on society
- Smart buildings and smart cities leading to more sustainable buildings and cities
- Big data to improve and innovate production systems in the industry sector, the healthcare system, etc.
- The Internet of Things and its innovative applications in society.

Working in groups, students will select and prepare one of the topics provided to be delivered in class, so that all students will also learn from other groups about the different SDGs included in the oral presentations.

2- Enabling all students to be able to acquire enough technical and professional knowledge to promote sustainable development as students and future professionals (SDG 4)

3- Enhancing education and sensitization on personal and institutional skills to mitigate and be adapted to the climate change, to reduce its effects and to be aware of it early.

