	DISTRITAL FRANCISCO JOSÉ DE CALDAS UNIVERSITY **ENGINEERING FACULTY** SYLLABUS **CURRICULUM PROJECT** **ELECTRONIC ENGINEERING**

PROFESSOR NAME:

ACADEMIC SPACE (Subject): **SECOND LANGUAGE: ENGLISH III** **Mandatory (X) : Basic ( ) Complementary (X)** **Elective ( ) : Intrinsic ( ) Extrinsic ( )**	**CODE NUMBER: 48**
NUMBER OF STUDENTS:	**GROUP:**

NUMBER OF CREDITS: 2

COURSE TYPE: **THEORETICAL** [X] **PRACTICAL** [ ] **BOTH:** [ ]

Methodology:

Master Class (X), Seminar ( ), Seminar - Workshop ( ), Workshop (X), Practices (X), Directed Projects ( ), Other: __E-LEARNING_____

SCHEDULE

DAY	HOURS	CLASSROOM
Monday **Tuesday** **Wednesday** **Thursday** **Friday**		

I. JUSTIFICATION

In these times of globalization, the country needs to develop the capacity of its people to handle at least one foreign language.

With the common European and national and international benchmark, the program aims to increase the communicative competence in English in the entire education system and strengthen the national competitiveness. In this task, the teachers and

educational institutions, public and private, from all levels that are part of the system: from kindergarten to the college, play a special role.

Our economy is increasingly integrated with international markets. A second language is a necessary vehicle to benefit advantages offered, such as free trade agreements. To speak the English language is invaluable to the business and professional development of a person. The best job opportunities, from employment with the average wage to the highest executive levels, require good domain of the English language: the administrative staff, machines, techniques used, and books, among others, are expressed in English and the engineer should be able to understand and write them.

This third part of the second Language subject aims to prepare the students for the proper writing of papers, projects and other, in order to document the researches.

The 'Second Language: English III' Subject belongs to the Complementary – Mandatory area according to the 2009 – III curriculum.

PREREQUISITES: SECOND LANGUAGE: ENGLISH II

CO REQUISITE: NONE

II. CONTENT

MAIN OBJECTIVE

Learn the proper way to document a project, research, among others.

SPECIFIC OBJECTIVES

- Introduce the student in the knowledge of technical words from specific subjects such as basic engineering subjects, professional formation subjects, etc.
- Learn to use concept questions as skeleton plan for short talks.
- Use the present simple and the past simple tenses to report results of lab projects and engineering reports with a correct scientific redaction.
- Learn the parts of a written report and what must contain.
- Get abilities to speak about the professional life of the engineering student.

SKILLS TRAINING:

The electronic engineering student of the Distrital University should include in his professional formation the learning of a second language besides their native one, developing skills of context, basic skills (related with the comprehension of the language) and work skills. In this order of ideas, one of the most important skills in the relation of the engineer with their colleagues is to have interchange of knowledge between the engineers of all over the world. Because of the administrative staff, machines, techniques used, and books, among others, are expressed in English, this language allow the student the interaction of his basic abilities in the main fields of action of the electronic engineering.

Skills of context

1. Understanding of the social, cultural and economic context.
2. Assessment the productive work.

Basic Skills

3. Communication skills (interpretive, communicative and proactive).
4. Text comprehension in a second language.
5. Critical and analytical thinking.
6. Logical-space.

Work Skills

1. Ability to work as a team.
2. Ability to express similarities and differences.

Cognitive skills

1. Learn the general management of the most important technical vocabulary that is used in electronic engineering depending of the area and the subject of interesting that it requires to work.
2. Learn to use the concept questions in order to the students create answers rather than simply to recall something or to activate an algorithm, for instance a short talk.
3. Make papers and other types of writing formats that report the results of an engineering project concerning to a specific subject.
4. Identify the main parts of a scientific paper to make an article related to a research project or project own degree of electronic engineering.

Investigative competences.

5. Read, interpret and write correctly scientific journals, texts of investigative production, scientific papers that are written in English and get the main information that support the theoretical information to the future production research.

6. Make manuals of electronics equipments and to other kind of electronic systems, developed in grade projects, which allow the English speaker and user the appropriate use and configuration of them.
7. Acquire abilities to the interchange of ideas with other members of the engineer community who work in other parts of the world, and that have possible investigation projects to its later development in the student exchange program.

SYNTHETIC PROGRAM

Writing an Introduction

- Establish the importance of your topic
  - Content
  - Language
- Provide Background Information
  - Content
  - Language
- Identify the gap in your research area
  - Content
  - Language
- Describe your work
  - Content
  - Language

Writing about methodology and the experiments

- Overview of the section
- Provide specific and precise details about materials and methods
- Relate materials and methods to other studies
- Indicate where problems occurred

Writing (reporting) results

- Revisiting the research aim/ existing research
- Comparisons with results in other research
- Problems with results
- Possible implications of results

Writing the conclusions

- Summarising general or key results
- Mapping relationship to existing research
- Achievement/Contribution
- Limitations and current and future work

Writing an abstract

- Background aim
- Methodology/Materials
- Results/Achievement
- Applications
- Limitations and future work

III. STRATEGIES

Didactic and pedagogic methodology:

a. The course is taught through master classes by using classroom resources, photocopiable and electronic material, audio recorder, and Internet links that will assess student performance throughout the course. Moreover the subject will be supplemented with:

- Use and analysis of specific texts related to electronic engineering.
- Presentation of English grammar topics.
- Work and Group Discussion.
- Guidance on practical work.
- Use of English / Spanish dictionary.
- Preparation of glossaries.

b. The teacher requests to the students the previous reading of the material class.

c. Motivation to the intensive consultations and diverse internet material, magazines, encyclopedias and related texts as well as expositions and didactic activities on them, by students, individually and in groups. It is essential that some topics of the course will be developed or deepened to the own student.

d. The students will solve quick tests along the course as part of the evaluation process, as well as weekly homework, including the internet links, which will allow the student to gain the basic communicative skills of speaking, reading, listening and writing about their professional life in the English language.

e. The student group will realize two oral projects with their respective oral feedback from members of the class, where there will be direct interaction with them, which can demonstrate sufficient fluency in the use of conversational English.

f. The final exam of the course will be realized similarly to the IELTS (*International English Language Testing System*) this test includes four main components: reading, use of English, writing and listening test.

Current weekly hours

	Hours			Teacher hours/week	Student hours /week	Total Hours Student/semester	Credits
Type of course	CW	CoW	SE	CW	(CW+CoW+SE)	X 16 weeks	
T	2	4	4	2	10	160	2

Classroom Work (CW): classroom work meeting of all students.

Cooperative Work (CoW): tutoring job teaching small groups or individually to students. Self-Employment (SE): Student work without the presence of the teacher that can be done at different levels: working in groups or individually, at home or in library, laboratory, etc.).

IV. RESOURCES

The resources used in the course of SECOND LANGUAGE III are essentially the classroom with its own board and markers, the photocopied material and books provided by the ILUD, the links where the information relevant to the work at home audio recorder that enables listening exercises, books, magazines, scientific articles and manuals for electronic equipment with the technical vocabulary required. In addition, you can use visual aids such as videos or movies in English that illustrate the use of English by the engineering professional.

BIBLIOGRAPHY

- UPSTREAM – STUDENT'S BOOK
- UPSTREAM – ADVANCED STUDENT'S BOOK
- UPSTREAM – PROFIENCY STUDENT'S BOOK
- UPSTREAM – TEST BOOKLET ADVANCED
- UPSTREAM – TEST BOOKLET PROFIENCY
- OBJECTIVE FIRST CERTIFICATE – WORKBOOK
- FCE DIARY SPRATT
- LET´S TALK 1 – STUDENT'S BOOK 1
- LET'S TALK 1 – STUDENT´S BOOK 2
- NEW INTERCHANGE – VIDEO SOURCE
- NEW INTERCHANGE – VIDEO ACTIVITY BOOK NO 1 RED
- ADVANCED ENGLISH CAE

ADDITIONAL BIBLIOGRAPHY

- NATIONAL ENGLISH – UPPER INTERMEDIATE
- UNDERSTANDING SECOND LANGUAGE – ROD ELLIS
- THE GODFATHER
- THE BLACKCAT
- THE GO – BETWEEN
- ACQUISITION SECOND LANGUAGE – JACK RICHARDS AND DAVID NUNAN
- DANTE'S PERAK

MAGAZINES
• NATIONAL GEOGRAPHIC – 13 • NEWS WEEK – 4 • NEW YORK TIMES – 1 • THE SUNDAY TIMES • POPULAR MECHANICS • POPULAR SCIENCE • DIGITAL • ENGLISH BRITAIN
INTERNET LINKS
www.**ieee**.org/documents/TRANS-JOUR.doc **http://www.essaytown.com/writing/write-methodology-chapter-dissertation-thesis** www.rcjournal.com/contents/10.04/10.04.1229.pdf **http://www.unc.edu/depts/wcweb/handouts/abstracts.html** **http://www.ruf.rice.edu/~bioslabs/tools/report/reporterror.html** **http://www.ccc.commnet.edu/mla/index.shtml http://mason.gmu.edu/~montecin/writ-pap.htm http://www.statpac.com/research-papers/research-proposal.htm**

V. ORGANIZATION/ TIMES

WEEK PROGRAM: Includes the themes covered in class each week. The allocation of weekly activities. The assignment of oral projects. Each assignment of activities will be complemented by independent work by the student on the links published on the ILUD web site.

First Week	Presentation of topics, methodology, evaluation, and bibliography. Presentation of the students. Preliminary Reading: Scientific paper of some theme.	*1 Session*
Second Week	Review of the tenses grammar structures: Simple Present, present progressive; Simple Past, past progressive; Present perfect; Future. Assigned homework: Build sentences using the main tenses and technical vocabulary.	*1 Session*

Third Week	Review of grammar for questions: Basic forms, direct questions to clarify results for classroom lessons. Discourse markers to give coherence in the scientific redaction. Assigned homework: Make a short newspaper article using technical vocabulary related with electronic.	*1 Session*
Fourth Week	Introduction to the scientific writing. Most important parts of a scientific article (IEEE format). Explanation of each one: Introduction. Methodology. Experimental Results. Analysis and report of results. Conclusions. References and Abstract.	*1 Session*
Fifth Week	Writing an introduction. Main characteristics of its redaction. Importance of the introduction in research production. First assigned written work: Elaboration of a scientific article (first part: Introduction).	*1 Session*
Sixth and Seventh	Exposure to the teacher the first part of the project: Introduction article. Suggestions, possible corrections and questions.	*2 Sessions*
Eighth Week	Writing about methodology and experimental description. Assigned homework: Reading a proposed methodology for the making of a project related with electronic engineering.	*1 Session*
Ninth Week	Revision and discussion of the assigned activity. Brief exposure of the methodological process chosen by the student.	*1 Session*
Tenth Week	Writing analysis of results and status report. Add methodology, report and analysis of results to the current scientific project article.	*1 Session*
Eleventh Week	Allocation of current project presentation (Scientific paper): Introduction (background of the research project), methodology, review and analysis of results.	*1 Session*
Twelfth and Thirteenth Weeks	Revision of the assigned activity (scientific paper on possible draft grade). Suggestions, corrections and questions.	*2 Sessions*
Fourteenth	Writing the conclusions. Assigned homework: Review of	*1*

Week	scientific magazines or internet articles the general structure in order to elaborate conclusions.	*Session*
Fifteenth Week	Writing an abstract. General topics. Final assignation: scientific article in its entirety.	*1 Session*
Sixteenth Week	Preparation for the final exam. Solution of doubts and questions	*1 Session*
Final Test	Final assessment (Type IELTS)	*1 Session*

VI. EVALUATION

	TYPE OF EVALUATION	DATE	PERCENT
FIRST NOTE	**First oral Project assignment. Assigned homeworks. Autonomous work.**	**Seventh week**	**35%**
SECOND NOTE	**Second oral Project assignment. Assigned homeworks. Autonomous work.**	**Thirteenth week**	**35%**
FINAL TEST	**Final assessment (Type IELTS)**	**Sixteenth Week**	**30%**

ISSUES IN EVALUATING THE COURSE

1. Teacher performance assessment.
2. Assessment of student learning in their dimensions: individual / group theory / practice, oral / written.
3. Self-assessment.

PROFESSOR'S DATA			
NAME :			
NAME	**SIGNATURE**	**CODE**	**DATE**
1. **2.** **3.**			
PROFESSOR'S SIGNATURE			

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