Teaching guide

IDENTIFICATION DETAILS

Degree:	Computer Engineering

Field of Knowledge:	Engineering and Architecture

Faculty/School:	Senior Polytechnic School

Course:	LANGUAGE PROCESSORS

Type:	Compulsory	ECTS credits:	6

Year:	4	Code:	3639

Teaching period:	Eighth semester

Area:	Computing

Module:	Specific Technology

Teaching type:	Classroom-based

Language:	Spanish

Total number of student study hours:	150

SUBJECT DESCRIPTION

This course deals with the issue of constructing compilers and similar language processing programs. The study of compilers focuses on all the stages involved in the process of analysing a source program and translating it into written machine or assembly code for subsequent use.

SKILLS

Basic Skills

Students must have demonstrated knowledge and understanding in an area of study that is founded on general

secondary education. Moreover, the area of study is typically at a level that includes certain aspects implying knowledge at the forefront of its field of study, albeit supported by advanced textbooks

Students must be able to apply their knowledge to their work or vocation in a professional manner and possess skills that can typically be demonstrated by coming up with and sustaining arguments and solving problems within their field of study

Students must have the ability to gather and interpret relevant data (usually within their field of study) in order to make judgments that include reflections on pertinent social, scientific or ethical issues

Students must be able to convey information, ideas, problems and solutions to both an expert and non-expert audience

Students must have developed the learning skills needed to undertake further study with a high degree of independence

General Skills

An ability to conceive and develop computer systems or architectures that are centralised or distributed, integrating hardware, software and networks.

Specific skills

Familiarity with the theoretical foundations of programming languages and associated lexical, syntactic and semantic processing techniques, and an ability to apply them to create, design and process languages.

DISTRIBUTION OF WORK TIME

CLASSROOM-BASED ACTIVITY	INDEPENDENT STUDY/OUT-OF-CLASSROOM ACTIVITY
69 hours	81 hours