Centre	University College of Engineering of Vitoria-Gasteiz
Name of subject	26038 – Software Quality Control and Assurance
Qualification	Degree in Computer Management and Information Systems Engineering
Type	Elective
Credits	4.5 ECTS
Year	4
Term(s)	1st
Department	Computer Languages and Systems
Language	Spanish

Outcomes / Objectives

The objective of this subject is for students to learn to manage a computer project with a focus on the quality of the software product (ISO/IEC 9126) and the management of the software process (CMM model). Students will be provided with a small functional software application that they must improve in terms of a number of characteristics in a set time. The project will be perfectly defined with the elaboration of a contract.

Syllabus

Introduction. Quality control in systems. Software metrics. Quality standards and models.

Methodology

Teaching Method

Face-to-Face Teaching Hours

Lectures	Seminars	Classroom practice	Lab. practice	Computer sessions	Clinical practice	Workshops	Industrial workshops	Field practice
30			15					

Student Hours of Non Face-To-Face Activities

Lectures	Seminars	Classroom practice	Lab. practice	Computer sessions	Clinical practice	Workshops	Industrial workshops	Field practice
35			32,5					

Bibliography

Basic Bibliography

➢ Control de Calidad en los Sistemas elaborado por Departamento de Control de Calidad y Auditoría Informática

➢ Visión Global CMM elaborado por la empresa Profit

Websites

➢ http://es.wikipedia.org/wiki/ISO_9126

➢ http://es.wikipedia.org/wiki/SW-CMM

➢ http://www.sei.cmu.edu/cmm/