Universida_{de}Vigo

IDENTIFYING DATA
Final Year Dissertation

Subject	Final Year Dissertation			
Code	O06G151V01991			
Study programme	Grado en Ingeniería Informática			
Descriptors	ECTS Credits	Choose	Year	Quadmester
	12	Mandatory	4th	2nd
Teaching language	#EnglishFriendly Spanish Galician			
Department				
Coordinator	Laza Fidalgo, Rosalia			
Lecturers				
E-mail				
Web	http://http://www.esei.uvigo.es/			
General description	The work of end of degree is a personal work that each student will realize of autonomous way under mentoring teaching, and owes to allowed show of form integrated the acquisition of the contained formative and the competitions associated to the title. The English uses in general to level of the documentation employee put students stop the development of the work			

Training and Learning Results

Code	
A5	Students will acquire the learning skills that are required to pursue further studies with a high degree of independence.
B1	Ability to conceive, write, organize, plan, develop and sign projects in the field of computing engineering whose aim is, according to the acquired knowledge and training, the design, development and exploitation of computing systems, services and applications.
B3	Ability to design, develop, assess and ensure accessibility, ergonomics, usability and safety of computing systems, services and applications, as well as the information managed by them.
B5	Ability to conceive, develop and maintain computing systems, services and applications through use of software engineering methods as tools to ensure quality, according to the knowledge and training acquired.
B6	Ability to conceive and develop centralized or distributed computing systems and architectures, integrating hardware, software and networks, according to the knowledge and training acquired.
B7	Ability to learn, understand and apply the necessary legislation during professional practice as a Computer Science Engineer and to use the relevant binding specifications, regulations and norms.
B8	Knowledge of the essential subjects and technologies that will allow students to learn and develop new methods and technologies, as well as those that will endow them with versatility to adapt to new situations.
B9	Ability to solve problems by taking the initiative, making decisions and acting independently and creatively. Ability to communicate the knowledge contents, skills and abilities of the Computer Science Engineer profession.
B10	Ability to carry out measurements, calculus, assessments, valuations, expert□s reports, studies, reports, task planning and other analogous computing jobs, according to the knowledge and training acquired.
B11	Ability to analyze and assess the social and environmental impact of technical solutions, being aware of the ethical and professional responsibilities involved in the professional practice of a Computer Science Engineer.
C12	Knowledge and application of basic algorithmic procedures of computer technologies to design solutions to problems, analyzing the appropriacy and complexity of the proposed algorithms.
C13	Knowledge, design and efficient use of the most appropriate data structures and types for the resolution of a problem.
C14	Ability to analyze, design, build and maintain applications in a robust, safe and efficient way, choosing the most appropriate paradigm and programming languages.
C22	Knowledge and application of the principles, methodologies and life cycles of software engineering.
C23	Ability to design and assess human-computer interfaces to guarantee accessibility and usability of computer systems, services and applications.
C26	Ability to assess clients□ needs and determine the software requirements to satisfy these needs, reconciling conflicting goals through attempts to reach acceptable compromises within the limits imposed by costs, available times, existing developed systems and organizations themselves.

C28	Ability to identify and analyze problems and design, develop, implement, verify and document software solutions on the basis of sound knowledge of the theories, models and techniques available nowadays.
C30	Ability to design appropriate solutions in one or more domains of application by using methods of software engineering that include ethical, social, legal and economic issues.
D4	Analysis, synthesis and evaluation capacity
D5	Organizational and planning skills
D6	Ability to abstract: ability to create and use models that reflect real situations
D8	Ability to work in situations of lack of information and / or under pressure
D11	Critical thinking
D13	Entrepreneurial spirit and professional ambition
D14	Have motivation for quality and continuous improvement

Expected results from this subject

Expected results from this subject	Training and Learning Results			
RA2: Manufacture by heart of projects in the that collect : antecedents, problematic or state of the art, objective, phases of the project, development of the project, conclusions and future lines.	A5	B1 B3 B7 B9 B11	C22 C23 C28	D4
RA3: Design of prototypes, programs of simulación, etc, by specifications	A5	B1 B3 B5 B6 B7 B8 B9 B10	C12 C13 C14 C22 C23 C26 C30	D5 D6 D8 D11 D13 D14

Contents

Topic
Following the recommendations of the Council of ------
Universities stop the design of plans of study of
Degree in Engineering Computing (resolution of
8/6/2009, BOE 4/8/2009): "Original exercise to
realize individually and present and defend in
front of a university court, consistent in a proyect
in him field of wools tecnologies specific of wool
in Computing Enginering of naturaleza
professional in him that synthesize and integrate
wools competitions purchased in wools teaching".

Planning

	Class hours	Hours outside the classroom	Total hours
Mentored work	24	0	24
Project based learning	0	275	275
Essay	1	0	1

*The information in the planning table is for guidance only and does not take into account the heterogeneity of the students.

Methodologies

	Description
Mentored work	Titor with the teaching staff titor of the TFG.
Project based learning	Development of the work of end of degree of individual form. It corresponds to the autonomous work of the/of the student/it.

Personalized assistance

Methodologies	Description
Mentored work	Titor with the teaching staff titor of the TFG to resolve doubts, problems, or any another question that present.

Assessment

Description	Qualification	Training and Learning Results

Essay	1. The Court will assign 100% of the grade of the TFG, according to the rubric approved in the regulations of TFG for the degree of Degree in Computer Engineering.	100	A5	B1	C12	D4
				B3	C13	D5
				B5	C14	D6
	2. Plagiarism, understanding as such the presentation as own of a work carried out by another person, or as the copy of texts without citing its origin, will entail the responsibilities that could have incurred the students who plagiarize. The evaluation panel will be responsible for reporting on these activities in the manner established by the regulations of the University of Vigo and for interpreting and assessing the magnitude of plagiarism and its reflection in the final grade that may involve, if the Court so decides, the numerical rating of zero in matter.			B6	C22	D8
				B7	C23	D11
				B8	C26	
				B9	C28	
				B10	C30	
				B11		
	Evaluated learning outcomes: RA1, RA2, RA3.					

Other comments on the Evaluation

DATES OF PRESENTATION IN THE DIFFERENT CALLS END OF CAREER CALL

The defense period will take place from November 20-23, 2023.

CALL FOR THE FIRST PERIOD

The defense period will take place from February 22-29, 2024.

CALL SECOND PERIOD

The defense period will run from July 1-4, 2024.

CALL FOR SECOND OPPORTUNITY

The defense period will be held from September 9-12, 2024.

PERMANENT CALL

Defence period during the whole academic year, deadline 12 September 2024.

All submission dates listed in the evaluation system are those approved by the ESEI Center Board. In case of error in transcribing them, the valid one is the one officially approved and published in the calendar of presentation and defense of TFG of the ESEI.

Sources of information
Basic Bibliography
Complementary Bibliography

Recommendations

Other comments
In order to pass the final project, it is necessary to have passed all the other subjects of the degree.