

Internship

Academic Year: (2021 / 2022)

Review date: 07-06-2021

Department assigned to the subject: Computer Science and Engineering Department

Coordinating teacher: TOLEDO HERAS, MARIA PAULA DE

Type: Compulsory ECTS Credits : 6.0

Year : 1 Semester : 2

REQUIREMENTS (SUBJECTS THAT ARE ASSUMED TO BE KNOWN)

No pre-requisites

OBJECTIVES

Competences

- Ability to apply acquired knowledge to problem solving in new or less known environments related to their area of expertise
- Ability to communicate to specialized and non specialized public
- Ability to cope in a real work environment
- Ability to involve in continuous education and independent learning
- Ability to understand and apply methods and development technologies in the scope of computer science to the financial sector
- Writing ability, ability to produce a technical report
- Understand main concepts associated to financial markets
- Analyze and evaluate information and communication technologies applied to the financial sector
- Ability to develop financial software
- Ability to implement classic algorithms in the financial markets sector following appropriate standards and procedures
- Analyze and understand the key tools for the management of large data volumes, their storage, access and processing

DESCRIPTION OF CONTENTS: PROGRAMME

180 hour internship at a company, under the supervision of a staff member (tutor en la empresa / company supervisor) and an academic tutor at the university

The job must be directly related to the master key contents, at least to one of the three main topics: Technologies applied to the financial markets, financial software development and Decision Support Systems in the financial sector

LEARNING ACTIVITIES AND METHODOLOGY

150 hours of practice under the supervision of the company supervisor
Tutorships with the academic tutor according to the needs, either face-to-face or remote

30 hours for preparing the final report
Prepare an internship plan to be delivered at the beginning of the internship
Prepare a final report

ASSESSMENT SYSTEM

Report describing the internship 70%
Evaluation report from the company supervisor 20%
Evaluation form the academic supervisor 10%
See the assessment matrix more details

BASIC BIBLIOGRAPHY

- H. Frederick Sweitzer, Mary A. King The Successful Internship: Personal, Professional, and Civic Development in Experiential Learning, Cengage Learning. ISBN-13: 978-1285077192, 2013

ADDITIONAL BIBLIOGRAPHY

- Lauren Berger All All Work, No Pay: Finding an Internship, Building Your Resume, Making Connections, and Gaining Job Experience, Lauren Berger, 2012
- WetFeet.com (Firm). Getting your ideal internship, WetFeet c2008. ISBN 1-58207-831-9, 2008

BASIC ELECTRONIC RESOURCES

- Bryan Weis . How I landed an internship at a top fintech startup in NYC: <https://medium.com/@weis/how-i-landed-an-internship-at-a-top-fintech-startup-in-nyc-ec11ec919eee>