Master's Thesis

Academic Year: (2019 / 2020) **Review date: 25-02-2019**

Department assigned to the subject:

Coordinating teacher: NAVIA VAZQUEZ, ANGEL

Type: ECTS Credits : 12.0

Year : 1 Semester : 2

REQUIREMENTS (SUBJECTS THAT ARE ASSUMED TO BE KNOWN)

The students need to have passed 8 subjects.

OBJECTIVES

Know and understand contents that provide a basis or opportunity for originality in developing and/or applying ideas, often within a research context.

Apply acquired knowledge and abilities to solve problems in new or unfamiliar environments within broader (or multidisciplinary) contexts related to their field of study.

Communicate their conclusions and the knowledge and rationale underpinning these, to all kinds of audiences in a clear and unambiguous way.

Possessing learning skills that will enable them to continue studying in a way that will be largely self-directed or autonomous.

Systematically understand a field of study and master the skills and methods of research associated with that field

Conceive, design or create, implement and adapt a substantial process of research or creation with academic rigor

Contribute to the expansion of the frontiers of knowledge through original research which merits international refereed publication

Communicate with the academic and scientific community and society in general about their areas of expertise in the ways and languages commonly used in his/her scientific community

Perform a critical analysis of technical and scientific documents in the field of Signal Processing and Communications

Possess a comprehensive overview of the state of the art technology in the field of Signal Processing and Communications, as well as an analysis of future prospects

Develop an original project in a specific field of Signal Processing and Communications, including the preparation and its exposition and defense

Ability to apply knowledge of mathematics, statistics and science to the problems of Signal Processing and Communications

Possessing the skills to design and conduct experiments and analyze and interpret the resulting data

DESCRIPTION OF CONTENTS: PROGRAMME

The Master's Thesis consists of the elaboration of a research work in Signal Processing, Multimedia and Communications and the presentation in public of the main results. The student must also write a report of the work in either English or Spanish.

LEARNING ACTIVITIES AND METHODOLOGY

The student develops his Master Thesis work under the supervision of a professor of the program, which will suggest the methodology to follow and mentoring mechanisms.

<A HREF="http://www.uc3m.es/ss/Satellite?blobcol=urldata&blobheader=application%2Fpdf&blobheadername1=Content-Disposition&blobheadername2=Cache-Control&blobheadervalue1=attachment%3B+filename%3D%22Normativa_TFM.pdf%22&blobheadervalue2=private&blobkey=id&blobtable=MungoBlobs&blobwhere=1371547093133&ssbinary=true">General rules Master´s Thesis </A>
<A HREF="https://www.uc3m.es/ss/Satellite?blobcol=urldata&blobheader=application%2Fpdf&blobheadername1=Content-Disposition&blobheadername2=Cache-Control&blobheadervalue1=attachment%3B+filename%3D%22Master%27s_Thesis_rules_-_Master_in_Multimedia_y_Communications.pdf%22&blobheadervalue2=private&blobkey=id&blobtable=MungoBlobs&blobwhere=1371557378468&ssbinary=true ">Specific rules Master´s Thesis</A>

ASSESSMENT SYSTEM

The Master's Thesis will be presented in a court of evaluation and must explain and defend the results.

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