

EXTERNAL TUTOR'S REPORT

The aim of this report is to allow external tutors to give their assessment of the MASTER'S THESIS completed by students. It will also be of great use to the examination panel when it awards a final mark. It will likewise serve to gauge the extent to which our courses meet the requirements of the current job market.

You are therefore asked to fill in this report when students have completed their MASTER'S THESIS, and to send it to the academic secretary of the ETSECCPB by e-mail (masters.camins@upc.edu) or to the ETSECCPB by post (C/ Jordi Girona 1-3, 08034 Barcelona).

External tutor's details

Name and surname/s	Eduardo Martín Santos
Company/institution	IDIADA Automotive Technology S.A.

Internal tutor's details

Name and surname/s	Sergio Oller Martínez, Lucía Gratiela Barbu
Department	

Student's details

Name and surname/s	Ana Salas Ordóñez
Official degree	Master of Numerical Methods on Engineering
TFM code	1435
Title of the MASTER'S THESIS	Damage and failure modeling of composite materials for the automotive industry.

1. ASSESSMENT OF MASTER'S THESIS COMPLETION

Assessment: on a scale from 1 (disagree) to 5 (totally agree)						
1.1	The student's undertaking was highly appropriate.	1	2	3	4	5
1.2	The student made positive progress in terms of creativity in writing the final thesis.	1	2	3	4	5
1.3	The student showed a good attitude in writing the final thesis.	1	2	3	4	5
1.4	The tutorials proved to be useful to the student in writing the final thesis.	1	2	3	4	5
1.5	In general, the student attained the initial goals of the final thesis.	1	2	3	4	5

2. UNIVERSITY-COMPANY RELATIONS

Assessment: on a scale from 1 (disagree) to 5 (totally agree)						
2.1	The interaction with the school's internal tutor was satisfactory.	1	2	3	4	5
2.2	Relations with the ETSECCPB gave great personal satisfaction.	1	2	3	4	5
2.3	Aspects that would improve the information flow and relations between the company (external tutor) and the ETSECCPB: In this project, a monthly meeting was carried on with the internal tutors. Considering the type of project and the working load due to ongoing projects, it was found a good practice, which allowed the performance of the work with no problems, except in the viewing of results, due to software and confidentiality issues. In order to take a better profit for next projects, I would recommend two improvements: - The creation of a sharing method for files, like an ftp or similar. - The scheduling of some webex-kind meetings.	1	2	3	4	5

NB: This form only need be attached should the work placement undertaken by the student form part of the MASTER'S THESIS.

3. ASSESSMENT

3.1	MARK awarded to the MASTER'S THESIS (from 1 to 10)	Mark:	9.5
-----	--	-------	-----

4. External tutor's comments for consideration by the examination panel in its assessment of the MASTER'S THESIS

The student has shown great capabilities in the understanding of the problem and in the implementation of the solution. She has shown to be a resolute person in problems not only related with the project itself, as helping to set up the PamCrash with Fortran, learning herself how the sub-routine system works in PamCrash... A good integration with the working methodologies in IDIADA has been observed.

Barcelona, on

16-06-2017

Thank you for your collaboration

External tutor's signature



NB: This form only need be attached should the work placement undertaken by the student form part of the MASTER'S THESIS.