

“Final BA Degree Project (TFG)” elaboration scheme

Conceptualization:

The Final BA Degree Project (TFG) is a compulsory subject with 6 credits (ECTS), which the students must pass it to complete the final learning process and to achieve the degree. Also, we can say that the TFG is an integrative exercise of the training received throughout the degree.

The TFG is a professional document, which demonstrates the implementation of the skills associated with the degree and its ability to develop an autonomous, responsible and comprehensive activity that can take the form of:

- 1) Modality A (Initiation to the investigation).
- 2) Modality B (Educational innovation project).
- 3) Modality C (Critical rehearsal).

Topics:

- Alternative conceptions (misconceptions) in the teaching of science.
- Design and application of flipped-classroom in the teaching of science.
- Influence of emotional/affective dimension in the learning of sciences.
- Use of new teaching methodologies in science education.
- Design of didactic proposals applied to the teaching of scientific contents: project-based learning (PBL), field trips' experiences, virtual reality, etc.
- Design of proposals/formative evaluation tools applied to the teaching of scientific contents.
- Teaching science through English.
- Information and communication technologies (ICTs) in didactic proposals applied to the teaching of scientific contents.
- Field trip applying to teaching in science.
- Design and implementation of innovative approaches to science education.

Information:

University Library: <http://biblioteca.unex.es/utilizar/formacion-de-usuarios.html>

Scopus: <https://www.scopus.com/home.uri>

Science Direct: <https://www.sciencedirect.com>

Google Scholar

Wikipedia

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TFG Structure (Modality B): (8,000 to 10,000 words not counting spaces in a word document)

0. Cover (following the university official format in Appendix 1).
1. Table of Contents (see an example in Appendix 2).
2. Abstract: It should be clear, concise and reflect the full scope of the work. It can be structured in 3 paragraphs. In the first one, there would have a general introduction of the TFG (What is my TFG/modality). In the second one, the general objectives of the work would be described (in a general way) and how they will be achieved. In the third one, the main results obtained and some general conclusions will be explained. All texts are 300 words maximum.
3. Spanish Abstract (same format as abstract aforementioned).
4. Keywords (see Thesaurus).
5. Palabras claves (same format as keywords aforementioned).
6. Introduction: It is a short section (1 or 2 pages), in which the selected topic is introduced. It could be structured in the following parts:
 - a) Describe the selected topic, detailing its structure (e.g. a justification in which you frame misconceptions in primary education, a theoretical framework in which you describe different approaches to overcome misconceptions, etc.).
 - b) Justify the selected TFG modality (why are you interested in?).
7. Justification: In this section, also being brief (1 or 2 pages), it is necessary to clarify the selection of the topic, that is, what motivation you have had to carry this TFG. You also have to understand which competences, from those acquired during the whole studies, and you have put into the practice in the development of the TFG.
8. Theoretical framework:
 - a) Theoretical framework related to the previous ideas and conceptual alternations. It is necessary to make a general review on the subject/topic proposed.
 - b) Theoretical framework related to my topic: are there previous studies that have worked in the same topic? What have they concluded?
 - c) How the contents of the official curriculum are framed.
9. Research objectives: Describe clearly what are the objectives of my TFG (not the objectives of the intervention).
10. Intervention design: Write in detail all the aspects related to the intervention (didactic objectives, organization, sequencing, etc. what you have done and how you have done it). Include a section on the methodology.
11. Intervention development: Describe results carried out, commenting and/or discussing how its development has been. Include a section on the results and discussion.
12. Conclusions: Clearly conclude my study. If you had to repeat the TFG, what would you change or improve? It is important to include the limitations of my study.
13. References (following the format suggested, American Psychological Association (APA) standards).
14. Appendices (put them separated if exist).

Defense:

All the details about the submission forms are available in the website: the procedure for registration, defense and review of the TFG.

Evaluation:

1.1. The tutor(s) points correspond to 60% and the TFG committees to 40% of the final TFG grade.

1.2. The students must be approved by both parties (tutor(s) and TFG committees), that is, they must obtain a minimum point of 5 out of 10 for both sides in order to finish the TFG.

1.3. The University has prepared two evaluation rubrics that can serve as a guidance for the evaluation of the tutor(s) and the committees.

Tutor Evaluation Rubric	
<i>Student Progress</i>	
1.	Assistance to the proposed tutorials.

2.	Realization of the requested tasks.	
3.	Constancy and effectiveness carrying out the work.	
4.	Overcome difficulties and maintain objectives.	
5.	Interest and involvement in the work.	
<i>Total progress</i>		<i>3 points</i>
<i>Structure and Format</i>		
6.	Present all the sections of the TFG structure.	
7.	Use the recommended format for the TFG.	
8.	The introduction highlights the skills acquired in the degree for the elaborated work.	
9.	The writing of the TFG is adequate (clear and correct).	
10.	The extension corresponds to the regulations marked.	
11.	The written expression is correct in terms of spelling and grammar.	
<i>Total structure and format</i>		<i>2 points</i>
<i>Contents</i>		
12.	The theme chosen is relevant to the scope of the degree.	
13.	Use terminology with semantic precision.	
14.	The level of contents development presents the depth required for a university degree.	
15.	The objectives are clear and formulated appropriately.	
16.	Adequate and justified selection of the modality and method of work.	
<i>Total contents</i>		<i>3 point</i>
<i>References</i>		
17.	Current (Up-to-date) and pertinent references.	
18.	Correspondence between the references cited in the text and the final list of references.	
19.	The literal texts are quoted correctly.	
20.	The references are ordered and presented in a correct manner according to the selected criteria (APA standards are recommended).	
<i>Total references</i>		<i>1 point</i>
<i>Critic Reflection</i>		
21.	Establish critical conclusions and reflections consistent with the work done.	
22.	Include scope, limitations and/or ways of improvement that derive from the work done.	
<i>Total critic reflection</i>		<i>1 point</i>
Total TFG		

Committee Evaluation Rubric		
<i>Structure and Format</i>		
1.	Present all the sections of the selected TFG mode.	

2.	Use the recommended format for the TFG (extension, ...).	
3.	Proficiency in the scientific language.	
4.	TFG is clear, coherent and correct.	
5.	The written expression is correct.	
<i>Total structure and format</i>		<i>1 point</i>
<i>Content</i>		
6.	The theme chosen is relevant to the scope of the degree.	
7.	Originality, interest and topicality of the proposed topic.	
8.	The level of contents development presents the depth required for a university degree.	
9.	The objectives are clear and formulated appropriately.	
10.	The introduction highlights the skills acquired in the degree for the elaborated work.	
11.	Adequate and justified selection of the modality and method of work.	
12.	Adequacy of the discussion and relevance to the conclusions.	
13.	Include scope, limitations and/or ways of improvement that derive from the work done.	
<i>Total content</i>		<i>3 points</i>
<i>References</i>		
14	Current (Up-to-date) and pertinent references.	
15	Correspondence between the references cited in the text and the final list of references.	
16	The literal texts are quoted correctly.	
17	The references are ordered and presented in a correct manner according to the selected criteria (APA standards are recommended).	
<i>Total references</i>		<i>1 point</i>
<i>TFG Defense</i>		
18	Presentation clarity, conceptual precision and correct speech organization.	
19	Respect the previously established time duration.	
20	Adequately use digital media.	
21	Synthesize the work properly.	
22	Present ability to generate debate.	
23	Master the subject and contents of the work.	
24	Contextualize the work.	
25	The presentation is coherent with the work done.	
26	Establish critical conclusions and reflections consistent with the work done.	
<i>Total TFG defense</i>		<i>5 points</i>
Total TFG		

Appendix 1:

UNIVERSITY OF EXTREMADURA

TEACHER TRAINING COLLEGE

B.A. IN PRIMARY EDUCATION

Facultad
de Formación
del Profesorado



TRABAJO FIN DE GRADO, CONVOCATORIA **MONTH YEAR**

TITLE

PRESENTED BY **FULL NAME**

NIF **VVVVVV**

e-mail: **KKKKKK@alumnos.unex.es**

Place and date

SUPERVISED BY **FULL NAME/S.**

AREA OF KNOWLEDGE: Didactics of Experimental Sciences.

DEPARTMENT: Didactics of Experimental Sciences and Mathematics.

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