BRIEFING

Final Thesis (TFG-TFM)

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OUTLINE

• ESEIAAT degrees
• Important considerations
• Final thesis process
• Final thesis documents
• Typical report structure
• Useful links
ESEIAAT degrees

• Bachelor's degree in Ind. Design and Product Development
• Bachelor's degree in Industrial Technology Engineering
• Bachelor's degree in Electrical Engineering
• Bachelor's degree in Ind. Electr. and Automatic Control Eng.
• Bachelor's degree in Mechanical Engineering
• Bachelor's degree in Chemical Engineering
• Bachelor's degree in Textile Technology and Design
• Bachelor's degree in Industrial Engineering. BDIE
• Bachelor's degree in Aerospace Technology Eng. BDAE
• Bachelor's degree in Aerospace Vehicle Engineering
• Bachelor's degree in Audiovisual Systems
ESEIAAT degrees

- Master's degree in Industrial Engineering. MDIE
- Master's degree in Aerospace Engineering. MDAE
- Master's degree in Textile Design and Technology. MUDTT
- Master's degree in Paper and Graphics Technology. MDPGT
- Master's degree in Aut. Sys. and Ind. Electr. Eng. MUESAEI
- Master’s degree in Space and Aeronautical Eng. MASE
- Master's degree in Management Engineering. MDE
- Master's degree in Technology and Eng. Management. MEM
- Master’s degree in Research in Mechanical Engineering
IMPORTANT CONSIDERATIONS

Estimated workload 25h/ECTS:

<table>
<thead>
<tr>
<th>Course</th>
<th>ECTS</th>
<th>Estimated hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>GRETI, GRETA, MUEI, MUEA, MUEO</td>
<td>12 ECTS</td>
<td>300h</td>
</tr>
<tr>
<td>MASE</td>
<td>14 ECTS</td>
<td>350h</td>
</tr>
<tr>
<td>MUEASAEI</td>
<td>15 ECTS</td>
<td>375h</td>
</tr>
<tr>
<td>MUDTT, UTPiG</td>
<td>18 ECTS</td>
<td>450h</td>
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<tr>
<td>MEM</td>
<td>30 ECTS</td>
<td>750h</td>
</tr>
<tr>
<td>OTHERS</td>
<td>24 ECTS</td>
<td>600h</td>
</tr>
<tr>
<td>GRETI, GRETA, MUEI, MUEA, MUEO</td>
<td>12 ECTS</td>
<td>300h</td>
</tr>
</tbody>
</table>
IMPORTANT CONSIDERATIONS

- Thesis directors must be ESEIAAT’s lecturers.
- The director of the Bachelor thesis is a member of the Review Panel.
- The director of the Master thesis is not a member of the Review Panel but provides an assessment report.
- Thesis presentation: 20 minutes.
- Evaluation: documentation + oral presentation.
IMPORTANT CONSIDERATIONS

40%
Overall:
- coherence and clarity between objective and results
- use of critical thinking
- originality and innovation
- correlation between theory and practice

10%
Convincing theoretical foundations and exposition of advances achieved

30%
Defence:
- communication skills
- slides
- adherence to allotted time

10%
Appropriateness of the methodology in relation to the subject matter

10%
Formal aspects:
- structure of the thesis
- writing
- bibliographical references
FINAL THESIS PROCESS

1. Proposal introduction
   - Final thesis proposals
   - Has an idea: Introduces proposal/offer
   - Has an idea: Contacts with professor

2. Request
   - Until mid-June
   - Until mid-January

3. Acceptance
   - Summer
   - Until mid-January

4. Confirmation
   - Summer
   - Until mid-January

5. Assignment
   - July
   - February

6. Enrolment

7. FOLLOW-UP PHASE
   - September to January
   - February to June

   - Follow-up
   - Master
   - Bachelor

7a. Bachelor's thesis talk
   - September
   - February

7b. Project charter
   - October
   - March

7c. Follow-up reports
   - October
   - March

8. SUBMISSION PHASE
   - January
   - June

   - Thesis submission + Administrative deposit

9. Validation
   - April
   - May
   - September
   - October

10. Defence
    - February
    - July

Atenea TFE
FINAL THESIS PROCESS

ACCES TO ALL FINAL THESIS INFORMATION:
FINAL THESIS FILES

COMPULSORY FILES:

– Report (all relevant information).
– Budget (cost of the suggested solution).
– TOR (Terms Of Reference) – For Projects.
– Annexes (if necessary).
– Drawings (if necessary).
### Quality checklist

**Student's name**: Click here to enter text.  
**Final thesis title**: Click here to enter text.

#### Formal features – Format

<table>
<thead>
<tr>
<th>Item</th>
<th>Status</th>
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</thead>
<tbody>
<tr>
<td>A1 – Cover format</td>
<td>☐</td>
</tr>
<tr>
<td>A2 – Table of contents</td>
<td>☐</td>
</tr>
<tr>
<td>A3 – Summary of tables and figures</td>
<td>☐</td>
</tr>
<tr>
<td>A4 – Spelling/units</td>
<td>☐</td>
</tr>
<tr>
<td>A5 – Tables/figures</td>
<td>☐</td>
</tr>
<tr>
<td>A6 – Document formats</td>
<td>☐</td>
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<tr>
<td>A7 – Thesis length</td>
<td>☐</td>
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<tr>
<td>A8 – References</td>
<td>☐</td>
</tr>
<tr>
<td>A9 – List of documents</td>
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</tbody>
</table>

#### Formal features – Content

<table>
<thead>
<tr>
<th>Item</th>
<th>Status</th>
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</thead>
<tbody>
<tr>
<td>B1 – Presentation of the problem</td>
<td>☐</td>
</tr>
<tr>
<td>B2 – Background and literature review</td>
<td>☐</td>
</tr>
<tr>
<td>B3 – Presentation and justification of solutions</td>
<td>☐</td>
</tr>
<tr>
<td>B4 – Compliance with the scope and specifications</td>
<td>☐</td>
</tr>
<tr>
<td>B5 – Economic, environmental and safety features</td>
<td>☐</td>
</tr>
<tr>
<td>B6 – Timing</td>
<td>☐</td>
</tr>
<tr>
<td>B7 – Conclusions and recommendations</td>
<td>☐</td>
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### Assessment criteria

<table>
<thead>
<tr>
<th>Criteria</th>
<th>Very high</th>
<th>High</th>
<th>Medium</th>
<th>Low</th>
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<tbody>
<tr>
<td>Difficulty of the work</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
</tr>
<tr>
<td>Accomplishment of objectives</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
</tr>
<tr>
<td>Support and monitoring by the professor</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
</tr>
<tr>
<td>Number of hours spent on the thesis</td>
<td>☐ More than 600</td>
<td>☐ More than 400</td>
<td>☐ More than 300</td>
<td>☐ Less than 300</td>
</tr>
</tbody>
</table>

**Other considerations**:  
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**Student's signature**
TYPICAL REPORT STRUCTURE

INTRODUCTION
– Outline / Contents. List of figures; list of tables.
– Abstract (two languages).
– Aim of the thesis.
– Scope of the thesis.
– Requirements of the thesis (basic specs).
– Justification of the usefulness/need/opportunity of the thesis

DEVELOPMENT
– Background and review of the state of the art, if necessary.
– Approach and decision on possible solutions.
– Development of the chosen solutions.

SUMMARY OF RESULTS
– Summary of the budget, or economic feasibility study.
– Analysis (and assessment) of the environmental implications.
– Conclusions and recommendations of continuity.
– Planning and scheduling of the next stage.
– Bibliography, references and legislation.
USEFUL LINKS

- **6 steps for the success of your final thesis**

- **BIBTips**: workshops and webinars

- **Final thesis awards**

- **Mini-videos final thesis competition**
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