**MECE 307 MACHINE ELEMENTS I**

**PROJECT –GUIDELINE**

**A) TITLE PAGE**

ÇANKAYA UNIVERSITY

MECHATRONICS ENGINEERING DEPARTMENT

MECE 307 MACHINE ELEMENTS I

Project Title:

Prepared By:

Date:

**B) The projects should consist of the following parts:**

**Introduction**- should include why such a project is important and its possible areas of application.

**Design calculations**- should include all the calculations required for the design. All the assumptions made should be clearly stated and later on should be verified through calculations. Final results should be placed in boxes.

**Technical drawings**- should be prepared according to the standards given.

**Discussion** – Discuss methods of the analysis, design technique used, results, possible improvements, shortcomings, etc. and derive a conclusion.

**List of References** ( if any)

References should be mentioned in the order of appearance in the text and the numbers should be in brackets, [ \* ], and the references themselves will be listed at the end of the report. Each reference should have the following format:

[ Reference Number ] –( Name of the book ), (Author(s)), (Edition), ( Year ), (Publishing Company)

**C) Grading for the project will be based on the degree of completeness, degree of correctness of the calculations and the drawings, and the presentation of the text and the drawings.**

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| --- | --- |
| **Presentation**(Neatness Format, Completeness, Cover Page, Abstract, Introduction, Discussion and Conclusions,Appendices (if any)) | **%20** |
| **Design Analysis and Presentation**  | **%60** |
| **Engineering Drawing** (Drawing for PRODUCTION of the parts with all the dimensions, tolerances, material and finish) | **%20** |
| **TOTAL** | **%100** |

**D) SOME IMPORTANT REMINDERS & GENERAL WARNINGS ABOUT PROJECT**

* Your project solutions must be concise but self-explanatory, containing all the details of your computations/derivations at each step without needing any interpretation of the reader, otherwise will be considered as "incomplete".
* If you use sources other than the course notes, they should be properly referenced.
* Solutions must be submitted in a written form, prepared professionally, **by using a word processor on only one side of clean, white papers of A4 size, each numbered showing the current page number and total number of pages, personalized by your name and student number**; **properly bound or stapled**; no disks or e-mail or cloud attachments are acceptable as a full or partial content of your solutions.
* Definitely, no extensions will be given for the date/time of project, in full or partial.
* Even though team-work type efforts are encouraged, they must not go beyond discussions on the solution methods used and/or cross-checking the results of your number-crunching.
* Therefore, every paper that you will be handing in should be personalized by fully and correctly reflecting your own approaches and efforts in it.