

GE-105
Section 09, CRN: 36106/7/8
First Semester 1438-39 H (Fall-2017) – 2(1,1,2)
“Introduction to Engineering Design”

Saturday, October 21, 2017 (01/02/1439H)

Report – Stage 1: Topic Proposal

#	Names:	Student Numbers:
1.		43
2.		43
3.		43
4.		43

You are requested to write a one-page proposal regarding your chosen topic for the project. The proposal should contain the following criteria [10 points each]:

- Title page:** clear title (descriptive, <10 words), course name, authors' full names & ID's, instructor name, date of submission
- Proposed concept:** i.e. what you are suggesting to do; include a *labeled* sketch of your concept; show what your design can do and how it works; what problem does it solve?
- Motivation:** what similar items have you seen that inspired this idea (from Internet, market, personal experience, etc.); use photos/sketches and show why yours is better/different
- Introduction:** motivation for project; some previous work with photos
- Report:** formatting (e.g. 1" margins, 1.5 spacing, standard font sizes and typeface, titles/subtitles), organization, spelling, grammar (e.g. no fragments, run-on sentences), thoroughness, quality (e.g. all sentences, not all bullets)
- Referencing:** citing within text (of sources, figures, tables); use of sources other than websites; no plagiarism (copy-and-paste); unified/standard system of referencing; complete and correct references; every reference is cited in the text and vice versa
- Figures/tables:** caption and number for every figure/table; reference number at the end of the caption (for external source); complete and correct figure captions (below) and table captions (above)
- ~~**Problem statement, Need Analysis, Objectives** (primary, secondary)~~
- ~~**Criteria, Constraints, Requirements/Specifications**~~
- ~~**Human Factors:** specify category and description~~
- ~~**Problem Formulation:** one paragraph (summarizes 8-10)~~
- ~~**Design Concept Generation:** specify how (brainstorming, morphological analysis, etc.)~~
- ~~**Design Evaluation/Selection:** weights and rates (specify scenarios, criteria, etc.); analysis~~
- ~~**Detailed Design:** labeled design, with dimensions and sections, etc.~~

15. Project Planning / Gantt Chart

~~16. Conclusions, summary and recommendations: what has been done; features and limitations of design; implications of work done; recommended follow-up study~~

TOTAL: / 160

Rules:

- You should work with your **project group** for this assignment.
- The answer should not exceed **one page** in length.
- Your work must be **typed** and written in **proper English**.
- Make sure to use properly **captioned figures/tables** (where applicable) and to properly cite all utilized **references**.
- Due date: **Wednesday, October 25, 2017** (05/02/1439)