

ANSYS SIMULATION REPORT FORMAT – OPTIMUM DESIGN COURSE

Final written report, a very important component of the course project, is due by noon on Wednesday December 24, 2016. Each Student is required to submit a single hard copy of (with a hard-front cover page and hard back page, with a professional spiral or tape binding of the report – do not just staple) your project report. Please make a copy of the final report for yourself before submission since I will not return the report back to you. You must submit an electronic copy of your entire final report, in a single pdf file, and submit it to a.nagib@alexu.edu.eg . Starting with the cover page: give a title for your simulation problem together with your names, course name, semester (Fall 2011), and submission deadline date of 12/24/2016 -- all centered.

Choose any 2 of the first four tutorials and two of the last four tutorials to include in your reports.

Conduct optimization of all the problem by using two objective Functions (for example, minimum mass and maximum Stress)

The final report must be typeset with a 12 point Times New Roman typeface on an A4 paper (single spaced with one-inch margin all around), page numbered, and have the sections as listed below:

1. **Table of Content (with page number for all sections)**
2. **Problem Description.**
3. **Used Boundary Condition.**
4. **Simulation Results Before Optimization**
5. **Optimization Parameters**
6. **Optimum Solution Result**