Indications and guidelines for Nanotech projects

During the second semester, you will be asked to carry out a project by groups of 8 students. The purpose of the projects consists in defining the scientific and technical feasibility of a particular problem but also the financial aspects that engineers commonly face in an actual industrial environment.

Topics

There will be a finite number of topics proposed by the teaching staff. You have three days to make a list of minimum three choices (in the order of preference). You may also submit other topics. The teaching staff will confirm the topic for each group of students.

Project management and deliverables

1- Regular meetings will be organized during which each group will have a limited time to present the progress of the project and the plan for the forthcoming period. For each meeting, a different group manager will be defined. The aim of these meetings is to ensure that each project is in good progress. An evaluation will be done by the jury after each meeting.
Students' presence is mandatory for the meetings, during all the talks.
Each student must actively participate to the progress meetings (give presentation at least once, answer questions, ask questions to other groups…).

2- The intermediate report must be submitted at the beginning of the 2nd meeting and will be evaluated by the teaching staff.

3- A final report of 20 pages maximum (excluding annexes) shall be submitted at the end of the project period.

4- Each project group will do an "end-of-project" oral presentation of 25 minutes followed by 30 minutes of questions.

Evaluation

The teaching staff will evaluate the work carried-out during the project and marks will be assigned to students using the following criterions:
- Participation and dynamism of each student during the projects
- Relevancy of the work presented during the intermediate meetings
- Intermediate report
- Final report
- Final presentation

Instructions for reports' writing

1. **Respect the page limitation (excess pages will be charged i.e. assigned mark decreased).**
2. Reports should be printed on two-side paper. For the main text a type font of no more than 12 points and not less than 10 points is recommended.
3. Titles and subtitles should not be put within the text. They should be typed on a separate line.
4. Figures, illustrations and photographs must be individually titled and numbered sequentially with Arabic numerals. Each figure should be cited in the text at least once.
5. All publications cited in the text should be presented in a list of references following the text of the student report.

6. The reports should be organized in the following order:
- Title and name(s) of author(s) (should be clear, descriptive and concise)
- Abstract (for the final report only)
- Keywords (indexing terms), normally 3-6 items (for the final report only)
- Introduction
- Material studied, area descriptions, methods, techniques
- Results/Simulations (for the final report only)
- Discussions
- Conclusions/Perspectives
- References
- Annexes (for the final report only)

Bibliographic research for group projects

The Grenoble Institute of Technology offers you a free access to a number of scientific reviews. This service is common with the Université Joseph Fourier and is called Gael (Grenoble Accès en Ligne). Here is the webpage that allows accessing the list of revues:
http://sicd1.ujf-grenoble.fr/Ressources_Electroniques/Periodiques_Electroniques_Gael/Gael_PE.php

How to use Gael ?
http://sicd1.ujf-grenoble.fr/-Practical-information-345-?lang=en
http://sicd1.ujf-grenoble.fr/-Informations-pratiques-28-?lang=fr