

# Research Guideline

**1. This project will be done by individual.**

**2. We will have at least 6 to 7 meetings for each person.**

Report your progress, ideas, advanced problems based on the results, etc. The number of the meeting depends on your progress. Do not try your research only in one or two days. In each meeting, you have to make distinct progress or insightful development. (Show me your “Power Point” or results each time.) **Do NOT come to the meeting without results. If you have any problem to obtain the research results, send me email or come to my office to resolve the trouble before the meeting.**

**3. Presentation date is during last week, including the laboratory time.**

Make a 12-minute presentation (about 10-slides). The presentation with related files, data, and programs will be submitted. [You must turn in all of the files which are revisable.]

**4. The project will be accepted with the following evaluation items:**

- ① Did you have at least six or seven meetings?
- ② Did you make the presentation with the necessary and sufficient data and explanation?
- ③ Did you complete each assignment given in the meeting? **[Show the Power Point or results each time.]**
- ④ Did you submit the presentation file, the related data, and the program in a reproducible way? (I may ask for extra files to submit later if I cannot reproduce your project and presentation on my computer. Also, I need to ask modify or add more information to your presentation. **(I strongly recommend that you ask me to check your presentation before you present.)**)
- ⑤ Did you turn in the questionnaire and the evaluation sheet to evaluate others’ presentations?

If your procedure is significantly deviated from the above rules, it may hurt your final grade. You MUST submit the project as I requested; otherwise, it will lower your final grade.

**5. DOs and DON'Ts**

- Do organize your data. (Write the conditions for each data with related variables.)
- Don't discard any data. (Data you consider wrong might be useful later.)
- Don't be afraid of making mistakes.
- Don't get stuck by yourself. (Discuss with me and consult any references.)
- Do accept that you do not have to know everything on the topic to conduct research.
- Don't cram the information. (You should at least know the context of what you are presenting.)
- Do try your ideas and obtain more data to show the tendency.
- Don't include any data which are suspicious and obviously wrong into the presentation. (Consult me first.)

**6. The basic outline of presentation**

1. Make the main title that is concise, specific, understandable, and attractive.
2. Indicate the outline of your presentation.
3. Introduction: Present the basic ideas of the topic and new things you did for the research. If any, you include motivation or suggested solution.
4. Explain the method you use. If it is new or modified from the previous formula, explain the differences.
5. Show the data. Use tables and plots with legends and captions. Conditions, variables, necessary explanation, etc. must be included in the slide.
6. Discuss what you find or what you are still looking for.
7. Conclude your research concisely.

Note: You decide your meeting time by yourself. You can insist that you have the priority to see me at that time slot. If you have to miss the meeting with any reason, you have to be responsible for making it up. I do not make any appointment for this, so please find the time to come to my office when I am available.