

# REPORTS AND PRESENTATIONS

수학적 모델 설계

# MODELING TEAM: GOALS

- To do a good job of studying the problem
- To communicate effectively : An essential goal
  - Well-organized reports
  - Clearly presented presentations

# TEAM MEMBERS NEED

- To communicate the results of their works effectively
- To convince others that their approach and results are worthwhile
- To demonstrate that the task given to them has been accomplished

# SOME POINTS BE CONSIDERED IN PREPARING A REPORT AND A PRESENTATION

1. What is the problems or area of study?
2. How was the study carried out?
3. What are the results of the study?
4. What are the conclusions of the study and How valid are they?

## 1. WHAT IS THE PROBLEMS OR AREA OF STUDY?

- Problems to be studied may not obvious to others:  
Team needs to be set the scene carefully
- A problem is originally proposed in a vague or imprecise way: Parts of Modeling task is to clarify what earlier had only been understood or stated
- **An important step** in a report or a presentation is to **convince the audience** that the problem studied by the team is an appropriate one for the goals of the study originally proposed to them

## 2. HOW WAS THE STUDY CARRIED OUT?

- Were data collected by team or provided by someone else?
- How was the sample selected if statistical sampling was used?
- How were the data used?
- Was the study an analytical one or was it a simulation? Or were some parts of each involved?

### 3. WHAT ARE THE RESULTS OF THE STUDY?

- It is a critical stem to describe **what its members have learned about the area of study and their solution**
- Presentation Methods: Graphs, Charts
- Comparison between the results obtained in the current study and those obtained in earlier studies or by different methods in the same study

## 4. WHAT ARE THE CONCLUSIONS OF THE STUDY AND HOW VALID ARE THEY?

- In this part, the results of the study are compared to the real world
  - Need to look critically
  - Need to note the strengths and limitations (if any) of the work
- Tips: how the assumptions are related to the conclusions, how the (incomplete) assumptions affect the results of the study
- Remarks: This is the place to note the options for additional study or related problems that may be of interest to the clients.

# EVALUATION PROJECT REPORTS

1. Executive Summary 10%
2. Assumption/Rationale 10%
3. Model design and Development 40%
4. Evaluation/Sensitivity/Strengths/Weakness 15%
5. Results/Conclusions/Recommendations 15%
6. Style/Format/Clarity 10%