BYM3782 BIOREACTOR DESIGN - PRESENTATION & PROJECT EVALUATION CRITERIA

The groups will select a bioreactor type that will have originality based on a specific problem on operating that bioreactor and prepare presentation and report explaining its design.

Each group should choose one of the following bioreactor types:

1. Animal Cell Bioreactors
2. Plant Cell Bioreactors
3. Photobioreactors
4. Fluidized-Bed Bioreactors
5. Packed-Bed Bioreactors
6. Bubble-Column Bioreactors
7. Airlift Bioreactors
8. Membrane Bioreactors
9. Stirred-Tank Bioreactors

RULES

1- The project should be written in your own words.

2- Turnitin system will be used to detect any citation for the plagiarism.

3- The font of the text should be Times New Roman (12).

4- The cover page should be used from the website of the Department of Bioengineering.

5- All groups will make presentations in the weeks that coincide with the presentations in the academic calendar. Presentations should not exceed 10-15 minutes. All members of the groups will be responsible for all of the content.

6- Theoretical information about the bioreactor you have chosen **should not be included** in your presentation.

7- In the report, the design of the bioreactor and why it was chosen should be explained in detail.

8- You should design two questions related to the bioengineering processes related to the bioreactor you have chosen and present their solutions (such as vaccines, tissue engineering, microbiological processes or algae). Due to the large number of groups, the two groups may have to make presentations about some types of bioreactors. However, your presentations and questions should not be the same (i.e. the same two questions with only varying numbers). This will be taken into account when making the assessment.

9- Reference number should be sufficient, references should be up-to-date sources.