

# CBP732

## General approach

In this module various assignments will be given. The assignments are based on ideas/calculations that I have performed before. The idea is to have Bioreaction Engineering postgraduates scrutinize the ideas in order to grow the collective understanding. The teaching will thus be two directional, where a teaching cycle is established. I will only initiate the topic of discussion. Marks will be awarded based on the extend by which you grew my own understanding. Unlike traditional undergraduate courses the objective is not to achieve a certain outcome set by the professor. The objective is rather aligned to that of postgraduate research where senior students (typically PhD) are expected to surpass the supervisor on a specific topic. Given that you are junior postgrads expectations will be less than those required from a PhD student. But the idea is to train yourself into a mature postgraduate student.

Extensive literature consultation will be required. The easiest way of contributing to the collective effort is to add unknown papers (ideas) to the pool of papers for a given assignment. When consulting open literature two modes should be employed. The first mode is familiarization where background understanding is required. The second mode is scouting where various explanations for observed phenomena (typically based on your own calculations) is consulted.

We will meet on on a bi-weekly basis. Each meeting will require the submission of a written progress report (in PDF) 24 hours before the meeting. During the meeting students will be expected to give an oral presentation of 20 minutes on their progress. Both the report and presentation should be of an informal nature. The focus will be on communicating core understanding and confusion. Required background should be given in the minimum amount of words possible. Stay away from formal Powerpoint presentations. Marks will only be awarded for critical thinking, synthesis and analysis. Rather use graphs, pictures and diagrams than extensive words. Don't be afraid of exploring a tangent, I don't expect a single correct answer.

Convince me that you working and you won't be able to fail the course. The only thing required is commitment and hours. We are here to learn.

You are expected to be on top of the principles of the CBI310 course. This is a prerequisite for all assignments in CBP732.

Willie