

## Is PB 622 right for you?

Please go through the following list of questions and answer them for yourself. If you can NOT answer at least 80% of them on the spot, it means that in order to succeed in PB622 you will have to put in a LARGE amount of extra work.

When we tell you that GENES VII is the text book for this course, this is what we mean: You should know much of the basic information given in GENES VII before you take the course. If you don't, you will have to work through GENES VII in advance of the lectures to be able to take advantage of what we will teach.

Please use these guidelines to decide for yourself. If you have any doubts or questions, please come and talk to us.

- What is the (chemical) difference between DNA and RNA?
- How many 5' ends does a double stranded linear piece of DNA have? Where are they?
- What is transcription?
- What is translation?
- What are exons and introns?
- What do ribosomes do?
- What is the major difference between a prokaryotic and a eukaryotic cell?
- Where in a eukaryotic cells can you find ribosomes?
- What is a transposon?
- What is a promoter?
- On what molecule(s) will you find an open reading frame: DNA, RNA, or protein?