Welcome to BIOE.44

Synthetic Biology Lab

Orientation Lecture
Spring 2010
- Reality is complicated

- Teaching is not the same as learning
- Studying is not the same as learning

- We see you as men and women, not boys and girls

- Risk taking is OK
- Mistakes are OK
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Synthetic Biology Lab

COURSE MISSION

- To prepare students for a future in biological engineering

- To teach cutting edge skills through an authentic research experience

- To inspire rigorous data analysis, critical thinking, and thoughtful communication
Module 1: DNA Engineering
Module 2: Genetic Device Engineering
Module 3: DNA Synthesis
Module 4: Growing & Glowing
Module 5: Testing Your Designs
Module 1

DNA Engineering

Cambridge iGEM 2009
Module 3

DNA Synthesis
Module 4

Growing & Glowing
Module 5

Testing
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EXPECTATIONS OF US

- That we will come to class and lab prepared
- That our assignments are clear and reasonable
- That we will treat every 44er with respect
- That we will give everyone an equal chance at success
EXPECTATIONS OF YOU (SOME)

- That your will come to class and lab prepared
- That you will not interfere with each other’s learning
- That you will invest the very best of yourself
- That you will offer honest and frequent feedback
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COURSE DETAILS

http://openwetware.org/wiki/Stanford/BIOE44