NS 208 GENERAL BIOTECHNOLOGY

Syllabus

Spring 2021

* Introduction; biotechnology in the 21st century.
* An introduction to genes and genomes
* History of genetic manipulation and recombinant DNA technology
* Proteins as products
* Microbial biotechnology
* Plant biotechnology
* Animal biotechnology
* Aquatic biotechnology
* DNA fingerprinting and forensic analysis
* Medical biotechnology
* Bioremediation
* Regulatory oversight in biotechnology
* Ethics and biotechnology

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**Grading: 20 % 1st mid-term; (Tuesday, March 30 2021, 16:40-17:30);**

**20 % 2nd mid-term; (Tuesday, April 27 2020, 16:40-17:30);**

**20 % Quizes**

**40 % final (TBA)**

**Important notice by the administration: These exams and quizzes will be proctored; your webcam and microphone should be on during the exam. In the case of non-compliance with this and other declared exam procedures, your exam will be void. Make sure to check that your webcam and microphone function properly before the exam.**

**You must attend the synchronous Zoom lectures and real-time on-line exams with your SU mail account.**

**Schedule: Tuesday 16:40-17:30 On-line (https://sabanciuniv.zoom.us/j/535143400)**

**Friday 10:40-12:30 On-line (https://sabanciuniv.zoom.us/j/535143400)**

**Office hour: Tuesdays and Fridays following the lectures or by appointment**

**https://sabanciuniv.zoom.us/j/535143400**

**Textbook: Introduction to Biotechnology (4th ed.) by Thieman, W. J. and Palladino M. A., 2020.**