

# United International University

## School of Science and Engineering

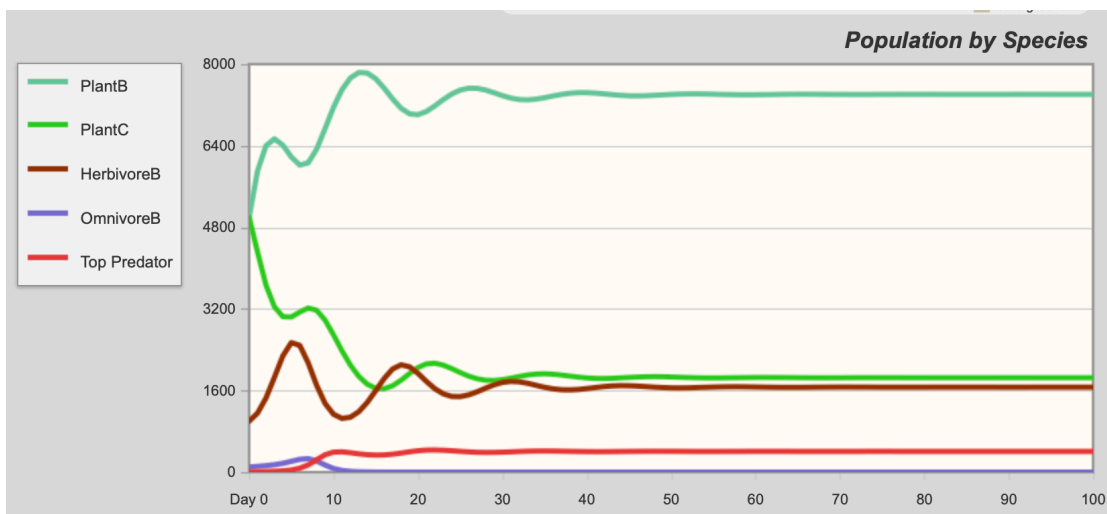
Class Test 4; Year 2022; Semester: Spring

Course: BIO 3105; Title: Biology for Engineers, Section: A



Class Serial:      ; Name:      ; ID:

1.      i)      Give a sample diagram showing the energy of a certain ecosystem with one producer and three consumers.      4      CO1



3

Explain the results of the simulation with produces and consumers.

2. Mention the basic differences between food web and food chain.

3 CO3

3. For a drought happening in several years back in the north part of the country explain the resistance and resilience of the ecosystem in a diagram.

5 CO3

4. For the existing ecosystems on earth write down the basic equations for survival. Do you think chemicals, or sunlight is more significant for the established producer consumer relationships in the existing ecosystem on earth apart for initiation of life? Give reasons behind your answer. 5 CO3

