# Examples of Course Learning Outcomes Blueprint Applied to a Quiz.

## Course: Environmental Science SC1020

### Course LOs:

1. Students will demonstrate a basic understanding of ecology, sustainability, and the anthropogenic impact on the environment
2. Students will apply the scientific method to solve problems
3. Students will demonstrate written and oral presentation skills to communicate scientific knowledge
4. Students will think critically about possible means of preventing, adapting to, or mitigating major threats to the environment

### Quiz Example (10 questions)

1. Give 4 examples of communities belonging to a forest ecosystem.
2. What are the possible causes of an algae bloom in a freshwater ecosystem?
3. How would you proceed to identify the immediate causes of an algae bloom in a freshwater ecosystem?
4. How would you proceed to remediate and/or prevent an algae bloom in a freshwater ecosystem?
5. What are the phases of ecological succession?
6. How can deforestation for agriculture be made less impactful for ecosystems and biodiversity?
7. What is coral bleaching? Where is it currently occurring? What causes it?
8. How could algae blooms be used to mitigate Climate Change? What are the downside risks?
9. A small island in a Greek archipelago has been reduced to almost bare rock by overgrazing. How would you proceed to accelerate environmental restoration?
10. What is the day and time for the final in this class?

### Blueprint:

#### Questions assessing LO#1: 1,2,5,7

#### Questions assessing LO#2: 3,9

#### Questions assessing LO#4: 4,6,8

### Note:

* *LO#3 is not assessed in this quiz.*
* *Question #10 has nothing to do with course LOs.*