**Self-Reflective Grading**

**Weekly Worksheet**

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| **Name** | **Weeks** |
| Rebecca Salzer | **1 2 3**  4 5 6 7 8 9 10 |

List what you consider to be the most important **topics** for this reflective period. For each topic, describe **how you practiced** understanding the material.

*Common ways: attending class, participating in class, surface reading, careful reading, practice problems, homework problems, discussions with peers, discussions with professors.*

Evolution discussions:

Discussed the basics of evolution, heritability, variation/mutation and selection.

Discussed what fitness means.

Discussed misconcepts about evolution.

Code:

Talked about modeling inheritance with genomes in c++

Experimented with evolutionary algorithm in python.

Practiced biology/evolution discussions by attending class, participating in class, doing careful reading and discussing with peers and professor in class.

Practiced code by attending class, participating in class, doing careful reading, practice problems, going back over in class problems after class to solidify understanding and discussing with peers and professor in class.

For each topic, give a 1-2 sentence explanation of **why this topic is covered in this course** and **how it connects to previous topics**, either in this course or in other courses you have taken.

Evolution/biology is discussed because in order to understand artificial life, and how these algorithms work, we need to first understand what we are trying to model, and that is the process of natural life/ evolution.

The code we studied was covered because it is the basics of an evolutionary algorithm. The code in python was the first example for a basic structure of these algorithms that we will continue to study and build looking at artificial life, trying to model the evolutionary process in natural life that we studied. This was building off the c++ code we did in week 1.

List **all major topics/concepts/ideas** from the course so far and note whether you feel you have mastered the topic **(M)**, are proficient in the topic **(P)**, or are still a novice in the topic **(N)**. You can sort these however makes sense for you and your brain.

C++ (N/P)

Evolution (N/P)

Fitness (P)

Evolution Misconceptions (P)

Inheritance in C++ (N/P)

Evolutionary Algorithms (N)

Based on your current understanding of the course topics and what you have done to practice them, what would you assign for a **letter grade** at this point in the term?

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