



# AGENT-BASED PROGRAMMING

## FINAL PROJECT- SUGGESTED RUBRIC

| Do you have?  | Points Possible | Points Earned |
|---|-----------------|---------------|
| <p><b>A one-page document describing your simulation (2 options)</b></p> <p>(I) <u>If you wrote own simulation</u> your document should describe:</p> <ol style="list-style-type: none"> <li>1. The problem or situation you modeled.</li> <li>2. The environment.</li> <li>3. The agents</li> <li>4. How the agents interact with environment and each other.</li> <li>5. How you could make your simulation more realistic.</li> </ol> <p>(II) <u>If you modified an existing simulation</u> your document describe:</p> <ol style="list-style-type: none"> <li>1. The problem or situation being modeled</li> <li>2. The environment</li> <li>3. The agents</li> <li>4. How the agents interact with the environment and each other</li> <li>5. What two SIGNIFIGANT changes you made to the model</li> </ol>  | 20              |               |
| <p><b>A simulation program written in NetLogo (2 options)</b></p> <p>(I) <u>If you wrote own simulation</u> your program should contain:</p> <ol style="list-style-type: none"> <li>1. COMMENTS!</li> <li>2. Multiple types of agents (patches AND turtles, OR multiple turtle breeds)</li> <li>3. Multiple Variables.</li> <li>4. Interaction between the agents (turtles to turtles or turtles to patches).</li> </ol> <p>(II) <u>If you modified an existing simulation</u> your program should contain:</p> <ol style="list-style-type: none"> <li>1. COMMENTS, which clearly delineate what you have added to the program.</li> <li>2. New variables and/or new interface components (sliders, displays, etc.)</li> <li>3. Modified turtles and/or patches!</li> <li>4. At least two significant new additions to the FUNCTIONALITY of the model.</li> </ol> | 80              |               |
| <b>Total</b>  | 100             |               |