**CASA0011 – Week 2 – Practical Assignment**

**Butterfly Hilltopping Model**

**MAIN TASK**

1. In the main course textbook (Railsback & Grimm, 2019, *Agent-Based and Individual-Based Modelling: A Practical Introduction* [2nd ed.], Princeton University Press), read **Section 3.4** (p. 43), which describes a model of butterfly mating procedure.
2. Work through **Section 4.3** (p. 50), which demonstrates how to code the model in Netlogo.
3. Read **Section 4.4** (p. 57) and add appropriate comments to your code.
4. Work through the exercises in **Section 4.6** (p. 61).

**EXTENSION**

1. Read **Chapter 5** (p. 63), work through the examples and final exercises.