### Micro 515: report template

### Report instruction:

* Be concise
* Max 2 pages (ignoring references)
* **Font:** Use Times New Roman, size 12.
* **Spacing:** Use 1.15 line spacing.
* **Headings:** Don’t change the headings

Title

#### **1. Introduction**

Provide a brief introduction to the topic or purpose of your evolutionary experiment. Include a short overview of the objectives, environment, robot design.

**EA**: Short description of EA
**World**: Short description of your world

#### **2. Methods**

Describe the geno2pheno type (and reason why you choose this representation), fitness function, what do you measure/why, if applicable: statistical method

#### **3. Results**

Be selective and provide results neatly. Present at most 2 figures of which 1 should be a fitness curve (or Pareto front for multi-objective optimization). Try to make a video of some of the robots.

#### **4. Discussion & conclusion**

Discuss the results. Did evolution successfully complete the task? Does the video match your expectations on the design/behavior? How would you ‘improve’ your experiment next time. Provide statistical analysis on the results.

Conclude with a takeaway message

#### **5. References** ([IEEE)](https://ieee-dataport.org/sites/default/files/analysis/27/IEEE%20Citation%20Guidelines.pdf).