

CS 491/691X – Topics: Introduction to Robotics

Instructor: Monica Nicolescu

Homework #2

Due: April 13

- 1. [10 points]** Describe the difference between robot control using a horizontal decomposition and a vertical decomposition.
- 2. [10 points].** Describe how activities can be sequenced in the Subsumption Architecture, without using explicit communication “wires” between the task-achieving layers.
- 3. [10 points].** Describe at least two principles of good design of a behavior-based control system.
- 4. [10 points]** . Describe briefly how Toto the robot represented a map of its environment.