

Japan-America Institute of Management Science (JAIMS)

CDCP - Robotics Foundation Course

Responsibilities Description

CDCP - Robotics Foundation course consists of six 90-minute sessions scheduled every Wednesday from 2:30 pm to 4 pm. The class session will run from 8/24/2002 through 9/28/2022.

The following is a list of responsibilities which need to be performed by the instructor and/or the instructor aid for the course titled Robotics Level 1.

1. **Course preparation:** Instructor and/or instructor's aid shall arrive to the JAIMS facility 30 minutes prior to the start of class session (2 pm) to ensure the table and chairs are ready, the materials (robots and parts) are on each student's table, and the laptops are functional. The 6 class plans (one plan per session) will be provided in advance.
2. **Materials Preparation:** Instructor and/or instructor's aid shall ensure that the student's robot and parts are on the table assigned to that specific student.
3. **Activity Overview:** Instructor and/or instructor's aid shall provide an overview of the activities to be covered during that specific class session to the students.
4. **Activity Completion:** Instructor and instructor's aid shall help guide the students through the activities to help them complete the task (s) successfully. Helping the students includes providing clarification for the tasks on hand, answering questions, guiding them through tasks with which they are having difficulties, and ensuring the students focus on the class tasks.
5. **Materials put away:** Instructor and/or instructor's aid shall guide the students to clean up the robots and parts, and put materials away until next class session.
6. **Class Management:** Instructor and/or instructor's aid shall ensure the students' behavior, safety, and learning are in compliance with JAIMS' policies.

More information:

Materials' Description: Robotics Level 1 course uses makeblock mBot Educational Robot Kit. The robot uses drag and drop block coding which is installed on each one of the laptops supplied to the students. The robot is aligned with the STEAM education guidelines and recommendations.

Class facility Description: class sessions will take place at the JAIMS facility, in the cafeteria area to allow for the space needed for the robotics activities, and for the CDC recommendations regarding the physical distancing between the students.

Class session plan and activities: the class activities can be summarized as follows:

- a. Class introduction
- b. Robot assembly
- c. Robot control (remote)
- d. Robot programming

For more information, please contact Red Briou @ rbriou@jaims.org or 808-396-7108.

This document is intended to solely provide a description of the Instructor's and instructor's aid's duties while facilitating the Robotics Foundation Level 1 course at JAIMS. This is neither a job offer nor an employment agreement, which are covered under separate documents