Algorithms: Introduction

Introduction to POGIL and CSCI 382

Welcome to CSCI 382, Algorithms! This semester we will often use a methodology called POGIL (Process-Oriented Guided Inquiry Learning). Before we jump into learning about algorithms, we'll take a bit of time to learn about how POGIL works. (We will leave the question of *why* we are using POGIL until next time.) You'll also explore the syllabus of CSCI 382 so you know what to expect this semester.

http://www.pogil.org

Learning objective: Students will be able to list and explain the roles in a POGIL classroom.

Make sure you are sitting in a team of three or four people. If not, talk to your instructor.

1 If not everyone on your team knows each other already, begin by introducing yourselves. Write down the names of your team members here.

Each member of a POGIL learning team has a specific **role**, although the roles will change from day to day. Figure out which member of your team has most recently had a birthday. That person will be the **manager** for today. The other members of your team, clockwise from the manager, will be the **recorder**, the **reporter**, and the **reflector**. If your team only has three members, one person should take the roles of both recorder and reporter.

2 Figure out which team member has each role for today, and write the roles here.

3 The manager should get the provided **role cards** and distribute them appropriately. Take a few minutes to read over your role card(s). What are the important functions of your role(s)? Write a summary here.

4 Each team member should take **one minute** to explain the important aspects of their role(s) to the rest of the team.

Model 1: CSCI 382 Syllabus

Visit the CSCI 382 course web page here:

`http://ozark.hendrix.edu/~yorgey/382/`

Learning objective: Students will be able to explain course policies for weekly problem sets, late days, exams, and academic integrity.

Say whether each statement below is true or false. If false, explain what a correct version of the statement would be.

Remember that you should **work together** to come up with responses to the questions. Make sure all team members agree before moving on.

5 Problem sets are due every Friday at 4pm, and should be turned in on Moodle.

6 One week, Amanda has a play performance, three midterm exams, a 100-page paper due, and a visit from her family. As a result, she is not able to finish her Algorithms problem set before the deadline. She must either turn in whatever she has by the deadline, or else take a zero on the assignment.

7 There are three exams in the course, which together account for 50% of your final grade.

8 In this course, which of the following are considered academic integrity violations?

(a) collaborating with another student on a weekly problem set
(b) collaborating with another student to write up solutions to a weekly problem set
(c) looking at another student's code
(d) referring to an online resource
(e) referring to an online resource without citing it
(f) collaborating with another student while preparing for the final exam
(g) obtaining a copy of exam questions before an exam

Hint: be sure to also look at `http://ozark.hendrix.edu/~yorgey/ac-integrity-policy.html` (which is also linked from the syllabus).