

Executive Summary for Workload Assignment 2022-2023

Ana Paula Centeno - October 2021

I would like to have a course load for AY22-23 of 4 courses and 1 seminar so that I can continue focusing on diversity. Following are the projects that I am involved in the department:

- I have been leading introductory courses redesign. The redesign is part of an effort that has been directly supported by the Rutgers Chancellor's Strategic Initiative.
 - CS112 redesign started on Fall 2020; Spring 2021 had the first iteration of the newly redesigned course; Fall 2021 has first iteration of new assignments on real world applications.
 - Continuation of CS111 assignments redesign.
- I have been the course coordinator responsible for synchronized lecture and recitation content, assignments and exams across lectures; Coordinator also organizes the Learning Assistants, graders, and tutors.
 - CS111 current enrollment is 1800 per academic year. Starting Fall 2021, Lars Sorensen will coordinate CS111, I am currently serving as an advisor.
 - CS112 current enrollment is 1300 per academic year.
 - Coordinated both CS111 and CS112 courses on Spring 2021.
- I have been one of the **leaders in the CS/DIMACS Living Learning Community that has brought in \$490K from the Gates Foundation** through the Khoury Center for Inclusive Computing at Northeastern University.
- Initiated a tutoring program for CS111/CS112 students supported by the Gates Foundation Grant. There are currently 20 tutors per semester for both courses.
- Started research to qualify and quantify the diversity focused initiatives that have been deployed in our department.
- **PI of a NSF** proposal submitted on August 2020 (not funded) - MLiSS: A Machine Learning Student Behavior Model to Identify Struggling Students in Introductory CS Courses.
- As the Advancing Women in Computer Science **coordinating committee leader** at Rutgers I am responsible for coordinating curricular revisions and co-curricular programs.
- Mentored two undergraduate students during Fall 2020 development of a student-focused, goal oriented, recitation management platform (Dynamic Recitation) that is currently being used in CS111 and CS112.
- Continue to volunteer as an academic advisor since Fall 2016. There is no course load relief for this work.
- My course workload per academic year has been:
 - 2019/20: 4 classes + CS294 seminar
 - 2020/21: 3 classes + CS294 seminar