NC STATE UNIVERSITY

College of Engineering
Department of Computer Science

www.csc.ncsu.edu

Campus Box 8206
890 Oval Drive
Raleigh, NC 27695-8206
P: 919.515.2042

Subject: Teaching Feedback for Gina Bai

June 16, 2020

Dr. Heckman attended Ms. Gina Bai's CSC 226 (Discrete Mathematics) course on 6/16/2020 and reviewed her course materials for the Summer 2020 10-week semester. The topic of the day was Arithmetic Proofs, specifically proof by contradiction.

Due to the COVID-19 pandemic, classes in the Summer 2020 10-week semester were moved to online instruction. As an "on-campus" section, Ms. Bai taught an online synchronous version of CSC 226 using the Zoom web-conferencing platform. Students in the section were expected to attend class; Ms. Bai also recorded the lectures for students who may not be able to attend sporadically due to their situations. Ms. Bai started the recording at the beginning of class and has regularly posted lecture recordings to the Moodle webpage. There were 16 out of 22 students in attendance on June 16th. Ms. Bai utilized a Zoom background to show a chalkboard and the course information to customize her instructional video presentation.

The course Moodle is well organized with syllabus, WebAssign deadlines, Zybooks reading schedule, and class zoom link in the top Moodle topic. Course materials were provided for the major topics in the course, which included lecture notes and the video recording of the synchronous lecture. Pre-class lecture materials that provided several problems solvable with material for the given lecture. The syllabus contains all required elements except for the schedule of topics. All assignment deadlines, weights, and expectations are clearly defined. I would encourage including dates on the topics in the Moodle outline so students know what will be covered on what dates. The exam dates are listed in Moodle so students can add those to their calendars.

Ms. Bai started class on time and lead off reminders about the upcoming exam and an overview of the review schedule and review materials. Ms. Bai then moved into a recap of materials covered in the previous classes that will impact the discussion on Arithmetic Proofs. Ms. Bai incorporated active learning exercises where the student had the opportunity to work on problems about review materials and later to work on new problems. She provided significant "silent" time for students to work on the problems and requested that students indicate when they are done using the green checkmark in Zoom. When she called the students back together, she provided the opportunity for students to participate in answering the questions.

Ms. Bai ended class on time and stayed online afterward to answer any additional questions that students might have on the materials. There was one question, which Ms. Bai answered. After prompting students who were still on the call about questions, the class session ended.

Overall, Ms. Bai demonstrated expertise in the materials, provided lots of opportunities for engagement in problems, and described the proof concepts well. She has adopted existing course materials and adapted them to her instructional style. She engaged students during the lecture, which is especially challenging in online instruction.

Dr. Sarah Heckman
Teaching Professor
Director of Undergraduate Programs
Department of Computer Science
NC State University