Abu Asaduzzaman | Statement of Teaching Philosophy

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For learning and teaching, I experience that repetition is an effective tool. The first couple of times when I taught courses as a graduate teaching assistant, I started classes without reviewing previously covered materials. My students requested me to slow down to review what I had covered, but I felt an obligation to teach all of the materials that the course would normally cover in a regular semester. Then I noticed that at the beginning of each class, all popular teachers reviewed the materials they had covered in the previous class. I applied the staggering trick of repetition; students liked the fact that I was reviewing old materials and I was happy because we were keeping the same rigorous pace as before. I find this technique elegant, because it allows teachers a chance to spend two days lecturing about each topic (and

Teaching is an art. Teaching is a quality that should be developed by watching other instructors' teaching, adopting the effective techniques, and practicing the selected techniques over and over. I notice that the same good technique does not work for all. I believe that the most effective way of communicating information is having students' confidence in a teacher, something that mostly depends on the teacher's knowledge, attitude, and teaching style.

In order to provide real-world experience to my students, I bring industry experts into my classes as guest speakers and take my students to industries for field-trip. I find this practice very rewarding.

I have a number of popular teaching styles in my collection that I have observed in my favorite teachers' teaching and I have found these effective when I teach classes. I always try to improve my teaching by learning from other instructors and incorporating what I find to be effective into my own teaching.

Teaching History

I have over 20 years of experience in professional teaching in Computer Engineering, Computer Science, Information Technology, and General Science (mathematics, physics, and chemistry) at various levels.

As Assistant and Associate Professor at Wichita State University (fall 2010 – present), I typically teach two courses in each (fall and spring) semester – one undergraduate (UG) and one graduate (GR). I have developed and taught the following courses: Modeling, Simulation, and Analysis (UG), Hardware-Based Cybersecurity (UG/GR), High Performance Computer Systems (UG/GR), Parallel Computing (GR/UG), Machine Learning Essentials and Applications (GR/UG), and Computer Systems in Data Analytics (GR). I have significantly improved and taught the following courses: Introduction to Computer Architecture (UG, classroom, online, and hybrid), Algorithm Design Methodologies (UG), Microprocessor Based System Design (UG/GR), and Embedded Systems Programming (GR/UG).

In the U.S., I got my first teaching job at Florida Atlantic University (FAU) in 1996, where I was a MS student in the Department of Computer Science and Engineering. As a paid Teaching Assistant, I taught Introduction to Microprocessors Lab as my first assignment. I taught two sections, each section had about 35 students. I met with each section twice every week, each class was one hour and 20 minutes long. In every two weeks, students were asked by their cou