

TEACHING STATEMENT
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My teaching experience comprehends the years 2010–2016. In January 2018, I started my postdoc positions which did not require teaching. Nevertheless, during this postdoc period I have given lectures in seminars of algebra to professors and grad students. My teaching began in August 2010 as *teaching assistant* at Facultad de Ciencias at Universidad Nacional Autónoma de México (UNAM). One year later I became an *Instructor* in the same faculty. I was a teaching assistant in nine courses at bachelor level and one course at master level. As instructor, I gave nine courses at bachelor level. The subjects of all these courses were algebra topics, since linear algebra to rings and modules.

Since my first classes as a teaching assistant I found fascination for sharing my knowledge with the students and that helped me to give my best every class. As teaching assistant, my duties were to solve exercises and answer questions of the students regarding the syllabus given by the professor. I always try to solve the problems with the students instead of just giving them the answers. In mathematics, I believe that, most part of the understanding of a problem resides more in the process to get the answer than the answer itself. Some times I encourage the student to participate in front of the group and solve some exercise in the blackboard. I think, this can create confidence in the student.

As instructor my duties were to give the syllabus and design the exams. For my classes, I try to find more than one textbook to base on. The idea of this is not just to make a copy of a textbook in the blackboard. Looking at different textbooks helps to improve the presentation in the class because the authors can explain the same concepts in different ways. At the beginning of each syllabus I like to give a short review of the last class in order to refresh the memory of the students. Also, when a new subject is coming, I always try to start with an example to make it easier to the students understand the new concepts. Before an exam, I leave a list of exercises and I design the exam using similar questions. I consider that as a part of my job as instructor is to be available as much as possible to try to answer the student's queries. I

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encourage my students to participate in class asking questions and also they can find me and ask me their questions regarding the class.

Teaching mathematics and, in my particular case, teaching algebra can be a little difficult. Algebra most of the time is just manipulate expressions through operations and this can be hard for the students. I always try to find the best explanation and the easiest examples for the students to understand. I endeavor to make each student understand the concepts before we get new ones. I also try to share my passion for the mathematics and algebra in particular, hoping that they can enjoy it as I do.