

1145-J5-1066      **Claire Gibbons\*** ([gibbonsc@oregonstate.edu](mailto:gibbonsc@oregonstate.edu)). *Mathematics Graduate Teaching Assistants and Their Growth as Teachers.*

Mathematics Graduate Teaching Assistants (MGTAs) interact and work with college students through their roles as instructors, laboratory or discussion leaders, tutors, and graders. Thus, efforts to improve undergraduate mathematics instruction should include MGTAs, but there is currently limited research about how MGTAs grow as teachers. This study investigates how seven MGTAs at a doctoral-granting university developed as teachers over an academic year. Group interview, individual interview, and survey data were collected and analyzed using complexity science as a theoretical framework. Results will be presented about what factors influence changes in MGTAs teaching practices. (Received September 18, 2018)