

Leibniz algebras and their coquecigrues

Math 199C—Spring 2018

Bernard Russo

May 14, 2018

- **Course:** Mathematics 199C Course Code 45448
Fridays 3-3:50 RH440R
- **Course objective** To understand the generalization of Lie Groups and Lie Algebras to Coquecigrues and Leibniz algebras.
- **Reading Material:**
 - Global integration of Leibniz algebras.
Bordemann, Martin; Wagemann, Friedrich;
J. Lie Theory 27 (2017), no. 2, 555-567.
 - Leibniz algebras, Lie racks, and digroups.
Kinyon, Michael K.
J. Lie Theory 17 (2007), no. 1, 99-114.
- **Course procedure:** The class will meet for one hour per week, starting May 11.
- **Instructor:** Bernard Russo RH525 Office Hours Friday 2:15-2:45 RH525
- **Homework:** Reading and Exercises may be assigned.
- **Grading:** There are no midterms or final. Grading for 2 units will be based on your understanding of the two papers listed above. For 4 units you will also need to report on a paper on Leibniz algebras.