Math 199B Winter 2017 (Course Code 45351) Independent studies on non associative algebra

- Meeting details: weekly lectures on Friday 2:00-3:00 in RH 440R
- Main source for material: Lecture Notes on algebras and triple systems, by Kurt Meyberg, University of Virginia, 1972
- Material to be covered
 - Fall 2016 (Math 199A): Chapters 1,2,3,4
 (Associative algebras and triple systems)
 (already mostly done—will be reviewed as necessary)
 - Winter 2017 (Math 199B): Chapters 7,8,9 (Jordan algebras)
 - Spring 2017 (Math 199C): Chapters 6,10,11,12 (Lie and Jordan triple systems)
- Instructor: Bernard Russo. Office Hours: by prior arrangement.
- Grading: There are no midterms or final. You may audit this course if you wish. You are allowed to enroll for 2, 3, or 4 units. If you enroll for credit you can choose to receive a letter grade or the P/NP option. Your grade will be determined as follows
 - **2 units** Submit solutions to a total of 12 exercises from 199A or 199B, according to the following **STRICT** deadlines (A grace period of a few days will apply to each deadline)
 - January 27 (end of week 3): 3 problems of your choice from 199A #7-23 or 199B. (At least one from each quarter)
 - February 17 (end of week 6): 3 problems of your choice from 199A #7-23 or 199B. (At least one from each quarter)
 - March 10 (end of week 9): 3 problems of your choice from 199A #7-23 or 199B. (At least one from each quarter)
 - March 24 (end of week 11—finals week): 3 problems of your choice from 199A #7-23 or 199B. (At least one from each quarter)
 - **3 units** Read (with my help) and report on a research paper (or part of another text), according to the following deadlines (A grace period of a few days will apply to each deadline):
 - February 3 (end of week 4) Outline of your project
 - March 3 (end of week 8) Preliminary report on your progress
 - March 24 (end of week 11—-finals week) Project due.

Suggestions for materials will be posted on the website.

4 units Both of the above two requirements.