Classroom:	PKH 487, Tues & Thurs pm
Contact info:	PKH 462, 817-272-3932, vancliff@uta.edu
Web:	http://www.uta.edu/math/vancliff/T/S11
Office Hours:	Tues & Thurs , or by appointment
Text Book:	none
Tests:	none
Grading:	homework solutions (due every 2 or 3 weeks), attendance, participation & presentation of some material
Important Dates:	Wed Feb 2 = Census Date Mar 14-18 = Spring Break, Fri April 1 = last day to drop course with W, Thur May 5 = last class.

COURSE CONTENT & LEARNING OUTCOMES

Expected Learning Outcomes: upon completion of this course, for any of the topics listed below, you should be able to: 1. write the definition of many of the terms; 2. solve problems; 3. construct correct & detailed mathematical arguments to justify your claimed statements, i.e., write proofs of some basic results.

This course will discuss various topics in non-commutative algebra. The main topics to be covered will likely come from the following: why algebra is useful to physicists, modules, regular algebras, use of algebraic geometry in non-commutative algebra, constructions to build new algebras from old, Lie groups, Lie algebras, quantum groups/algebras, growth of algebras, Poisson algebras, PI rings, rings with a large center, Lie superalgebras, though other topics might also be discussed.

The main focus throughout will be on examples, theory and ideas. There might be a little focus on computational aspects, but not much.

Some new ideas will be introduced in the homework, and lectures will appeal to the homework from time to time. The homework will be given out in class, and possibly also posted at my website, and revised from time to time.

HELP OUTSIDE CLASS TIME

Feel free to ask me questions during class, after class & in office hours. You can also e-mail me your questions, or e-mail me to schedule an appointment. My office hours are times I am planning to be in my office where you can drop by without an appointment.

My web page (given above) will list miscellaneous information pertinant to this course. You are advised to check it every couple of days.

I also recommend that, if possible, y'all discuss the class material with each other & collaborate on homework. Being able to converse mathematically is a skill, & is practiced by discussion with classmates & with the instructor.

DISABILITY ACCOMMODATIONS

The University of Texas at Arlington is on record as being committed to both the spirit and letter of federal equal opportunity legislation; reference Public Law 93112 — The Rehabilitation Act of 1973 as amended. With the passage of the Americans with Disabilities Act (ADA), pursuant to Section 504 of the Rehabilitation Act, there is renewed focus on providing this portion of the population with the same opportunities enjoyed by all US citizens. In particular, students in this situation should notify the Disabilities Office at the start of the semester with official authorized documentation. Furthermore, if a student has an officially recognized disability, and would like special arrangements, then s/he should notify me ASAP.

SCHOLARLY INTEGRITY/BEHAVIOR

It is the philosophy of The University of Texas at Arlington that academic dishonesty is a completely unacceptable mode of conduct and will not be tolerated in any form. All persons involved in academic dishonesty will be disciplined in accordance with University regulations and procedures. Discipline includes suspension or expulsion from the University and a grade of FAIL in the class given to involved student(s). Part One, Chapter VI, Section 3, Subsection 3.2, Subdivision 3.22 of the Regents' Rules and Regulations states the following. "Scholastic dishonesty includes, but is not limited to, cheating, plagiarism, collusion, the submission for credit of any work or material that are attributable in whole or in part to another person, taking an examination for another person, any act designed to give unfair advantage to a student or the attempt to commit such acts".

The University reserves the right to impose disciplinary action for any kind of infraction of University policies. Engagement in conduct which disrupts, obstructs or interferes with activities authorized by the University will result in disciplinary action against the perpetrator(s). Such action includes leaving and returning to the room frequently. It also includes the use of a cellular phone, ringing cellular phones, etc.

TUITION AND GRADE REPLACEMENT/EXCLUSION

If you are dropped from this class for nonpayment of tuition, you may secure an Enrollment Loan through the Bursar's Office. You may not continue to attend class until your Enrollment Loan has been applied to outstanding tuition fees. For other UTA information, such as grade replacement/exclusion (for undergrads), see http://www3.uta.edu/registrar/gradeExclusion.asp and http://www3.uta.edu/registrar/grade_replacement.asp .