<u>Instructor:</u>	Dr. Christopher Seaton
<u>Office:</u>	320 Ohlendorf Hall
<u>Office Hours:</u>	MW: 1:00pm to 2:30pm
	TR: 10:00am to 10:50am *or by appointment*
<u>Phone:</u>	x3721
<u>E-mail:</u>	seatonc@rhodes.edu
<u>Web:</u>	http://www.faculty.rhodes.edu/seaton/

Course Description:

This course will introduce the student(s) to Lie groups via matrix groups. We will work through the text *Matrix Groups for Undergraduates* by Kristopher Tapp, aiming to complete the text by the end of the semester. Time permitting, we will continue to study more advanced topics from other texts.

Course Prerequisites:

Math 362 (Abstract Algebra) and Math 321 (Real Analysis)

Office Hours:

Students are **strongly** encouraged to take advantage of my office **hours and to make appointments when my office hours are not convenient**. My schedule is posted online at http://faculty.rhodes.edu/seaton/schedule.htm and on the door of my office. Please consult this schedule before suggesting an appointment time (particularly via e-mail).

Attendance Policy and Meetings:

You will be required to attend a weekly hour-and-fifteen-minute meeting each week. If you need to reschedule a meeting, you must notify me as soon as possible, preferably 24 hours in advance. At each weekly meeting, you will hand in the previous week's homework assignment and will be required to present and/or discuss problems from the assignment. We will discuss the reading, and I will answer questions and lecture as appropriate.

Grading:

You will be given a participation grade at each meeting based on your presentation of the problems and understanding of the reading. Additionally, you will receive a grade for each weekly homework assignment. A cumulative written final exam will be given at the end of the semester.

Your letter grade for the course will be based on the following scale:

A	[93, 100]	B-	[80, 83)	D+	[67, 70)
A-	[90, 93)	C+	[77, 80)	D	[63, 67)
B+	[87, 90)	C	[73, 77)	D-	[60, 63)
B	[83, 87)	C-	[70, 73)	F	[0, 60)

The total percentage will be computed as follows:

Attendance/Participation:	30%
Homework:	40%
Final Exam:	30%

Honor Code:

All students are expected to conduct themselves within the guidelines of the College's Honor Code. Please ask me if you have any questions about what is allowed. I reserve the right to reduce a student's grade in the event of plagiarism whose intent cannot be verified.

Students With Disabilities:

If you have or think you may have a documented disability, please contact me and the Office of Student Disability Services as early in the semester as possible.