Modern Algebra I – MATH 5030-4030, Fall 2018

Course Information: Modern Algebra I – MATH 5030-4030, Fall 2018, Math Science Bldg. 445, MWF 1:30PM - 2:20PM.

Instructor: XXX, `email:  xxx@bgsu.edu`, MSC XXX.
`Office Hours:`
- Monday from 2.30PM to 3.20PM,
- Wednesday from 12.30 PM to 1.20 PM,
- Friday from 12.30 PM to 1.20 PM,
- By appointment (send me an email to make an appointment).

Updates and other announcements will be made through MyBGSU – Canvas `http://my.bgsu.edu`.

Text: Contemporary Abstract Algebra (seventh edition) by Joseph Gallian.

Course Content and Goals: The aim of this course is to give a short introduction in group theory. We will cover the first eleven sections from the book. We will also cover a few applications of abstract algebra.

Learning Outcomes: At the end of the semester you will have a better understanding and appreciation of abstract Mathematics. You will be able to comprehend and communicate several abstract mathematical concepts (assessment methods: exams, quizzes, homework). You will also be able to use abstract algebra to solve concrete problems (assessment method: project).

Examinations and Grading: Your final grade will be based upon the following weights:
Homework (every week but only the best 10 will count) 15 %
Project (Wednesday December 5 from 6.00 to 9.00PM) 10%
Quizzes (every week but only the best 10 will count) 20%
Exam 1 (Friday, September 28, in class) 15 %
Exam 2 (Friday, November 16, in class) 15%
Final Exam (Wednesday Dec. 12 from 11:30AM – 2:00 PM) 25 %
Graduate students will have extra homework (*), and they will be asked to solve at least one extra problem on midterms and the final exam.
Your grade will be determined according to the following grading scale:
`A: 90-100%,`
`B:80-90%,`
`C:70-80%,`
`D:60-70%,`
`F:0-60%.`

Instructional Strategies: Interactive lecture, small group work in class, office hours and project presentation.

Absence from examination: Unless you have a documented medical or other valid excuse, you are expected to attend each exam as scheduled. The penalty for an absence not excused is a 0 grade on that exam/quiz/homework. If at all possible, you should notify me before the missed assignment.

Attendance: It is your responsibility to know what happens in class. The best way to fulfill this obligation is to come to every class meeting if possible, although I do not take attendance. Much of the time in class will be spent elaborating on text material, reviewing previous material and explaining concepts in several different ways. It is important that you are present at every class meeting.

Support for Student Success: You are welcome to attend office hours (you do not need an appointment for this). If you want to meet with me outside of regular office hours you can contact me by e-mail to arrange a meeting time. You are encouraged to visit Math and Stat Tutoring Center at the Learning Commons www.bgsu.edu/learningcommons where knowledgeable and qualified tutors are ready and willing to help (when this becomes available). Your success is in your hands. If you are willing to put effort you will succeed in this class.

Students with disabilities: If you have a diagnosed disability which will make it difficult for you to carry out the course work as outlined, or requires accommodations, please advise me during the first week of course so we may review possible arrangements for reasonable accommodations. Students with disabilities must verify their eligibility through the Office of Accessibility Services, 38 College Park Office Building, 419-372-8495.

Academic Dishonesty: I will choose the most severe penalty that university regulation permit.

Suggestions: I would expect you to spend at least 10 hours every week for this class. Of these, 3 hours need to be spent in focused reading of the text and class notes, 4 hours to solve your homework problems and 3 hours to prepare quizzes and exams.

Good Luck!