Math 466, MWF 10:00, Room E104

Lecturer: Alexander Hulpke, Weber Room $|S_5| = 5!$

Office Hours: See `http://www.math.colostate.edu/~hulpke/officetimes.html`
Tentatively: M11, W3 – let me know if these times do not work for you.

Email: `hulpke@colostate.edu`

WWW: `http://www.math.colostate.edu/~hulpke/lectures/m466`

Textbook: This being a seniour level class I will not follow a textbook slavishly. There are many texts on abstract algebra that will cover the material of this class, a free text that does so is:

> Frederick M. Goodman, Algebra: Abstract and Concrete, Edition 2.6, 2014, SemiSimple Press Available freely at `https://aimath.org/textbooks/approved-textbooks/goodman/`

Exams

There will be one midterm on October 9 in class, a poster session on Thu, Dec.12, 9-11am, as well as a final scheduled on December 20, at 7.30am. Please let me know soon if there are conflicts with other classes.

Grades

will be based on midterm and final (20% each), as well as homework+poster (60%) with homework alone providing up to 60% and the poster providing up to 15% and their sum being capped at 60%. That is if each exam, all homework and the poster offer each offer up to 100 points, the score is calculated as:

$$\frac{1}{5}\left(MT + FIN\right) + \frac{3}{5}\min\left(100, HW + \frac{1}{4}POS\right)$$

Grades will be given on a linear scale with about 50% corresponding to D and 90% to A.

I expect to see you regularly in class and to regularly hand in solutions to the homework problems.

For privacy reasons the university does not permit open posting of grade information. Because of this, grades for the final and overall grades will be posted in Canvas. (Canvas will only be used for posting grades and no other tools will be used. I will not read messages posted in Canvas.)

Computer use

Some problems will involve calculations that would be tedious to do by hand or with a simple pocket calculator. For these we will be using the computer algebra system GAP.

If you want to install it on your home PC (Linux/Windows/Mac) you can download the program from `http://www.gap-system.org`. You also can run small snippets of code at `https://tio.run/#gap`.

More about it later.

Homework

Homework will be handed out every wednesday in class, and is due at the start of the lecture of the friday of the following week. Late homework will be accepted only if the delay is due to reasons beyond your control.

Poster session

The class participates in the departmental poster session on December 12, 9-11am and I would encourage you to submit a poster. Posters will be about topics relevant to Abstract Algebra, from a list of topics that will be provided later in class (or a topic of your choosing that I have approved). If you would like the poster to count towards the grade you need to tell me the topic you choose by October 21, and I will need to see (email me a PDF or a photo) a draft of the poster by December 2.

Academic Integrity

This course will adhere to the CSU Academic Integrity Policy as found on the Student' Responsibilities page of the CSU General Catalog and in the Student Conduct Code.

At a minimum, violations will result in a grading penalty in this course and a report to the Office of Student Resolution Center.

Disabilities

If you are a student who will need accommodations in this class due to a disability or chronic health condition, please provide me the SDC (Student Disability Center) accommodation letter. If you do not already have these accommodation letters please contact the SDC as soon as possible to initiate the process of setting up accommodations. The SDC is located on the room 121 of the TILT building. You can reach them by phone at 970-491-6385 or visit `www.disabilitycenter.colostate.edu`.

I wish you success with this course and all the best for the coming semester.