

MATH 215 (CRN 38401) , FALL 2018
MWF 2-2:50
AH 303

- Instructor : Kevin Whyte (kwhyte@uic.edu)
- Office Hours (SEO 515) : W 3-4, F 1-2, and by appointment
- Course website : www.math.uic.edu/~kwhyte/math215.html

Overview. The goal of this course is to learn how to create and write mathematical proofs, and to learn the role that proofs play in mathematics. We will introduce and study some of the most common methods of proof and apply them in many different contexts. Along the way we will also learn some important mathematical language and concepts used in advanced mathematics courses. The class will largely be built around group work in class and analysis and critique of other students work. As such attendance is essential as is completing the assignments in advance of each class meeting. Because of this, late assignments will not be accepted. Each student will be allowed a small number of absences and missed assignments, with any beyond this allowance reducing their grade. If you must miss a class, please contact me as soon as possible to learn what material was missed and any assignments that were given. The priority is to develop fluency with the basics of mathematical proof and discourse and we are far more concerned with the depth of understanding rather than the breadth. New material will be only be introduced once the previous material has been adequately absorbed, so precisely what material will be covered and the timing of the material will be different, possibly dramatically so, depending on the class composition. The assignments will be given in class, and any extra background material will be distributed as notes via the web site and/or physically in class. There is no required textbook, although some students may find it helpful to reference:

”An Introduction to Mathematical Reasoning”, by P. Eccles, Cambridge University Press. ISBN:9780521597180

Grading. The class grade will be based on:

- Participation/homework : 30 %
- Midterm exams : 20 % each (taken in class on Fri Oct 5 and Nov 2)
- Final exam : 30 % (Wed, Dec 12, 1-3pm, room TBD)

Homework and participation will be graded on effort, not correctness, and students are encouraged to work together. The midterm exams will be given in class during the normal class time and will be individual and closed book. The final exam will be comprehensive and will be given during finals week

as per the university schedule, and the room will be announced in class and on the web page as soon as it is determined.

Academic Integrity. All UIC students are expected to maintain the standards of academic honesty described in the Guidelines for Academic Integrity available from the Office of the Vice Chancellor for Student Affairs web page:

[http : //www.vcsa.uic.edu/MainSite/departments/deanofstudents/](http://www.vcsa.uic.edu/MainSite/departments/deanofstudents/)

In particular, this policy prohibits plagiarism and giving or receiving aid on an examination.

Religious holidays. Students who wish to observe their religious holidays shall notify the faculty member by the tenth day of the semester of the date when they will be absent unless the religious holiday is observed on or before the tenth day of the semester. In such cases, the student shall notify the instructor at least five days in advance of the date when he/she will be absent. The instructor will make every reasonable effort to honor the request, not penalize the student for missing the class, and if an examination or project is due during the absence, give the student an exam or assignment equivalent to the one completed by those students in attendance.

Disability Accommodation. The University of Illinois at Chicago is committed to maintaining a barrier-free environment so that students with disabilities can fully access programs, courses, services, and activities at UIC. Students with disabilities who require accommodations for access to and/or participation in this course are welcome, but must be registered with the Disability Resource Center (DRC). You may contact DRC at 312-413-2183 (v) or 773-649-4535 (VP/Relay) and consult the following: <http://drc.uic.edu/guide-to-accommodations>.

UIC Resources. If you find yourself having difficulty with the course material or any other difficulties in your student life, dont hesitate to ask for help! Come to me, or if it is about an issue beyond this class, please contact your college advisors, or get help from any number of other support services on campus. You can get a referral to the right place, or help on the spot, from concerned advisor in the Undergraduate Success Center (USC) at usc@uic.edu.

See also:

- The Science and Learning Center, located in the Science and Engineering South Building (SES) 201B, is a meeting place for students in Biological Sciences, Chemistry, Earth and Environmental Sciences, and Physics. At the SLC, students can meet with graduate teaching assistants for tutoring in 100-level courses, arrange informal group study sessions with other students, or meet up with friends to attend one of the workshops, seminars, or other activities sponsored by the SLC during the semester.

- The UIC Library The library is located both on east and west campus, provides access to resources, study rooms, and research support both online via chat and in person. At Daley Library on the east side of campus, stop by the reference desk in the IDEA Commons, or make an appointment for research help on either side of campus.
- Public Computer Labs These labs are available throughout campus where you may write and/or print out your work. For a list of labs and the hours they're open, go to www.accc.uic.edu/pclabs. NOTE: Do not wait until the last minute to print out papers. Sometimes labs have long lines of students waiting for access.
- The Academic Center for Excellence can help if you feel you need more individualized instruction in reading and/or writing, study skills, time management, etc. Phone: (312) 413-0031.
- Counseling Services are available for all UIC students. You may seek free and confidential services from the Counseling Center. The Counseling Center is located in the Student Services Building; you may contact them at (312) 996-3490. In addition to offering counseling services, the Counseling Center also operates the InTouch Crisis Hotline from 6:00 p.m.-10:30 p.m. They offer support and referrals to callers, as well as telephone crisis interventions; please call (312) 996-5535.
- Under the Title IX law you have the right to an education that is free from any form of gender-based violence and discrimination. Crimes of sexual assault, domestic violence, sexual harassment, and stalking are against the law and can be prevented. For more information or for confidential victim-services and advocacy contact UICs Campus Advocacy Network at 312-413-1025. To make a report to UICs Title IX office, contact Rebecca Gordon, EdD at TitleIX@uic.edu or (312) 996-5657.