

Class Meetings Monday and Wednesday, 2:20 pm – 3:45 pm, DH 249

Professor: Alistair Windsor
 355 Dunn Hall
awindsor@memphis.edu
 Office hours: To be determined.

Important Dates:

Aug 24	First day of classes
Sep 6	Drops after this date will receive “W”
Sep 7	Labour Day
Oct 10 – 13	Fall Break
Oct 14	Mid-Term Exam
Oct 16	Last Day to drop with “W”
Nov 25 – 29	Thanksgiving
Dec 2	Classes End
Dec 9	Final Exam

Required Text: Elementary Number Theory,
 David M. Burton,
 McGraw-Hill Education,
 6th of 7th edition preferred.
 This represents a change from the book in the system. My heartfelt
 apologies for this change.

Piazza: This term we will be using Piazza for class discussion. The system is
 designed to gett you help fast and efficiently from classmates, and myself.
 Rather than emailing questions directly to me, I encourage you to post
 your questions on Piazza.
 Find our class page at:

<https://piazza.com/memphis/fall2015/math3221/home>

If you have any problems or feedback for the developers, email

team@piazza.com

Email: I will use your University email address to communicate with you. If
 you don't use your University email address you may go to [http://iam.
 memphis.edu](http://iam.memphis.edu) and forward your email to an off campus email address.

Course Description: Divisibility properties of integers; prime numbers; congruences; Diophan-
 tine equations; quadratic residues; number theoretic functions; Fermats
 theorem and Eulers generalization; applications to cryptography; qua-
 dratic reciprocity law.

Assessment:	Participation	5%
	Chapter Review Notes	10%
	Homework	30 %
	Mid-Term Exam	Oct 14, 2:20 pm - 3:45 pm 25 %
	Final Exam	Dec 9, 1 pm - 3 pm 30 %

Exam Schedule: There will be two examinations for the course; an in-class mid-term and a final examination. Both will be closed book exams.

Homework: Homework will be assigned on a weekly basis. Each assignment will be weighted equally. Not all problems will be graded. The lowest homework grade will be dropped. Homework must be neatly written and stapled. *No late homework will be accepted without prior permission.*

Strategies for Success Successful students will

- Attend class and participate
- Treat their classmates with respect and keep criticism constructive.
- Complete the homework with complete and logically organized solutions written in complete sentences. These will be neatly written ready for presentation.
- Come to office hours with specific questions

Academic Integrity The University of Memphis Code of Student Conduct - Academic Dishonesty defines academic misconduct as "all acts of cheating, plagiarism, forgery and falsification."

For further information please consult the *Code of Student Rights and Responsibilities* at <http://saweb.memphis.edu/judicialaffairs/pdf/CSRR.PDF>

Disabilities: Any student who may need class or test accommodations based on the impact of a disability is encouraged to speak with me privately to discuss your specific needs. Students with disabilities should also contact Student Disability Services (SDS) at 110 Wilder Tower, 678-2880. SDS coordinates reasonable accommodations for students with documented disabilities.