Math 171: Discrete Mathematical Structures
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Text: Discrete Mathematics with Applications,
4th Ed. Susanna Epp
Web Site: http://www4.wittenberg.edu/academics/mathcomp/shelburne/math171/index.html

Overview of Course
Introduction: Statements, Sets, Relations (Ch. 1)
Propositional (Ch. 2) and Predicate Logic (Ch. 3)
Doing Proofs – Elementary Number Theory (Ch. 4)
Mathematical Induction and Recursion (Ch.5)
Set Theory (Ch. 6)
Functions (Ch. 7) and Relations (Ch. 8)
Counting and Discrete Probability (Ch. 9)
Graphs and Trees (Ch. 10)

Course Mechanics
Course Mechanics (cont.)
Class Attendance Policy
20 point bonus if no more than 3 unexcused absences
One-Time Test Retake Option
May re-do an in-class test as a take home; grade will be averaged with in-
class grade.
One time only offer!
Academic Integrity
Zero for test or quiz & report made to Honor Council
In addition if a violation on a quiz, 10 points deducted from 100 quiz grade
Read the Textbook – Do the Examples
Responsible for “Test Yourself Questions”
Questions or difficulties?
Ask me (office hours or see me after class); Ask a friend; Math workshop

Course Mechanics
Grading:
<table>
<thead>
<tr>
<th>Course Grade</th>
<th>Percentage</th>
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<tbody>
<tr>
<td>A</td>
<td>93%</td>
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<tr>
<td>A-</td>
<td>90%</td>
</tr>
<tr>
<td>B+</td>
<td>87%</td>
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<tr>
<td>B</td>
<td>83%</td>
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<tr>
<td>B-</td>
<td>80%</td>
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<tr>
<td>C+</td>
<td>77%</td>
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<tr>
<td>C</td>
<td>73%</td>
</tr>
<tr>
<td>C-</td>
<td>70%</td>
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</tbody>
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Homework:
Due each class – may be handed in 1 class late
Expectation is that all homework is correctly done & understood
Homework Rules: in pencil; copy question; show work; clearly indicate
answer; neatness counts; use clean ruled 3-hole notebook paper etc.

Quizzes:
Questions taken directly from homework problems & textbook examples
No make-ups but you can take a quiz early if I’m contacted first
Lowest quiz grade dropped at end of course

Course Mechanics (cont.)
For each class I will hand out copies of the notes!
copies can be found on web-site
bring your textbook [and graphing calculator] to class!
 generally I will not go over homework questions – however if you have
homework questions you may e-mail me before class and I’ll see what I
can do. I’m more than willing to go over homework outside of class!
my expectations are that you will have done the reading before coming to
class
I will ask for volunteers or call on people to present problems done “in-
class” (you talk – I’ll write)

Classroom Behavior
1. switch off cell phones – no texting in class
2. Please do not get up in the middle of class to visit the water fountain
or rest room

Finally – Your learning in this course is important to me. I
invite you to talk with me about ways to ensure your full
participation in this course. Please be aware that Wittenberg
is committed to providing reasonable accommodations for
students with documented disabilities. If you are eligible for
course accommodations because of a disability, you need to
register with the Academic Services Office, 206 Recitation
Hall. After you register, give me your self-identification memo
from Academic Services and arrange to talk with me about
your learning needs privately in a timely manner. Early
identification at the start of the term is essential to ensure
timely provision of services. If you have questions or would
like more information about services for students with
disabilities, please contact the Academic Services, 206
Recitation Hall, extension 7891 or by e-mail at
rperry@wittenberg.edu