MTH 220 – Discrete Mathematics
Fall 2012

Instructor: Carol Overdeep  Office: OM 429
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Office Hours: MWF 10–10:50, 1–1:50; T 12–12:50; by appointment, or drop in
Webpage: http://homepages.stmartin.edu/fac_staff/coverdeep/

Other: Coursepack of class notes
Goal: Post class notes on course Moodle page

Course Prerequisite: MTH 172 (or equivalent) with C- or better.

Course Objectives:
♦ Introduce methods of proof employed in mathematics, logic, and computer science.
♦ Develop ability to construct and write rigorous mathematical proofs.
♦ Cover topics from logic, set theory, algorithm analysis, number theory, and graph theory.
♦ Enhance problem solving skills and hone critical thinking abilities.

Exams and Grading:
♦ Homework 20% IMPORTANT: NO EXTRA CREDIT
♦ Exams 1/2/3 60% (each exam 20%)
♦ Final 20% Tuesday, December 11, 2012, 1–3

Homework:
♦ Homework may be done in groups (each student must hand in an assignment).
♦ Homework includes in-class assignments. These can not be made up.
♦ Assigned problems are on a separate handout as well as on my webpage.
♦ Due dates will be announced in class.
♦ Late homework will be penalized/not accepted.
  ○ Homework will be considered late if not in my office by 3:30 on the due date
    unless prior arrangements have been made.
  ○ Homework will be accepted until the assignment is returned to the class–but
    it will be penalized unless prior arrangements have been made.

Exams 1/2/3:
♦ Make-up exams will not be possible without prior arrangements–and the
  reason for missing an exam must be compelling and perhaps more importantly,
  documented. Exams taken after the scheduled date will be more difficult.
♦ Exams will resemble homework problems and problems done in class.

Final Exam:
♦ Will be cumulative.
General Philosophy/Attendance:

◊ College prepares you for a professional position.
◊ In the working world, you are responsible for your career and you are accountable for your decisions. For example, class attendance is expected (just as you are expected to go to work), but not required.

Important Dates:

<table>
<thead>
<tr>
<th>Event</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Labor Day (Holiday)</td>
<td>September 3, 2012</td>
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<tr>
<td>Last Day to Change/Add a Class</td>
<td>September 7, 2012</td>
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<tr>
<td><strong>First Exam</strong></td>
<td><strong>September 25, 2012</strong></td>
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<tr>
<td><strong>Second Exam</strong></td>
<td><strong>October 23, 2012</strong></td>
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<tr>
<td>Last Day to Withdraw From a Class</td>
<td>October 26, 2012</td>
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<tr>
<td>Saint Martin’s Day (Holiday)</td>
<td>November 12, 2012</td>
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<tr>
<td><strong>Third Exam</strong></td>
<td><strong>November 20, 2012</strong></td>
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<tr>
<td>Thanksgiving Break (Holiday)</td>
<td>November 23, 2012</td>
</tr>
<tr>
<td>Last Day of Classes</td>
<td>December 6, 2012</td>
</tr>
<tr>
<td>Final Exam</td>
<td>December 11, 2012, 1-3</td>
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</tbody>
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Students with Disabilities:

If you need course adaptations or accommodations because of a disability, if you have a medical and/or safety concern to share with me, or if you need special arrangements in case the building must be evacuated, please make an appointment with me as soon as possible.