College of Southern Nevada
Distance Education: Math 120 – Foundations of College Mathematics
Syllabus – Fall 2012

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Course Description & Outcomes

Topics include problem solving, sets, probability, statistics, geometry, and consumer mathematics. It may include logic, mathematical systems, measurement, and graph theory. Course is broad in scope, emphasizing applications. Prerequisite: MATH 096 or MATH 097 with a grade of C or better; or a satisfactory ACT/SAT/Placement Test score. Upon completion of Math 120, students will be able to:

- Determine the probability and odds of an event.
- Determine the expected value of an event.
- Read, create and understand tree diagrams.
- Work with basic statistical operations.
- Identify, interpret, and create various statistical graphs and plots.
- Calculate perimeters and areas.
- Work with congruent and similar triangles.
- Solve problems involving simple and compound interest.
- Perform basic calculations with installment buying and mortgages.
- Apply and extend all concepts.

MyMathLabPlus Required / No Textbook Required

You are not required to purchase a textbook for this course. The textbook is available online. However, you will need to purchase an access code for MyMathLabPlus (Pearson) from the CSN bookstore.

MyLabsPlus Login and Online Registration
Students can access the course starting on August 27, 2012. The course will have open access for the first two weeks of the semester. This means that you will not need the MyMathLabPlus access code until the start of the third week.

**Login Steps:**

2. Enter your **login name** (your NSHE ID number) and **password** (last four digits of your Social Security Number) and then click the Login button.
3. Click on the name of your course in the course list.
4. After the second week of the course, you will be prompted to enter your PIN access code. Enter your PIN code in the field and then click the button titled “Access Course”.
5. Click on an assignment or learning aid link within the course. You will first be prompted with the License Agreement and Privacy Policy page. Click **I Accept** once you have read the terms of use.

**Technology Problems**

If you have any computer related problems, you can contact Pearson’s MyLabsPlus Product Support at 1-888-883-1299.

**Course Outline**

This course will cover the following sections from *Mathematical Ideas; 12th Edition*. The textbook is online.

- Ch 2 – Sections: 2.1, 2.2, 2.3
- Ch 9 – Sections: 9.1, 9.2, 9.3, Trigonometry section, 9.4
- Ch 10 – Sections: 10.1, 10.2, 10.3
- Ch 11 – Sections: 11.1, 11.2, 11.3, 11.5
- Ch 12 – Sections: 12.1, 12.2, 12.3, 12.4, 12.5
- Ch 13 – Sections: 13.1, 13.2, 13.4

**Course Homework**

The homework assignment for each section must be completed with a score of 80% or better before you are allowed to move on to the next section. You can redo any homework problem multiple times to achieve the required score.

**How do I redo a homework problem?** Go back to the problem that you missed. Click on the “Similar Exercise” button at the bottom of the problem box. You will now be able to work on a similar problem to the one that you missed. If you answer the problem correctly, your score will improve. If you miss it, click the “Similar Exercise” button again for another problem.

Completing the homework is the best way to understand and learn the material. However, the
homework scores **will not** count in your final grade. The homework is designed to prepare you for the exams.

**Chapter Exams**

There will be six (6) Chapter Exams for this course. Do not begin an exam unless you are sure you are ready. You cannot access any other webpage or application while taking your exam. If you do, you will not be allowed to continue the exam. Of course, you get only one try and your score counts for all exams.

**Please Note:** The Sample Tests and Quizzes in MyLabsPlus are not part of the course, and are not required.

**Final Exam (Not Online)**

The Final Exam is **not** online. The Final Exam is a proctored paper exam that you will take in person. If you live in another state (or country), arrangements can still be made. However, you will need to contact the instructor as soon as possible. Please plan now to attend one of the Final Exam sessions listed below.

- **Location:** CSN West Charleston Campus
- **Dates, Times, & Rooms:**
  - **Tuesday December 11th**
    - 6:00 pm – 8:00 pm Room “To Be Determined”
  - **Wednesday December 12th**
    - 8:00 am – 10:00 am Room “To Be Determined”

**Please Note:** The room number for the Final Exam sessions will be emailed to the students once the information becomes available.

**Getting Started**

To get to the first assignment, click on the “Homework” button and then click on HW #1. Before you start on a homework assignment, you might want to do the following.

1) Read the corresponding chapter notes (provided in MyLabsPlus)
2) Read the corresponding section in the textbook (provided in MyLabsPlus)
3) Watch the corresponding video lecture (provided in MyLabsPlus)

I highly recommend that you at least review the notes for each chapter before trying the homework problems. Remember, you can redo any homework assignment as many times as needed until you get the required score to move on to the next section. **Also, if you cannot do a problem and get stuck, try clicking on the “Help Me Solve This” button for immediate help.** Once you have completed all the homework assignments for a chapter, you will then take the Chapter Exam. Of course, you get only one try and your score counts for all exams.
Due Dates / Course Schedule

It is the student’s responsibility to complete all required activities by the corresponding due date. There is no acceptable excuse for missing a due date. This includes technical difficulties (or other computer problems), children, illness, deaths in the family, traffic court, vacations, or any other legitimate (or imaginary) problems. Below is the course schedule. Assignments are available for an extended period of time so that students can make appropriate arrangements to complete the required work. Thus, any missed assignment will be scored as a zero, and no make-up work of any kind will be offered.

<table>
<thead>
<tr>
<th>Dates Available</th>
<th>Assignments</th>
<th>Due</th>
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</thead>
<tbody>
<tr>
<td>Aug 27 - Sept 7</td>
<td>HW #1, HW #2 HW #3, Exam #1</td>
<td>Sept 7 @ 11:59 pm</td>
</tr>
<tr>
<td>Sept 10 - Sept 21</td>
<td>HW #4, HW #5, HW #6 HW #6 (B), HW #7, Exam #2</td>
<td>Sept 21 @ 11:59 pm</td>
</tr>
<tr>
<td>Sept 24 - Oct 5</td>
<td>HW #8, HW #9 HW #10, Exam #3</td>
<td>Oct 5 @ 11:59 pm</td>
</tr>
<tr>
<td>Oct 8 - Oct 19</td>
<td>HW #11, HW #12, HW #13 HW #14, Exam #4</td>
<td>Oct 19 @ 11:59 pm</td>
</tr>
<tr>
<td>Oct 22 - Nov 2</td>
<td>HW #15, HW #16, HW #17 HW #18, HW #19, Exam #5</td>
<td>Nov 2 @ 11:59 pm</td>
</tr>
<tr>
<td>Nov 5 - Nov 16</td>
<td>HW #20, HW #21 HW #22, Exam #6</td>
<td>Nov 16 @ 11:59 pm</td>
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<tr>
<td>Nov 19 - Nov 30</td>
<td>HW #23, HW #24</td>
<td>Nov 30 @ 11:59 pm</td>
</tr>
<tr>
<td>Dec 11 or Dec 12</td>
<td>Final Exam</td>
<td>@ CSN - West Charleston Campus</td>
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Course Average Calculation

All the exams, including the Final Exam, are weighted the same. So to compute your course average, just calculate the average of all your exams including the Final Exam. Your current course average is always available online in the MyLabsPlus system.

Course Ave. = \( \frac{(\text{Exam 1} + \text{Exam 2} + \text{Exam 3} + \text{Exam 4} + \text{Exam 5} + \text{Exam 6} + \text{Final Exam})}{7} \)

Grade Scale

The following scale will be used to determine your final grade for the course.
<table>
<thead>
<tr>
<th>Grade Range</th>
<th>Letter Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>90 – 100</td>
<td>A</td>
</tr>
<tr>
<td>80 – 89</td>
<td>B</td>
</tr>
<tr>
<td>70 – 79</td>
<td>C</td>
</tr>
<tr>
<td>60 – 69</td>
<td>D</td>
</tr>
<tr>
<td>0 – 59</td>
<td>F</td>
</tr>
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</table>

**Student Responsibilities**

- **Course Withdraw:** It is the student’s responsibility to withdraw from the course before the appropriate deadline. The instructor will not withdraw students.
- **Calculators:** You are allowed to use a calculator for this course.
- **Academic Dishonesty:** Academic dishonesty will not be tolerated. Any incident of academic dishonesty could result in failing the course.
- **Disabilities:** If you have a documented disability that may require assistance, you will need to contact the Disability Resource Center (DRC) for coordination of your academic accommodations. The DRC is located in Student Services on each campus. The phone numbers for each DRC office are: West Charleston 651-5644, Cheyenne 651-4045, and Henderson 651-3795.

**CSN Tutoring Services**

<table>
<thead>
<tr>
<th>CHARLESTON TUTORIAL SERVICES</th>
<th>CHEYENNE TUTORIAL SERVICES</th>
<th>HENDERSON TUTORIAL SERVICES</th>
</tr>
</thead>
<tbody>
<tr>
<td>6375 West Charleston Blvd.</td>
<td>3200 East Cheyenne Ave.</td>
<td>700 College Drive</td>
</tr>
<tr>
<td>Bldg D – Room 203</td>
<td>Room 2100 (Library)</td>
<td>Bldg. C – Computer Lab</td>
</tr>
<tr>
<td>Las Vegas, Nevada 89146</td>
<td>N. Las Vegas, Nevada 89031</td>
<td>Las Vegas, Nevada 89015</td>
</tr>
<tr>
<td>Phone: (702) 651-5732</td>
<td>Phone: (702) 651-4232</td>
<td>Phone: (702) 651-3125</td>
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**Changes**

Course requirements are subject to change at the discretion of the instructor. The instructor will communicate any changes to the class.