College of Southern Nevada
Distance Education: Math 132 – Finite Mathematics
Syllabus – Fall 2015

Instructor: David Hervey
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Office Hours: Mondays 9:00 – 11:00 am & Tuesdays 9:00 – 9:30 am

Course Description, Prerequisites & Outcomes

Topics include symbolic logic, set theory, and probability theory applied to the analysis of business and social science problems. Prerequisite: Math 124 or Math 126 or Math 128 all with a grade of C or better; or a satisfactory ACT/SAT/Placement Test score. Upon completion of this course, students will be able to:

- Solve systems of equations.
- Perform arithmetic of matrices.
- Solve systems of equations using Gauss-Jordan elimination method.
- Carry out linear programming geometrically.
- Perform the simplex algorithm in LP.
- Construct Venn diagrams.
- Investigate fundamental counting principles, permutations and combinations.
- Solve elementary probability problems.
- Explore elementary statistics to include normal and binomial distribution.
- Investigate the mathematics of finance.

MyMathLab 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 MyMathLab (Pearson). In the CSN Bookstores, the MyMathLab access codes are in small packets that are usually stocked behind the counter. You can also purchase the access code through the Pearson Website (http://pearsonmylabandmastering.com/). Purchasing the access code through the Pearson Website is usually the cheapest option.
Online Registration

This course uses the online program MyMathLab. **In order to access MyMathLab, you must register online at** [http://pearsonmylabandmastering.com/](http://pearsonmylabandmastering.com/). Students can begin to register online on August 24, 2015 @ 12:01 am, which is the first day of class. You will need the following three items in order to register for this course:

1. Course ID: hervey08304
3. Valid Email: Your preferred email address

Technology Problems

If you have any computer related problems, you can contact MyMathLab Product Support at [http://www.mymathlab.com/contactus.html](http://www.mymathlab.com/contactus.html) for help or for phone support call 1-800-677-6337.

Course Outline

This course will cover the following sections from *Finite Mathematics with Applications* by Lial, Hungerford, Holcomb & Mullins; 11th Edition

- Ch 5 – Sections 5.1 – 5.2
- Ch 6 – Sections 6.1 – 6.2 & 6.4 – 6.6
- Ch 7 – Sections 7.1 – 7.3
- Ch 8 – Sections 8.1 – 8.5
- Ch 9 – Sections 9.1 – 9.2 & 9.4
- Ch 10 – Sections 10.1 – 10.4

Course Homework (MyMathLab)

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 (MyMathLab)

There will be six (6) Chapter Exams taken online using MyMathLab. 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. You can review any Chapter Exam after the due date passes. Click on “Grades”, and then click on review for the exam that you want to access.

Final Exam (December 7 or 8, 2015 @ West Charleston Campus)

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:
  - Monday December 7, 2015
    6:00 pm – 8:00 pm Room “To Be Determined”
  - Tuesday December 8, 2015
    8:00 am – 10:00 am Room “To Be Determined”
  - Tuesday December 8, 2015
    6:00 pm – 8:00 pm Room “To Be Determined”

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

Getting Started

Now, it is time to start the course. Before you start on the first homework assignment, you might want to do the following.

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

To access the first assignment, click on the “Homework” button and then click on HW – Section 5.1. Complete the assigned problems for this section. Remember, you can redo any homework problem 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.**

I highly recommend that you at least review the notes for each chapter before trying the homework problems. 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 will be used to
calculate your course average. There are no make-ups for any reasons.

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 (0), 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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| Aug 24 - Sept 4 | HW Sections: 5.1, 5.2  
Exam #1 (Chapter 5) | Sept 4 @ 11:59 pm |
| Sept 7 - Sept 25| HW Sections: 6.1, 6.2, 6.4, 6.5, 6.6  
Exam #2 (Chapter 6) | Sept 25 @ 11:59 pm |
| Sept 28 - Oct 9 | HW Sections: 7.1, 7.2, 7.3  
Exam #3 (Chapter 7) | Oct 9 @ 11:59 pm |
| Oct 12 - Oct 31 | HW Sections: 8.1, 8.2, 8.3, 8.4, 8.5  
Exam #4 (Chapter 8) | Oct 31 @ 11:59 pm |
| Nov 2 - Nov 13  | HW Sections: 9.1, 9.2, 9.4  
Exam #5 (Chapter 9) | Nov 13 @ 11:59 pm |
| Nov 16 - Nov 30 | HW Sections: 10.1, 10.2, 10.3, 10.4  
Exam #6 (Chapter 10) | Nov 30 @ 11:59 pm |
| Dec 1 - Dec 4   | Final Exam Review  
(Not Mandatory) | Will Close on Dec 4 @ 11:59 pm |
| Dec 7 or Dec 8  | Final Exam at West Charleston Campus  
You must attend one session | Dec 7: 6:00 pm - 8:00 pm  
Dec 8: 8:00 am - 10:00 am  
Dec 8: 6:00 pm - 8:00 pm |

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 MyMathLab system.

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

Grade Scale

The following scale will be used to determine your final grade for the course. There is no extra
credit of any kind for the course.

<table>
<thead>
<tr>
<th>Course Ave</th>
<th>Grade</th>
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<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>
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**Miscellaneous**

- **Course Withdraw:** It is the student’s responsibility to withdraw from the course before the appropriate deadline. The instructor will not withdraw students.
- **Calculators:** Calculators are allowed for this course. Students will need a scientific calculator to complete this course. Graphing calculators are also allowed. However, students are not allowed to use cell phones, tablets, or laptops during the Final Exam.
- **Extra Credit:** Absolutely no extra credit work will be offered in this course.
- **Academic Dishonesty:** Cheating of any kind will not be tolerated. Any incident of academic dishonesty will result in a failing grade for the course, and you will be reported to the College.
- **Student’s Rights:** Please refer to [http://www.csn.edu/pages/660.asp](http://www.csn.edu/pages/660.asp) which outlines the rights and responsibilities of CSN students.
- **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 Math Resource Centers (Free Tutoring Services)**

Free math tutoring is available at any of the CSN Math Resource Centers.

<table>
<thead>
<tr>
<th>CHARLESTON CAMPUS</th>
<th>CHEYENNE CAMPUS</th>
<th>HENDERSON CAMPUS</th>
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<tbody>
<tr>
<td>6375 West Charleston Blvd. Bldg K – Room 406 Las Vegas, Nevada 89146</td>
<td>3200 East Cheyenne Ave. Room 2651 N. Las Vegas, Nevada 89031</td>
<td>700 College Drive Bldg C – Room 119 Henderson, Nevada 89015</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.