INSTITUTION: Montana Tech of the University of Montana

COURSE: M 141 01 - Math for Business and Social Sciences I

SEMESTER/YEAR: Fall 2014

INSTRUCTOR: Becky Johnson

Phone: (406) 496 – 4780
Email: rjohnson@mtech.edu
Office: MUS 111
Office Hours: Monday, Wednesday, Friday 9:00 am – 10:00 am
Monday, Wednesday 1:00 pm – 2:00 pm
Other consultation times are available by appointment. Also, if my office door is open, I am usually available for questions.

COURSE DESCRIPTION:
3 credits (Hrs: 3 Lec.) Prerequisite(s): ACT Above 24 or SAT 560; M 121 or equivalent.

A comprehensive treatment of selected topics from finite mathematics, linear algebra, matrix algebra, linear programming, probability, and probability models. Applications from the areas of Business and Management Sciences will be emphasized.

COURSE MATERIALS:

Calculator: A scientific calculator is recommended and may be used in completing homework and quizzes. Unless otherwise stated in advance by your instructor, calculators will not be allowed on exams. Graphing calculators will not be allowed on exams. Also, no laptop, tablet, or cell phone calculators may be used. You are responsible for knowing how to operate your calculator.

MyMathLab: MyMathLab is an optional online resource which is available for this class. It provides online lectures, sample tests, an e-text, etc. MyMathLab access codes are available for purchase in the book store. The MyMathLab Course ID for this course is johnson13657.

COURSE EVALUATION:
Homework: Suggested homework will be assigned for each section that we cover. Please refer to the tentative course schedule at the end of this syllabus for the listing of suggested homework problems. These assignments are for practice and mastery purposes. They will not be collected nor graded. Homework completion is very strongly encouraged, as repeated practice is the best way to master material in mathematics. Also, homework practice will serve you well in preparing for graded quizzes and exams.

Quizzes: Between five and ten quizzes will be given during the course of the semester. Quizzes may be unannounced and may be administered at any time during the class period. They will be closed book / open notes. No make-up quizzes will be given; however, your lowest quiz score will be dropped and there will be opportunities throughout the semester for bonus quizzes. Your cumulative quiz average will count as 20% of your overall course grade.
Exams: Four semester exams will be administered. You will have 50 minutes to complete each exam. They will be closed book / closed notes. Calculators (as specified above) will be allowed. Exams are to be taken only on scheduled testing dates. Make-up exams will be permitted only with the prior approval of the instructor. If one chapter exam is missed, the final exam becomes mandatory to replace this missed exam. If more than one exam is missed, a zero will be recorded for these scores. Each exam will count as 20% of your overall course grade.

Final Exam: A comprehensive final exam will be offered at the end of the semester. It is optional and will replace your lowest semester exam score or your cumulative quiz average. If a semester exam is missed, the final exam becomes mandatory.

Attendance: Attendance will not count directly toward your course grade; however, quizzes will indirectly monitor your attendance and homework completion. Keep in mind that students are not likely to be successful in this course without regular class attendance and active participation. Further, students will be held responsible for all material, updates, and any other information presented during class.

GRADING AND ASSESSMENTS:

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<tr>
<th>Grading Scale</th>
<th>Activity / Percentage of Course Grade</th>
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<tbody>
<tr>
<td>93% - 100%</td>
<td>Cumulative Quiz Average (lowest quiz grade dropped) 20%</td>
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<tr>
<td>90% - 92%</td>
<td>Four Semester Exams (if one exam is missed, the final exam becomes mandatory as its replacement) 20% Each</td>
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<tr>
<td>87% - 89%</td>
<td>Comprehensive Final Exam (replaces lowest semester exam score or cumulative quiz average) Optional</td>
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<td>83% - 86%</td>
<td>63% - 66% D</td>
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<tr>
<td>80% - 82%</td>
<td>60% - 62% D-</td>
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<tr>
<td>77% - 79%</td>
<td>0% - 59% F</td>
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ACADEMIC DISHONESTY:
Academic dishonesty will not be tolerated in this course. A first offense will be met with the student(s) receiving a grade of zero on the quiz / exam. A second offense will be met with the student(s) receiving an F for the course grade. Please refer to the current Montana Tech Catalog or Student Handbook for more detailed information.

CELL PHONE POLICY / CLASSROOM ETIQUETE:
Cell phones are to be placed on vibrate and put away before class begins. Any behavior that is deemed disruptive to teaching or learning in the classroom will not be tolerated. Please remember that arriving to class late, leaving early, talking during lecture, texting or otherwise using your cell phone, etc. are disruptive to both your instructor and your fellow classmates.

TUTORING SERVICES:
Free tutoring services for this course are available in the Academic Center for Excellence (ACE). You are encouraged to make use of this resource. ACE is located in Engineering Hall, Room 102. Phone: 496-4418
**TENTATIVE COURSE SCHEDULE:**  M 141 01 – Math for Business and Social Sciences I

This schedule is subject to change at the discretion of the instructor to accommodate instructional and/or student needs. All changes will be announced in class and updated in Moodle.

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<tr>
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<th>MONDAY</th>
<th>WEDNESDAY</th>
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| **AUG. 25 – 29** | **Introduction / Syllabus**
  1.1 1-23 odd, 47, 55, 59 | **1.2** 1-4 all, 5-23 odd, 63, 69 |
| **SEP. 1 – 5** | **Labor Day Holiday**
  No Class | **4.1** 9, 11, 17-33 odd, 27-33 odd, 69, 71, 73 |
| **SEP. 8 – 12** | **5.1** 9-21 odd, 41, 43, 51 | **5.2** 13, 15, 21-27 odd, 33, 35 |
| **SEP. 15 – 19** | **5.3** 17, 19, 21, 25, 39A, 41A, 49 | Review |
| **SEP. 22 – 26** | **Exam 1**
  Sections: 1.1, 1.2, 4.1, 5.1, 5.2, 5.3 | **4.2** 1-14 all, 15-31 odd |
| **SEP. 29 – OCT. 3** | **4.2** 49-53 odd, 57, 61, 65, 69, 73 | **4.3** 19, 21, 23, 25, 47, 49, 51, 57 |
| **OCT. 6 – 10** | **4.4** 1-9 all, 11, 13, 27, 31, 33, 37, 39 | **4.5** 19, 21, 29-41 odd, 49, 51, 57, 59, 61, 63 |
| **OCT. 13 – 17** | **4.6** 9-12 all, 17, 19, 21, 25, 27 | Review |
| **OCT. 20 – 24** | **Exam 2**
  Sections: 4.2-4.6 | **7.2** 15-21 odd, 29-47 odd, 91-97 odd |
| **OCT. 27 – 31** | **7.3** 9, 11, 13, 35-41 odd, 49, 51, 53, 59, 63 | **7.4** 7, 17, 19, 21, 31, 33, 37, 39, 51, 65, 71, 73, 75, 79 |
| **NOV. 3 – 7** | Review | **Exam 3**
  Sections: 7.2-7.4 |
| **NOV. 10 – 14** | **8.1** 7-23 odd, 27, 43-53 odd | **8.2** 7-19 odd, 25, 29, 31, 33, 61, 63, 79, 81, 85 |
| **NOV. 17 – 21** | **8.3** 7-17 odd, 23-33 odd, 51, 53, 55A, 71, 81, 87 | **8.4** 17-21, 31, 33, 43, 53, 57 |
| **NOV. 24 – 28** | **8.5** 13, 19, 21, 22, 25, 27, 29, 39, 41, 49 | Thanksgiving Holiday
  No Class |
| **DEC. 1 – 5** | Review | **Exam 4** |
| **DEC. 8 – 12** | Review for Final Exam | Final Exam Study Day
  No Class |
| **DEC. 15 – 19** | Comprehensive Final Exam
  *(Optional)*
  11:30 am – 1:30 pm | |