Syllabus for STATistics 301: Fall 2000

<table>
<thead>
<tr>
<th>Section</th>
<th>Instructor</th>
<th>Office</th>
<th>Phone</th>
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<tbody>
<tr>
<td>A</td>
<td>Mr. Phil Kendall</td>
<td>Dusable</td>
<td>361B</td>
</tr>
<tr>
<td>B</td>
<td>Dr. Rama Lingham</td>
<td>Dusable</td>
<td>361E</td>
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<tr>
<td>C</td>
<td>Dr. Nader Ebrahimi</td>
<td>Dusable</td>
<td>359C</td>
</tr>
<tr>
<td>D</td>
<td>Dr. Balakrishna Hosmane</td>
<td>Dusable</td>
<td>361C</td>
</tr>
<tr>
<td>E</td>
<td>Mr. Phil Kendall</td>
<td>Dusable</td>
<td>361B</td>
</tr>
<tr>
<td>J</td>
<td>Mr. Phil Kendall</td>
<td>Dusable</td>
<td>361B</td>
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- **Office Hours:**
  Your instructor will advise you of the office hours.

- **Textbook Information:**
  Other: EXCEL Supplement by P. Zehna, Addison-Wesley.

- **Internet:**
  Information about this class can be found at http://www.math.niu.edu/~Bala/301/

- **Exams and Others:**
  Two in-class midterm exams. Each is worth 100 points 200 points
  Comprehensive final exam 150 points
  Weekly announced quizzes in recitation. Highest 7 Quizzes 70 points
  Unannounced (pop) quizzes in lecture. 80 points
  EXCEL software assignments. 50 points
  Total 550 points

- **Grading scale:**
  * 90% and up 495 points or more → A
  * 80%– less than 90% 440-494 points → B
  * 65%– less than 80% 358-439 points → C
  * 50%– less than 65% 275-357 points → D
  * Below 50% 274 points or less → F

- **Policies, Regulations and Rules:**
  1. Midterm 1 will roughly cover chapters 1, 2, 3, 5, 6 except for deleted material (to be announced in class). Tentatively, this in-class exam will be during the sixth week of classes. The exact date will be announced in lecture.
  2. Midterm 2 will roughly cover chapters 7, 8, 9, 10 except for deleted material (to be announced in class). Tentatively, this in-class exam will be during the twelfth week of classes. The exact date will be announced in lecture.
  3. Final exam is comprehensive but at least 40% of it will cover material beyond Midterm 2. The final exam will be on Thursday, December 14, Noon-1:50 pm.
  4. All new books have an attached formula/table card. For used books, copies of formula/table card will be supplied during the first week of classes.
  5. You must not mark or write on the formula/table card. If a marked formula/table card is found, this is ground for cancellation of all previous and current quiz and exam scores.

- Coordinator
6. Quizzes will be given at the beginning of the recitation. Pop-quizzes will be
given in the lecture. Material for each quiz is that covered both in the lecture
and the recitation session.

7. In all Quizzes, you must **bring the formula/table card with you and a
   calculator**. No tables or calculators will be supplied.

8. The due dates for EXCEL software assignments will be announced in the recita-
tion. No credit will be given to assignments which are turned in after the due
date.

9. All exams are closed-book or notes. You are **not permitted to use your copy of
   the formula/table card** during the exam. You will be supplied with a fresh copy
of the formula/table card which you will turn in along with the exam paper.

10. Please try to attend lectures regularly. You will be responsible for materials
    covered in missed lectures/recitations.

11. If you miss a lecture or recitation, it is your responsibility to find out what
    announcements were made about quizzes, assignments, exams during this lecture
    or recitation. The instructor may not repeat this information to you during office
    hour or over phone.

12. **Only** documented medical emergencies will be grounds for make-up exams. All
    arrangements must be made within 5 days of the missed exam.

13. Please do not make queries about extra credit. There is no such provision. Your
    grade will be based on your exam, quiz, and assignment scores and nothing else.

14. Statement on Academic Integrity in the Undergraduate catalog will be strictly
    enforced both in quizzes and exams.

15. University policy covering students scheduled for two finals at the same time will
    be enforced. Consult your catalog and see your instructor.

- **Some suggestions:**

1. To do well in this course, you **must attend classes regularly**. In previous semesters,
   we have seen a strong positive correlation between regular class attendance and
   good grades.

2. Please **try to keep up with the class**. Remember, once you fall behind, you will
   have to work much harder to catch up.

3. Note that homeworks and quizzes combined are more than 36% of the total
   points. You have the opportunity to score a lot of points here.

4. If your quiz scores are bad consistently, that is a red flag that something is going
   wrong.

5. Please feel free to talk to your instructor or your T.A. after class. If you are
   falling behind or getting lost, do not sit on it. **Act on it as soon as possible.**
   Get help, spend more time studying, form study-groups - do whatever works for
   you. Go to your instructor’s office hours and the Statistics Assistance Center.
• Tentative Timetable

<table>
<thead>
<tr>
<th>Week of</th>
<th>Material to be covered from Textbook</th>
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<tbody>
<tr>
<td>Aug. 28-Sept. 1</td>
<td>Week 1  Chapter 1, 2.1, 2.2, 2.3, 2.5</td>
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<tr>
<td>Sept. 4-8</td>
<td>Week 2  Labor Day, 3.1, 3.2, 3.3</td>
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<tr>
<td>Sept. 11-15</td>
<td>Week 3  5.1, 5.2, 5.3</td>
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<td>Sept. 18-22</td>
<td>Week 4  5.3, 5.4, 5.5, 5.6</td>
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<tr>
<td>Sept. 25-29</td>
<td>Week 5  6.1, 6.2, 6.3, 6.4</td>
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<td>Oct. 2-6</td>
<td>Week 6  6.4, Review, Exam 1</td>
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<tr>
<td>Oct. 9-13</td>
<td>Week 7  7.1, 7.2, 7.3</td>
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<td>Oct. 16-20</td>
<td>Week 8  8.1, 8.2, 8.3, 8.4</td>
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<td>Oct. 30-Nov. 3</td>
<td>Week 10 9.5, 10.1, 10.2</td>
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<td>Nov. 6-10</td>
<td>Week 11 10.4, 11.1, 11.2</td>
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<td>Nov. 13-17</td>
<td>Week 12 11.3, Review, Exam 2</td>
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<td>Nov. 20-24</td>
<td>Week 13 4.1, 4.2, Thanksgiving</td>
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<td>Nov. 27-Dec. 1</td>
<td>Week 14 4.3, 4.4, 12.1</td>
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<tr>
<td>Dec. 4-8</td>
<td>Week 15 12.1, 12.2, Review</td>
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<tr>
<td>Dec. 14, 2000</td>
<td>Final exam (Noon-1:50 pm)</td>
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• Suggested Practice problems

The following problems are for your practice. You should do all of these problems to help you in quizzes and exams. You DO NOT need to submit these problems.

Chapter 2  2.21, 2.29, 2.61, 2.109
Chapter 3  3.11, 3.55, 3.61, 3.65
Chapter 5  5.41, 5.57, 5.59, 5.61, 5.77, 5.85, 5.89, 5.91, 5.115, 5.117
Chapter 6  6.9, 6.37, 6.41, 6.53, 6.65, 6.67, 6.69, 6.75, 6.81
Chapter 7  7.9, 7.31, 7.47, 7.55, 7.59, 7.61
Chapter 8  8.9, 8.25, 8.29, 8.51, 8.53, 8.67, 8.71
Chapter 10 10.11, 10.19 10.25, 10.71, 10.73, 10.77
Chapter 11 11.17, 11.27, 11.45, 11.58, 11.64
Chapter 4  4.7, 4.38, 4.46, 4.48, 4.70, 4.92, 4.95
Chapter 12 12.17, 12.19, 12.20
EXCEL assignments

- EXCEL is a software package for doing statistical computations. You can access EXCEL in the Stevens Annex computing lab. On the first recitation day, your TA will take you to this lab and will show you how to access EXCEL.

- If you want EXCEL in your personal PC/Mac, you may check at the bookstore. They often (but not always) carry a student edition of the EXCEL software. This is completely *optional* and is no way required for this course.

- Instructions on use of EXCEL is given in the EXCEL Supplement book (*EXCEL Manual*). When you are doing a problem from this supplement, it often helps to read the example preceding the problem. Additionally, your textbook also has instructions on EXCEL usage.

- You are strongly encouraged to form a group and do the assignments. A group may consist of 2, 3 or 4 students but no more. Additionally, all group members MUST be from the same recitation section (all from section A1 or all from section A2, or etc.).

- While submitting a group assignment, you only need to submit one copy with all group members' names alphabetically arranged and social security numbers. Each member of the group will receive equal scores based on the assignment.

- While group assignments are encouraged, you can also do the assignment by yourself. All assignments, group and individual, will be graded equally.

Assignments:

- For all assignments, read the examples in the EXCEL Supplement immediately preceding the assigned problems. They are often very similar and will tell you how to do your problem.

<table>
<thead>
<tr>
<th>Source</th>
<th>Problems</th>
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<tbody>
<tr>
<td>1. EXCEL Supplement</td>
<td>2.1, 2.2, 2.3, 2.4, 2.5</td>
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<tr>
<td>2. EXCEL Supplement</td>
<td>3.1, 3.2, 3.3, 3.5, 3.6, 3.7, 3.9, 3.10, 3.11</td>
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<td>3. EXCEL Supplement</td>
<td>4.2, 5.1, 5.3, 5.4</td>
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<td>6.2, 6.3, 6.4, 6.5, 6.6</td>
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<tr>
<td>5. EXCEL Supplement</td>
<td>7.2, 7.3</td>
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<tr>
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<td>8.1, 8.3</td>
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<tr>
<td>7. EXCEL Supplement</td>
<td>9.1, 9.2</td>
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<tr>
<td>8. EXCEL Supplement</td>
<td>10.1, 10.3, 12.1, 12.3, 12.4</td>
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