

# MATH-2063-10 INTRODUCTORY STATISTICS

Instructor	Dr. Chulmin Kim (Boyd 326)
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Lecture	TR 11 am-12.15 pm (Boyd 305)
Office hours	TR 9-9.30 am (Boyd 205) & 1-2 pm (Boyd 326) & by appoint.

Course Calendar **L**: Lecture note, **W**: Worksheet, **H**: Homework, **Q**: Quiz, **E**: Exam

Wk	TUE	THU
<b>1</b>	Jan-8 <b>L1</b> (1.1-1.3)	Jan-10 <b>L2</b> (2.1-2.2) <b>W1</b> (1.1-2.2)
<b>2</b>	Jan-15 Ch1-Ch2 Review	Jan-17 <b>L3</b> (3.1-3.2) <b>W2</b> (3.1-3.2)
<b>3</b>	Jan-22 <b>L4</b> (3.5) <b>W3</b> (3.5)	Jan-24 <b>Q1</b> (1.1-3.5) <b>H1</b>
<b>4</b>	Jan-29 <b>Exam1</b> (1.1-3.5)	Jan-31 <b>L5</b> (4.1) <b>W4</b> (4.1)
<b>5</b>	Feb-5 <b>L6</b> (4.2)	Feb-7 <b>L7</b> (4.3) <b>W5</b> (4.2-4.3)
<b>6</b>	Feb-12 <b>L8</b> (5.1-5.2) <b>W6</b> (5.1-5.2)	Feb-14 <b>L9</b> (5.3)
<b>7</b>	Feb-19 <b>L10</b> (5.4) <b>W7</b> (5.3-5.4)	Feb-21 <b>Q2</b> (4.1-5.4) <b>H2</b>
<b>8</b>	Feb-26 <b>Exam2</b> (4.1-5.4)	Feb-28 Ch4-Ch5, Ex2 Review
<b>9</b>	Mar-5 Ch1-Ch2, Ex1 Review	Mar-7 <b>L11</b> (6.1) <b>W8</b> (6.1)
<b>10</b>	Mar-12 <b>L12</b> (6.2-6.3) <b>W9</b> (6.2-6.3)	Mar-14 <b>L13</b> (6.4)
<b>11</b>	<b>Spring Break</b>	
<b>12</b>	Mar-26 <b>L14</b> (6.5-6.6) <b>W10</b> (6.4-6.6)	Mar-28 Ch6 Review
<b>13</b>	Apr-2 <b>L15</b> (7.1-7.2) <b>W11</b> (7.1-7.2)	Apr-4 <b>Q3</b> (6.1-7.2) <b>H3</b>
<b>14</b>	Apr-9 <b>Exam3</b> (6.1-7.2)	Apr-11 Ch6-Ch7, Ex3 Review
<b>15</b>	Apr-16 <b>L16</b> (8.1) <b>W12</b> (8.1)	Apr-18 <b>L17</b> (8.2-8.3) <b>W13</b> (8.2-8.3)
<b>16</b>	Apr-23 Concept Review <b>W14</b> (Attendance)	Apr-25 <b>Q4</b> (Concept)
<b>18/F</b>	<b>May-7 (11 am-1 pm)</b> <b>FINAL</b> (1.1-8.3)	

## Course Description & Topics

- A noncalculus-based introduction to methods of descriptive statistics, probability, discrete and continuous distributions and other fundamental concepts of statistics. Methods for describing sets of data, including descriptive statistics and histograms. Probability of discrete and continuous random variables, including the binomial and normal random variables. Sampling distributions, including the Central Limit Theorem, Hypothesis testing and Confidence intervals for one sample, Simple linear regression. (**Prerequisite: MATH 1101 or 1111**)

## Required Text

- **Discovering Statistics**, 3<sup>rd</sup> Edition, by Daniel T. Larose  
(**Caution:** The older or international versions may have different sets of exercise problems. You should check the correct assignments with the 3<sup>rd</sup> Edition if you have a different version.)

## Course Policy

- **Attendance:** Attendance is **required**. If you miss the class you will **not** get the credits by doing weekly worksheet. Please do **not** arrive late or leave early. If you need to arrive late or leave early, please clear it with me before the class begins.
- **Make-ups:** You will **not** be allowed to make-up missed exams except under extraordinary circumstances. If you know that you will miss an exam, please let me know **in advance**. In case of an illness (with **medical certificate**) or dire emergency, the instructor must be contacted **prior to** the test or quiz, by **email**. Accommodations for missed tests and quizzes will be handled **depending on** the severity of the situation between the student and me.
- **Cheating:** Cheating of any sort will not be tolerated. If you are found cheating or assisting in any form of cheating, you will be awarded a failing grade in that exam or quiz.
- **Questions about grading:** Questions about grading must be asked within **one week** of the graded works return.
- **No Laptop and No Cell phone (Text):** No laptop and cell phone (and any other devices) is allowed to use during the class. You must bring the **paper-version** lecture notes.
- **Email:** If using email, you must use your **university email** (@westga.edu) for any communication; also check your university email account for any announcement regarding the class. I will not respond to any non-university emails.

## Components for Evaluation

- **Exam (Three Midterms and One Final exam)**

**Exam 1** 11.00 am-12.15 pm, Tuesday, Jan-29, Boyd 305

**Exam 2** 11.00 am-12.15 pm, Tuesday, Feb-26, Boyd 305

**Exam 3** 11.00 am-12.15 pm, Tuesday, Apr-9, Boyd 305

**Final exam** 11.00 am-1.00 pm, Tuesday, May-7, Boyd 305

Use of calculators is permitted (and necessary) for the Exams. About Calculators, go to <http://mathbits.com/MathBits/TISection/Openpage.htm>.

- **Quiz (Totally 4 Quiz)**

Quizzes will be partially based on Homework Assignments. At least 50% of the Quiz problems will be coming from the Homework Assignments which however will **not** be collected. You should try to work on Homework problems by yourself. Then you work to overcome incorrect or uncertain answers with the help of study partners. If at some point you are having difficulties with the course you may want to consider obtaining some extra help, the Math Tutoring Center (Boyd 205) offers free drop-in tutoring.

**No make-up** Quiz will be given unless it is previously arranged.

- **Worksheet (Weekly Assigned Worksheet problems, totally 14 Worksheet)**

Each week, following the lecture, you will have a Worksheet. You will work in groups to answer the questions. The weekly Worksheet assignment will be graded. It is due at the end of class on the given day. If you miss a class then you have missed the assignment.

- Group members will **rotate** among various roles within the group.
- Only students in **attendance** will receive the Worksheet group grade.
- Students who arrive significantly **late** to class will **not** get the credit.
- You are encouraged to collaborate with other students in this course for Homework and Worksheet. However, you must be an independent learner by exam time. This means you must **do your best individual work**.

## Disabilities

- Students with a documented disability may work with UWG Accessibility Services to receive essential services specific to their disability. All entitlements to accommodations are based on documentation and USG Board of Regents standards. If you need course adaptations or accommodations because of a disability or chronic illness, or if you need to make special arrangements in case the building must be evacuated, you should notify me in writing and provide a copy of your Student Accommodations Report (SAR), which is available only from Accessibility Services. I cannot offer accommodations without timely receipt of the SAR; further, no retroactive accommodations will be given.

## Grading Policy

- You total score  $S$  will be computed as follow:

$$S = Q+W+M1+M2+M3+F,$$

where  $Q$ =sum of the scores on all four **Quiz**,  $W$ =sum of the scores on all fourteen **Worksheet**, and  $M1$ ,  $M2$ ,  $M3$ , and  $F$  are the scores on **Midterm1**, **Midterm2**, **Midterm3**, and **Final**.

- Possible full points for each component are the following:

<b>Q</b>	120 points (15.00%)
<b>W</b>	210 points (26.25%)
<b>M1</b>	100 points (12.50%)
<b>M2</b>	100 points (12.50%)
<b>M3</b>	100 points (12.50%)
<b>F</b>	170 points (21.25%)
<b>S</b>	<b>800 points (100%)</b>

- Course grades based on  $S$  are assigned according to the following **minimum**:

<b>Grade</b>	<b>S</b>	<b>Grade</b>	<b>S</b>	<b>Grade</b>	<b>S</b>	<b>Grade</b>	<b>S</b>	<b>Grade</b>	<b>S</b>
<b>A</b>	<b>720</b>	<b>B</b>	<b>640</b>	<b>C</b>	<b>560</b>	<b>D</b>	<b>480</b>	<b>F</b>	<b>&lt;480</b>

## Special Note

- You may click the following to view University of West Georgia Syllabus Policies. <http://tinyurl.com/UWGSyllabusPolicies>.
- You can find all of your scores including Quiz, Worksheet, Midterms, Final, and the overall Total score under <https://westga.view.usg.edu/>.