



# Bethesda University

730 North Euclid Street, Anaheim, California 92801 Tel: (714)517-1945, Fax: (714)683-1440

## GM 200 Introduction to Statistics Session

Professor: Dr. Mia O Kim	
Class Hour: 9:30 am-12:00pm, Thursday	Class Room: 209
Office: <a href="#">Click here to enter text.</a>	Phone: <a href="#">Click here to enter text.</a>
Office Hours/ Consultation: By appointment	E-mail: miao.kim@buc.edu
TA: TBA (To Be Arranged)	Credit Unit: 3

### A. Mission Statement

#### 1. Bethesda University

##### **Mission of the Bethesda University**

Bethesda University is a Christ-centered community of higher education preparing Korean/English speaking men and women with professional competence, academic excellence, and spiritual integrity to be servant leaders in the Church, community, and global society.

#### 2. Bethesda University General Education Mission Statement

The Mission of General Education at Bethesda University is to facilitate the acquisition and integration of knowledge, abilities, ethics and spirituality in order to form a foundation for lifelong learning through the interdisciplinary study.

### B. Course's Academic Level and Place in Curriculum:

This is one of general education courses for all undergraduate students. This course may be taken at anytime. But, it fits best if it is taken at the first stage of your course of study.

### C. Course Description

Introduction to Statistics (GM 200) is a course in basic statistical concepts and methods of collecting, summarizing, presenting, and interpreting data in the social and behavioral sciences. Among the topics covered are graphing, measures of central tendency and variability, normal curve, hypothesis testing, correlation and regression, and topics in probability.



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## D. Course Objectives & Student Outcomes

- To familiarize the student with the fundamental descriptive and inferential statistical procedures used in the social sciences.
- To sensitize the student to the proper use of statistical procedures in coming to conclusions about data and hypotheses.
- To provide a grounding in statistics sufficient to allow an intelligent reading of research articles.
- To provide a foundation for further work in statistical analysis and experimental design.

Expected Student Outcomes	
Spiritually	True wisdom comes from acknowledging God in every way. This course equips students with the fundamental knowledge of Introduction to Statistics by acknowledging God first. (Learning Bible verse & pray together before studying)
Intellectually	This course will help students learn to think critically and evaluate evidence rationally.
Socio-Emotively	This class intends to foster a Christ-centered community that promotes appreciation and respect for individuals, enhances the potential of its members.
Vocationally	This course contributes to the achievement of Bethesda University's mission by helping students understand how to use mathematics for application problems.

## E. Class Formation

Bible Verse, Pray, learning the rule through lecture, problem solving

## F. Required Textbook(s)

No.	Title	Author	Publisher	Library code	Year
1	Essentials of Statistics for the Behavioral Sciences	Frederick J. Gravetter Larry B. Wallnau	Wadsworth		2011
2					
3					
4					

## G. Recommended Reading and Other Course Resources

No.	Title	Author	Publisher	Library code	Year
1	Probability & Statistics for Engineers & Scientists	Ronald E. Walpole, Raymond H. Myers, Sharon L. Myers, & Keying Ye	Upper Saddle River		2007
2	Fundamental Statistics for Behavioral Sciences	Robert B. McCall	Harcourt brace		1994



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3	Introduction to the Practice of Statistics	Moore, McCabe, Craig	FreeMan		2012
4	Calculus Early Transcendental	James Stewart	Thompson		2003
5					

## H. Course Calendar/Schedule, include the following

N	Date	Theme	Reading	Assignments
1	August 27	Course overview		
Last Day to Request Add/Drop is Friday of First Week				
2	September 3	Introduction to Statistics	Ch 1	HW 1
3	September 10	Frequency Distributions	Ch 2	HW 2
4	September 17	Central Tendency	Ch 3	HW 3
5	September 24	Variability	Ch 4	HW 4
6	October 1	Z-Scores: Location of Scores and Standardized Distributions	Ch 5	HW 5
7	October 8	Probability	Ch 6	HW 6
8	October 15	Midterm		
Last Day to Request Grade Withdrawal "W" is Friday of 8 <sup>th</sup> Week				
9	October 22	Probability and Samples: the Distribution of Sample Means	Ch 7	HW 7
10	October 29	Introduction to Hypothesis Testing	Ch 8	HW 8
11	November 5	Introduction to the t Statistic	Ch 9	HW 9
12	November 12	The t Test for Two Independent Samples	Ch 10	Hw 10
13	November 19	The t Test for Two Related Samples	Ch 11	Hw 11
14	November 26	Thanks Giving Break		
15	December 3	Estimation	Ch 12	HW12
Last Day to Request Grade Incomplete "I" is Friday of 15 <sup>th</sup> Week				
16	December 10	Final		



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## I. Assignments

Class Exercise  
Homework

## J. Evaluation/Assessment Rationale for Grade Determination

### 1. Grade Assessment

Attendance and Participation 20%  
Exercise 20%  
Homework 20%  
Midterm 20%  
Final Exam 20%

### 2. Grade definition

A Excellent  
B Good  
C Satisfactory  
D Poor  
F Failure

### 3. Grade scale

Letter Grade	Numeric Grade	Grade Points
A	95-100	4.0
A-	90-94	3.7
B+	87-89	3.3
B	84-86	3.0
B-	80-83	2.7
C+	77-79	2.3
C	74-76	2.0
C-	70-73	1.7
D+	67-69	1.3
D	64-66	1.0
D-	60-63	0.7
F	59 or below	0



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## K. Course Policies

### 1. Attendance, Preparation, and Participation:

All students are expected to attend all classes. In the event of an unavoidable absence, students should notify the professor (in advance) that they will be missing class and should make arrangements to submit all assignments prior to class time. A student who misses more than three classes (except due to the participation in scheduled college activities) should not expect a passing grade. Points for attendance and participation will be determined based on the quality of the student's participation. Students who are absent will receive no points for that week; students who arrive late or leave early will have points deducted accordingly.

### 2. Deadlines:

All course work is due on the dates assigned in the class schedule in 'H'. Students who fail to submit assignments on time will be subject to the course's late grading policy. In all other cases and unless otherwise stated by the instructor, all course work is due by 4:00 p.m. on the last day of the semester.

A grade of incomplete will only be awarded to students who cannot physically complete their course work by the last day of the semester due to an avoidable situation such as a serious illness. In such cases, students must provide valid evidence of their condition.

After a semester has ended it is no longer possible to request an incomplete.

Incompletes will not be granted simply because of poor time management. Students who assume that an incomplete will be issued because they failed to finish their course work by the end of the semester will automatically receive a grade of F.

Incompletes must first be approved by the Academic Affairs office. To apply for an incomplete, students must fill out an incomplete-grade-request form and submit it to the office by December 4, 2015. After receiving approval from the office, the student must then obtain approval from his/her instructor.

### 3. Advance Assistance:

For students with documented medical or psychological disabilities, or learning disability who would like to request a special assistance, please contact the instructor or chief academic officer.



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4. Make up work:

See #2 deadline.

5. Extra-credit work:

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6. Emergency procedures:

Please contact instructor through email or phone call to the office

7. Other policies on Withdrawal and Grade Permanence, Academic Integrity, and Appeals and Grievance procedures refer to the Student Handbooks and Catalog.

**“People with integrity have firm footing, but those who follow crooked paths will slip and fall.” (Proverbs 10:9)**

All course work should be done independently without access to the work of others. Cheating and plagiarism will not be tolerated (Plagiarism is defined as the use of someone else’s ideas, arguments or other original material without acknowledging the source.) Any evidence of cheating on assignments and exams and plagiarism on research proposal will result in the student being given 0 points credit on them and may result in a **failing** grade (‘F’) for the course and further sanctions.