

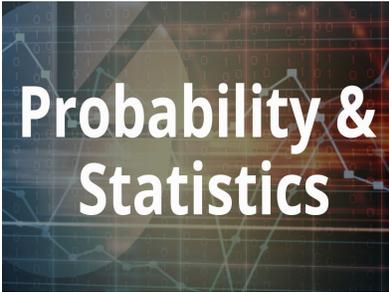
MATH 111 - Basic Probability and Statistics

01/07/2021 - 04/29/2021

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Basic Probability and Statistics – MATH111 – X3



James 3:17

But the wisdom that comes from heaven is first of all pure; then peace-loving, considerate, submissive, full of mercy and good fruit, impartial and sincere.



Welcome to Basic Probability and Statistics

Greetings! I love teaching Basic Probability and Statistics. In fact, it was the first class I taught here at Bethel. These topics were significant in my undergraduate and graduate degrees. I was a manufacturing engineer for General Motors for 20 years and then left to stay home with our four boys. After a few years I transitioned to the academic world and have fallen in love with teaching. I started at Bethel in January 2012 – on my birthday! It was a fun way to celebrate.

My goal in this class is to open your eyes to the facts about statistics. The media and politicians are very capable of manipulating data to their advantage. They don't necessarily lie with numbers but you must listen carefully how they define the numbers. You may not think you will even be in a position to develop a statistical study but you will certainly be impacted by a study.

You will be encouraged to learn how to use MS Excel which is a required job skill in today's world. Learning how to manage data is a part of many jobs.

Meet your Faculty



Prof. Sheri Campeau

BS in Industrial Engineering,
GMI Engineering & Mgmt.
Institute

MS in Engineering Sciences
with an emphasis on
Manufacturing Management
Rensselaer Polytechnic
Institute

Faculty Contact Information

Name	Sheri Campeau
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Email	Sheri.campeau@betheluniversity.edu
Preferred contact method	email
Office hours	By appointment

Faculty Email Response Policy

Any course related email sent to the instructor will have a response either by email, phone, or through the LMS within 48 hours.

Course Description and Credit Hours

(3 credit hours)

A general studies course in statistics covering such subjects as averages, variability, standard scores, normal curves, correlation, linear regression, probability, sampling, hypothesis testing and chi-square.

Important Details

- The course is organized by Modules, always navigate from the Home Page.
- Due Dates for homework are in WebAssign.
- Due Dates for writing assignments and discussions are in Canvas.
- What if I have questions about the homework?
 1. Read the textbook
 2. Review the videos that are posted.
 3. Post a question on the discussion board.
 4. Use the “Ask Your Instructor” button in WebAssign.
 5. Email your instructor.

Core Competencies & Program Objectives

At the conclusion of the course, students are prepared in the following core competency areas through the stated objectives.

#	Competency Areas	Objective(s)
1	Organize data	Correctly take a sample, organize, and present the data you obtain from the sample
2	Describe data	Describe the average, variation, and position of data based on your sample;
3	Probability	Compute probabilities in simple contexts;
4	Interpreting data	Understand what your data can and cannot tell you about the population you are studying (based on hypothesis testing and confidence intervals);
5	Societal awareness about data	Identify ways that statistics are misused in everyday life;
6	Christian worldview	Understand how statistics are influenced by a Christian worldview.

Required Textbook / Materials

Title	“Understanding Basic Statistics,” 8 th edition, with WebAssign. I suggest you buy the electronic access directly from WebAssign. Enhanced Webassign for Math and Science - Single Term by WebAssign
Author(s)	Brase & Brase
Publisher	Cengage Publishing
Published ISBN	9781285858500 - 13

eBook Included with the WebAssign subscription.

ICI Student Participants will be provided with WebAssign access.

Course Requirements

Any online course activities assigned to the course are performed within Canvas.

Additional web sites and related web-based activities, if assigned, will be accessed through the course or through web links provided for web sites located outside the course.

Final Grade Calculation

Assignment	% of Grade
Attendance	0% (*)
Homework	20%
2 pt. questions	8%
Reflective papers	4%
Discussion Board	8%
Exam 1	15%
Exam 2	15%
Exam 3	15%
Final Exam	15%
Total	100%

Grading Scale

Letter Grade	Percent
A	100% - 93%
A-	90% - 92.99%
B+	87% - 89.99%
B	83% - 86.99%
B-	80% - 82.99%
C+	77% - 79.99%
C	73% - 76.99%
C-	70% - 72.99%
D+	67% - 69.99%
D	63% - 66.99%
D-	60% - 62.99%
F	< 60% and below

Netiquette Policy

In an online course, almost all your interactions with other people will be through the internet. This netiquette policy applies to all your interactions with the instructor and your fellow students, and you are expected to follow the guidelines outlined below.

Respect other people and be willing to share your ideas and thoughts in a respectful way. Simply, respect others' views. You may disagree with someone, but do so graciously and constructively. Pause before writing emails or posts when you are angry, and reread what you wrote carefully before clicking 'send.' Treat others the way you wish to be treated—with respect.

Do not post or communicate offensive or hateful content. Bethel University does not permit discussions that are obscene, harassing, sexually explicit, or derogatory toward individuals or groups. These will be deleted, and repeat offenders may be barred from future participation.

Do not post or share personal information. Do not post or share information such as addresses, telephone numbers, etc., and do not post or share someone else's personal information.

Learning Activities and Tests

Online Discussion

Class Participation

The following requirements are for online discussions:

The student will submit an initial discussion post per discussion topic. This initial discussion is a minimum of 250 words. This initial discussion post must include a level of detail, analysis and reflection related to the discussion topic. The student is expected to cite references to support their opinion. Any use of references must be properly cited using APA format.

Each student is required to reply to a minimum of two student initial posts. The reply post is a minimum of 100 to 150 words. This post must include a level of detail, analysis and reflection.

To receive the minimum points possible for a weekly discussion requires each student to post their initial discussion response on the regular night of the class session and two student reply posts by day four of the session – unless otherwise directed by the professor.

Post / Response Guidelines

In an online classroom the majority of discussion among class members will take place in the discussion forum. Online discussion forums are designed to allow the class to engage in a healthy dialog on the lesson topic or question being presented. However, for the dialog to remain productive Bethel University requires each person to conduct themselves in a responsible manner by following the simple guidelines below. These help to maintain a collaborative and congenial environment by reminding us all that, when we communicate online, we are still engaging real people.

Stay on the discussion topic. Be respectful of participants and their time by staying on-topic and not commandeering a discussion with vague or unrelated comments. Contribute productive

information when participating in a discussion by stating a complete and logical idea or concept. The goal in the discussion is to delve into a topic and “learn,” so when you post a comment stay on topic and explain your point of view.

Access the discussions several times in the weekly sessions to remain current and active in the discussion.

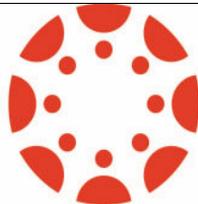
Do not post copyrighted material without the expressed, documented permission of the copyright holder or following proper source citation of the information, just as you would when writing an essay or term paper. Cite a source if you use it.

Contact your instructor if you have any questions.

Course Schedule

See the Canvas Home Page (also Modules) for the detailed schedule.

Week	Dates	Assignment/Activity
1-2		WebAssign – chapters 1 & 2 Reflective Paper 1
3-4		WebAssign - chapter 3 Exam on chapters 1 - 3
5-6		WebAssign – chapters 4, 5, & 6.1 Reflective Paper 2
7-8		WebAssign – chapter 6 Exam on chapters 4 - 6
9-10		WebAssign – chapters 7 & 8.1
11-12		Exam on chapter 7 & 8 WebAssign – 8, start 9.1
13-14		Exam 4 on chapters 9 – 10.1



canvas

Purpose of Learning Activities

Syllabus Review & Acknowledgement (Canvas Quiz)

This assignment is to ensure students have a clear direction of expectations through the syllabus that is the roadmap for this course.

Getting to Know You Discussion (Autobiography)

This assignment is to build a strong online community from the beginning of the class that can contribute to the overall learning success.

Lectures & Readings

These help students understand core course concepts through a series of lectures and readings. There will be some optional virtual meetings to discuss lectures.

Weekly Chapel Devotionals

These assignments help students enjoy a more holistic experience with Bethel University through a strengthening of mind, body and spirit as part of our mandate for temple care.

Weekly Concept Discussions

These assignments help students better understand core course concepts through engaging in a variety of quality discussions with faculty and peers. These are a great way to ask questions!

Takeaways (May not use)

This assignment allows students to pause and reflect on key elements of the course that stood out for various reasons. These also help the faculty to see areas of most interest.

Course Evaluations

This allows the student, faculty and Bethel University to evaluate its teaching and learning so that this learning can be perfected for all involved and toward the glory of God.

Exams

These are all found in Canvas and Canvas calls them "Quizzes."

Bethel University Policies and Resources

To view all Bethel University policies and information, please review the [Student Handbook](#).

Online Attendance

Online attendance is recorded each time that you log into the learning management system. The academic week is seven days for an online session and is based on the night the class normally meets (i.e. if the class meets on Monday night then the online session will be from Monday night through Sunday night of the following week). To receive full credit for attending online, you must login AND one of the following items must be completed as directed by the instructor:

- Submit an academic assignment.
- Submit a quiz or exam.
- Participate in a posted online academic discussion.

Note that the following actions will not count as attendance:

- Logging into class without active participation does not constitute attendance.
- Work done in a lab or other outside environment will not count toward online attendance.
- Assignments completed the week after the online assignment is due will not count toward attendance for the previous week.

Students are strongly encouraged to log into the course a minimum of three days during the week the course is “online” in order to understand the subject fully and to be successful in class.

An online absence is counted the same as an in-class absence.

Late or Make Up Work

It is important for students to submit work on time as scheduled in the class. This allows the instructor time to grade the material and provide feedback if necessary. Circumstances may interfere with the ability to submit an assignment on time. However, as a student you agree to take the class and therefore agree to submit work on time.

Students are encouraged to work ahead to avoid late assignments. Please communicate with your professor promptly if you have extenuating circumstances that may contribute to a late assignment.

Assignments (excluding discussion questions) will be accepted late, subject to a 10% deduction off the earned grade per day late (24-hour period), for up to 3 days. No assignments will be accepted after 3 days. Discussion posts and responses that are not posted by the due date will receive 0 points and are not accepted past the due date. (At the discretion of the instructor.)

All work must be completed and submitted by the end of Week 7 of the course. No work will be accepted after the last day of the course.

Plagiarism

Any act of deceit, falsehood or stealing by unethically copying or using someone else's work in an academic situation is prohibited. A student found guilty of plagiarism will receive an "F" for that paper, assignment or exam. The professor will have an interview with the student and submit a written report to the Program Director or Coordinator for the area in which the student is enrolled. If a second offense should occur, the student will be required to appear before the professor, the director and the vice president for adult and graduate studies. At this point the student's continuation in the course and academic career are in jeopardy. Students are encouraged to refer to the Bethel Library's [online help for proper citation](#).

Disability Services

The Americans with Disabilities Act (ADA) is a law that provides civil rights protection for people with disabilities. Bethel University is compliant with equal access laws and requests students with disabilities The Center for Academic Success (CAS) is located in the lower level of the Miller/Moore Academic Center.

If you have a disability, or think you have a disability, please make an appointment by calling Disability Services at the Center for Academic Success at (574) 807-7460 or (574) 807-7462 or email academicsuccess@betheluniversity.edu.

Bethel's website offers more detailed information under CAS. Please check out the [Student Guide for Disability Services](#).

Information Technology Help Desk

The Help Desk is open Monday-Thursday from 7:30 a.m. - 6 p.m. and Friday, 7:30 a.m. - 5 p.m., during the fall and spring semesters, and 8 a.m. - 5 p.m. during the summer (starting May 1). Hours may vary on holidays and breaks.

Contact the Help Desk at helpdesk@betheluniversity.edu or by calling (574) 807-7777.

Library

Bethel's Bowen Library offers a range of resources and services, both online and physical, to all students enrolled at Bethel University. All online resources are available at the [library website](#).

Almost all periodicals and journals are available online, and there is a wide selection of e-books available as well. Off-campus access to these resources requires an active Bethel login account. For assistance in locating information, librarians are available to answer questions via email ([Ask a Librarian](#)), phone, or in person during regular business hours. For physical resources, students are able to use the [library catalog](#) to locate books and resources that are held either by Bethel or any other library. Students may use the catalog to request books from another library and have them delivered to the Bowen Library.

Students may also go to any [PALNI](#) library or to Notre Dame or Holy Cross and check material out in person with a valid student ID. PALNI is a consortium of several academic libraries in Indiana of which Bethel is a member; some nearby member libraries include Saint Mary's, Associated Mennonite Biblical Seminary, Goshen, and Grace. In addition, physical books and

journals, the Bowen Library provides study spaces, computers, and printers (included a web print station) to all students.

Syllabus Acknowledgment

Enrollment in this course is considered an acknowledgment that the student will review and follow the course syllabus and additional University policies as stated within the student handbook, University catalog and student information provided by the University through the campus website.

This syllabus is not a legal contract, but serves as a general outline for the semester. The professor reserves the right to make adjustments to the course as the need arises.

To God be the Glory! (Isaiah 42:8)