



UNIVERSITY OF SOUTHERN MINDANAO

Course Syllabus for STATISTICAL THEORY



Course Number

Math 313

Rev. No.

0

Page 1 of 10

| EFFECTIVE DATE | REV. NO. | REVISION TYPE | CHANGE DESCRIPTION | PAGE AFFECTED | ORIGINATOR |
|----------------|----------|---------------|---|---------------|-------------------------------------|
| August 8, 2022 | 0 | New | Newly established syllabus for BS Applied Mathematics program for use. Flexible mode of instructions is adapted. Suggested readings with corresponding pages\URL and supplemental materials are included. | All | Anna Jean S. Garcia/Daryl Mae Mamon |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

ELECTRONICALLY RELEASED
2025-07-09

INSTITUTIONAL POLICIES

| Author: | Reviewer: | Verifier: | Validator: | Final Approver: | DCC USE ONLY |
|---|---|---|--|---|--|
| ANNA JEAN S. GARCIA DARYL MAE C. MAMON Course Developer | JENEATH LICAROS, Ph.D Department Curriculum Coordinator | LEONARD M. PALETA, PhD Department Chairperson | JONALD L. PIMENTEL, PhD Dean | GEOFFRAY R. ATOK, PhD Vice President for Academic Affairs | DOCUMENT CONTROL INDICATOR <div> MASTER 2022-08-11 </div> <div>COPY</div> |
| Date: 2022-08-01 | Date: 2022-08-02 | Date: 2022-08-03 | Date: 2022-08-04 | Date: 2022-08-05 | |

This document is a sole property of UNIVERSITY OF SOUTHERN MINDANAO. Any disclosure, unauthorized reproduction or use is strictly prohibited except with permission from USM. Only documents with standard signatories of USM are considered official.

USM-EDU-F05-Rev.4.2020.02.18

MAKIN COPY



| UNIVERSITY OF SOUTHERN MINDANAO | | | | | |
|---------------------------------|----------|--------------|--------------------|--------------|---|
| Course Number | MATH 313 | Course Title | STATISTICAL THEORY | Rev. No. | Ø |
| | | | | Page 2 of 20 | |

| INSTITUTIONAL POLICIES | |
|------------------------------|--|
| Vision | Quality and relevant education for its clientele to be globally competitive, culture sensitive and morally responsive human resources for sustainable development. |
| Mission | Help accelerate socio-economic development ^{M₁} , promote harmony among the diverse cultures ^{M₂} and improve quality of life ^{M₃} through instruction, research, extension and resource generation in Southern Philippines. |
| Core Values | G-Goodness, R-Responsiveness, E-Excellence, A-Assertion of Right and T-Truth |
| USM Quality Policy Statement | <p>The University of Southern Mindanao, as a premier university, is committed to provide quality instruction, research development and extension services and resource generation that exceed stakeholders' expectations through the management of continual improvement efforts on the following initiatives.</p> <ol style="list-style-type: none">1. Establish key result areas and performance indicators across all mandated functions;2. Implement quality educational program;3. Guarantee competent educational service providers;4. Spearhead need-based research outputs for commercialization, publication, patenting, and develop technologies for food security, climate change mitigation and improvement in the quality of life;5. Facilitate transfer of technologies generated from research to the community for sustainable development;6. Strengthen relationship with stakeholders;7. Sustain good governance and culture, sensitivity; and8. Comply with customer, regulatory and statutory requirements. |
| Goals of the College | <ol style="list-style-type: none">1. The College of Science and Mathematics of the University of Southern Mindanao is committed to the comprehensive preparation of the next generation of scientists and mathematicians in this part of the country.2. The College supplies a condition in which faculty can advance and support high-quality research programs in which students can collaborate and contribute to new knowledge that improves quality of life.3. The College aspires to be the center of excellence in Science and Mathematics in order to serve diverse students, preparing them for their future careers in line with the vision and mission of the University.4. The College serves the community and the industry as an impartial source of quality graduates in Science and Mathematics that provides education, literacy, innovation and solution generation to challenges. |

MASTER COPY

This document is a sole property of UNIVERSITY OF SOUTHERN MINDANAO. Any disclosure, unauthorized reproduction or use is strictly prohibited except with permission from USM. Only documents with standard signatories of USM are considered official.

USM-EDU-F05-Rev.4.2020.02.18



| UNIVERSITY OF SOUTHERN MINDANAO | | | | | |
|---------------------------------|----------|--------------|--------------------|----------|--------------|
| Course Number | MATH 313 | Course Title | STATISTICAL THEORY | Rev. No. | Ø |
| | | | | | Page 3 of 20 |

INSTITUTIONAL POLICIES

Department Objectives

The Department of Mathematics and Statistics aims to:

1. produce students with mastery in the core areas of mathematics and statistics, including algebra, analysis, and geometry;
2. develop students' skills in pattern recognition, generalization, abstraction, critical analysis, synthesis, problem-solving and rigorous argument;
3. express an enhanced perception of the vitality and importance of mathematics in the modern world including inter-relationships within math and its connection to other disciplines; and
4. develop students' skills in creating and evaluating mathematical conjectures and arguments, and in validating their own mathematical thinking.

PROGRAM INFORMATION

| | | | | | |
|----------------|--|--------------------|-----------------|--------------|----------------------------|
| Degree Program | Bachelor of Science in Applied Mathematics | CHED CMO Reference | 408 Series 2017 | BOR Approval | BOR Res. No. 24, s 2020 |
|----------------|--|--------------------|-----------------|--------------|----------------------------|

COURSE DETAILS

| | | | | | |
|--------------------|--|----------------------|---------------------|-----------------------------|---------------------------------------|
| Course Title | Statistical Theory | | | | |
| Course Number | MATH 313 | Curriculum Component | Major Course | | |
| Credit (--Unit) | 3 | LECTURE (Unit-Hours) | 3-3 | LABORATORY (Unit-Hours) | 0-0 |
| Prerequisites | Fundamental Concepts of Mathematics, Calculus III | Co-requisites | None | Year Level/Semester Offered | 3 rd Year / First Semester |
| Course Description | This course is an introduction to statistics and data analysis. It covers the following: reasons for doing Statistics, collection, summarization and presentation of data, basic concepts in probability, point and interval estimation, and hypothesis testing. | | | | |
| Faculty in charge | | | | | |
| Consultation Hours | | | Contact Information | | |



UNIVERSITY OF SOUTHERN MINDANAO

| | | | | | | |
|---------------|----------|--------------|--------------------|----------|---|--------------|
| Course Number | MATH 313 | Course Title | STATISTICAL THEORY | Rev. No. | Ø | Page 4 of 10 |
|---------------|----------|--------------|--------------------|----------|---|--------------|

PROGRAM EDUCATIONAL OBJECTIVES (PEO)

In 3-5 years, the graduates of USM shall:

| PEO | Description | MISSION | | |
|-------|--|---------|----|----|
| | | M1 | M2 | M3 |
| PEO 1 | Provide leadership in various development programs both public and private | ✓ | | |
| PEO 2 | Equip with technical, conceptual and human resource skills | ✓ | | |
| PEO 3 | Pursue entrepreneurial activities | ✓ | | ✓ |
| PEO 4 | Able to adapt to diverse culture | ✓ | | ✓ |
| PEO 5 | Pursue advanced studies in emerging related fields | | ✓ | |
| | | | ✓ | ✓ |

NOTE: The PEO's are based on the professional, industry, local, national and international needs and requirements of the program identified through consultation with constituents and stakeholders.

PROGRAM OUTCOMES (PO)

Upon graduation, the University of Southern Mindanao **BSAM** students must be able to:

| | PEO1 | PEO2 | PEO3 | PEO4 | PEO5 | PEO6 | PEO7 | PEO8 | PEO9 | PEO10 | ... |
|---|------|------|------|------|------|------|------|------|------|-------|-----|
| a.) Articulate and discuss the latest development in the specific field of practice. | | ✓ | | | | | | | | | |
| b.) Effectively communicate orally and in writing using both English and Filipino | | ✓ | | | | | | | | | |
| c.) Work effectively and independently in multidisciplinary and multi-cultural teams. | | | ✓ | ✓ | | | | | | | |
| d.) Act in recognition of professional, social and ethical responsibilities. | ✓ | | | | | | | | | | |
| e.) Preserve and promote "Filipino historical and cultural heritage" | | | | ✓ | | | | | | | |
| f.) Participate in the generation of new knowledge in research and development projects. | | ✓ | | | | | | | | | |
| g.) Demonstrate broad and coherent knowledge and understanding in the core areas of physical and natural sciences. | | ✓ | | | | | | | | | |
| h.) Apply critical and problem solving skills using the scientific method. | | ✓ | | | | | | | | | |
| i.) Interpret relevant scientific data and make judgements that include reflection on relevant scientific and ethical issues. | ✓ | ✓ | | | ✓ | | | | | | |
| j.) Carry out basic mathematical and statistical computations and use appropriate technologies in the analysis of data. | | ✓ | | | ✓ | | | | | | |
| k.) Communicate information, ideas, problems, and solutions, both orally and in writing, to other scientists, decision makers, and the public. | ✓ | ✓ | ✓ | ✓ | | | | | | | |
| l.) Relate science and mathematics to the other disciplines. | | ✓ | ✓ | ✓ | ✓ | | | | | | |
| m.) Design and perform safe and responsible techniques and procedures in laboratory or field practices. | | ✓ | | | | | | | | | |
| n.) Critically evaluate input from others. | | ✓ | | | | | | | | | |
| o.) Appreciate the limitations and implications of science in everyday life. | | ✓ | | ✓ | | | | | | | |
| p.) Commit to the integrity of data. | | ✓ | | | | | | | | | |
| q.) Gain mastery in the core areas of mathematics: algebra, analysis, and geometry. | | ✓ | | ✓ | ✓ | | | | | | |
| r.) Demonstrate skills in pattern recognition, generalization, abstraction, critical analysis, synthesis, problem-solving and rigorous argument. | | ✓ | | | ✓ | | | | | | |
| s.) Develop an enhanced perception of the vitality and importance of mathematics in the modern world including inter-relationships within math and its connection to other disciplines. | ✓ | | | ✓ | | | | | | | |



| UNIVERSITY OF SOUTHERN MINDANAO | | | | | | |
|---------------------------------|----------|--------------|--------------------|--|--|--------------|
| Course Number | MATH 313 | Course Title | STATISTICAL THEORY | | | Rev. No. |
| | | | | | | Ø |
| | | | | | | Page 5 of 10 |

| | | | | | | | | | | | |
|--|---|---|--|---|--|--|--|--|--|--|--|
| t.) Appreciate the concept and role of proof and reasoning and demonstrate knowledge in reading and writing mathematical proofs. | | ✓ | | ✓ | | | | | | | |
| u.) Make and evaluate mathematical conjectures and arguments and validate their own mathematical thinking. | | ✓ | | ✓ | | | | | | | |
| v.) Communicate mathematical ideas orally and in writing using clear and precise language. | ✓ | ✓ | | | | | | | | | |

NOTE: Minimum PO's shall come from the PSG/CMO of the program if applicable. Other additional PO's may come from consultations with constituents and stakeholders.

| COURSE OUTCOMES (CO) | | POa | POb | POc | POd | POe | POf | POg | POh | POi | POj | POk | POl | POm | POn | POo | POp | POq | POr | POs | POt | POu | POv | POw | POx | POy | POz |
|---|---|--------------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Upon passing this course, the students must be able to: | | Course Alignment to Program Outcomes | | | | | | | | | | | | | | | | | | | | | | | | | |
| CO 1 | Demonstrate knowledge of the basic terms, concepts and procedures in statistics | | | | | | I | | | | | | | | | | | | | | | | | | | | |
| CO 2 | Use appropriate methods of data collection and presentation; | | | | | | I | I | | I | | | | | | | | I | I | | | | I | | | | |
| CO 3 | Summarize data using different numerical measures | | | | | | I | I | | I | | I | | | | I | | I | I | | | | I | | | | |
| CO 4 | Apply rules of probability in handling probability sampling distributions | | | | | | I | I | | I | | | | | | | | I | I | | | | I | | | | |
| CO 5 | Make inferences about the mean and proportion of one and two populations using sample information through estimation and hypothesis testing | | | | | | I | I | | I | | I | | | | I | | I | I | | | | I | | | | |
| CO 6 | Investigate the linear relationship between two variables by measuring the strength of association and obtaining a regression equation to describe the relationship | | | | | | I | I | | I | | I | | | | | I | I | I | | | | I | | | | |
| CO 7 | Analyze data resulting from the conduct of experiments | | | | | | I | I | | I | | I | | | | | I | I | I | | | | I | | | | |
| CO 8 | Guard against misuses of statistics | | | | | | I | | | | | | | | | | I | I | | | | | I | | | | |

*Level (follow the legend used in the most relevant PSG/CMO)

[I] Introductory. This introduces the student to the Program Outcome (PO)

[E] Enabling. This enables the student to attain the Program Outcome (PO)

[D] Demonstrative. This demonstrates the student's attainment of the Program Outcome (PO)



| UNIVERSITY OF SOUTHERN MINDANAO | | | | | |
|---------------------------------|----------|--------------|--------------------|----------|---------|
| Course Number | MATH 313 | Course Title | STATISTICAL THEORY | Rev. No. | Ø |
| | | | | Page | 6 of 10 |

COURSE LEARNING PLAN

| Intended Learning Outcomes (ILO) By the end of the learning experience*, students must be able to: | Aligned to CO: | Time Frame (Week) | Course Content (Topics) | Teaching & Learning Activities (TLA) | | Learning Materials | Assessment Tasks (AT) | Suggested Readings |
|--|-------------------|-------------------------|--|---|---|--|--|--|
| | | | | Teaching Activities | Learning Activities | | | |
| 1.1 Explain the vision, mission, UQPS of the University 1.2 Explain the goals and objectives of the college. 1.3 Explain the Program Educational Objectives, Students Outcomes, and Course Outcomes. | | 1 | Orientation on Classroom and University Policies as well as Grading System • Discussion on PEO, SO and CO | Orientation Lecture/Discussion | Reading; Assignment | Computer; Chalkboard | Recitation | [1] page 26, 32-33 |
| 2.1 Discuss use of statistics in their field of study. 2.2 Advocate statistical data in making important decisions. | CO1 | 1-2 | I. Introduction of Statistics • Description and history of statistical science • Basic Concepts, Data and Variables • Summation and Factorial Notation | Lecture/ Video Presentation/ Module | Reading Discussion Assignment Practice Activities VLE Tasks | Chalkboard Book PDF Workbook Laptop/PC | Quizzes Exams Practice Activities Reports/ Reflective paper | [2] page 75 [3] pages 17-20 [4] pages 1-2 [5] pages 2-6 |
| 3.1 Demonstrate sample selection using different sampling method. 3.2 Classify the sources and type of data gathered. | CO2 CO4 | 3 | II. Collection and Sampling • Methods of data collection • Population and Sample • Sampling Method • Sample Size Determination | Lecture/ Video Presentation/ Module | Reading Discussion Assignment Practice Activities VLE Tasks | Chalkboard Book PDF Workbook Laptop/PC | Quizzes Exams Practice Activities Reports/ SUMMATIVE EXAM 1 | [2] pages 10-23 [5] pages 10-15 |
| 4.1 Present data by creating statistical tables and graphs such as frequency table, histogram and the likes and interpret them meaningfully. 4.2 Advocate the use of online statistical tools to present data in tables and graphs. | CO2 | 4-5 | III. Data Presentations • Tabular Presentations and Graphical Displays: Frequency distribution, Histogram, Stem plot, Cross tabulation | Lecture/ Video Presentation/ Module | Reading Discussion Assignment Practice Activities VLE Tasks | Chalkboard Book PDF Workbook Laptop/PC | Quizzes Exams Practice Activities Reports/ SUMMATIVE EXAM 2 | [2] page 77, 96-101 [3] pages 38-45 [4] pages 2-5 [5] pages 19-31 |
| 5.1 Discuss the different numerical | CO3 | 6-7 | IV. Numerical Measures of | Lecture/ | Discussion | Chalkboard | Quizzes | [2] pages 77-91 |



| | | | | | | | | | | | | |
|---------------|--|----------|--|--------------|--|---------------------------------|--|--------------------|--|----------|---|--------------|
| Course Number | | MATH 313 | | Course Title | | UNIVERSITY OF SOUTHERN MINDANAO | | STATISTICAL THEORY | | Rev. No. | Ø | Page 7 of 10 |
|---------------|--|----------|--|--------------|--|---------------------------------|--|--------------------|--|----------|---|--------------|

COURSE LEARNING PLAN

Intended Learning Outcomes (ILO)
By the end of the learning experience*,
students must be able to:

Aligned
to CO:

Time
Frame
(Week)

Course Content
(Topics)

Teaching & Learning Activities (TLA)
Teaching Activities Learning Activities

Learning
Materials

Assessment
Tasks (AT)

Suggested
Readings

measures of description
5.2 Interpret and write effective reports
on summary statistics such as mean,
standard deviation and the likes.

CO₄

8

Description

- Measures of Central Tendency and Location
- Measures of Variation
- Measures of Skewness
- The Boxplot

Video Presentation/
Module

Assignment
Practice Activities
VLE Tasks

Book
PDF
Workbook
Laptop/PC

Exams
Practice Activities
Reports/
Reflective paper

[3] pages 23-37
[4] pages 5-15
[5] pages 36-56

6.1 Discuss probability, its properties and
its use in different field of study.
6.2 Demonstrate and cite the differences
of the two rules in solving probability.

CO₄

8

V. Probability

- Random experiments, sample spaces, events
- Properties of probability
- Addition and Multiplication Rule of Probability

Lecture/
Video Presentation/
Module

Discussion
Assignment
Practice Activities
VLE Tasks

Chalkboard
Book
PDF
Workbook
Laptop/PC

Quizzes
Exams
Practice Activities
Reports/

[3] pages 58-66
[4] pages 45-63,
87-96
[5] pages 53-73

All ILOs covered in Midterm

7.1 Understand the concept of random
variable
7.2 Discuss the concept of probability
distributions and its types.
7.3 Discuss normal distribution and other
common distributions and their actual
application in day-to-day living.

CO₄

9

VI. Probability Distributions

- Concept of random variable
- Discrete and continuous probability distributions
- Expected values
- The Normal Distributions
- Other common distributions

Lecture/
Video Presentation/
Module

Discussion
Assignment
Practice Activities
VLE Tasks

Chalkboard
Book
PDF
Workbook
Laptop/PC

Quizzes
Exams
Practice Activities
Reports/
Reflective paper

[2] pages 110-
121
[4] pages 114-
116, 132-136
[5] pages 82-83

8.1 Understand the concept of random
variable
8.2 Discuss the importance of sampling
distribution

CO₄

11

VII. Sampling Distributions

Lecture/
Video Presentation/
Module

Discussion
Assignment
Practice Activities
VLE Tasks

Chalkboard
Book
PDF
Workbook
Laptop/PC

Quizzes
Exams
Practice Activities
Reports/

[2] page 125

MIDTERM EXAMINATION

SUMMATIVE
EXAM 4



| | | | | | | | | | | | | |
|---------------|--|----------|--|--------------|--|---------------------------------|--|--------------------|--|----------|---|--------------|
| Course Number | | MATH 313 | | Course Title | | UNIVERSITY OF SOUTHERN MINDANAO | | STATISTICAL THEORY | | Rev. No. | Ø | Page 8 of 10 |
|---------------|--|----------|--|--------------|--|---------------------------------|--|--------------------|--|----------|---|--------------|

| COURSE LEARNING PLAN | | | | | | | | |
|--|-------------------|----------------------|---|---|---|--|---|--|
| Intended Learning Outcomes (ILO) By the end of the learning experience*, students must be able to: | Aligned to CO: | Time Frame (Week) | Course Content (Topics) | Teaching & Learning Activities (TLA) | | Learning Materials | Assessment Tasks (AT) | Suggested Readings |
| | | | | Teaching Activities | Learning Activities | | | |
| 9.1 Understand the concept of interval estimate and confidence interval. 9.2 Discuss the procedures of constructing a confidence interval for one population mean and proportion. | CO5 CO7 CO8 | 12 | VIII. Estimation • Basic concepts of estimation • Confidence Interval for Population Mean • Confidence Interval for Population Proportion | Lecture/ Video Presentation/ Module | Discussion Assignment Practice Activities VLE Tasks | Chalkboard Book PDF Workbook Laptop/PC | Quizzes Exams Practice Activities Reports/ SUMMATIVE EXAM 5 | |
| 10.1 Understand the concept of hypothesis testing and its application to their field of study. 10.2 Discuss the procedures of establishing statistical hypotheses and the role of Type I and Type II error. 10.3 Use different statistical test for differences among the means of several groups. 10.4 Use online statistical tools to calculate and interpret numerical data. | CO5 CO7 CO8 | 13-15 | IX. Tests of Hypothesis • Basic concepts of statistical Hypothesis testing • Testing the hypothesis on the population mean • Testing the hypothesis on the population proportion • Testing the difference of two means • Testing the difference of two proportions • Test of independence | Lecture/ Video Presentation/ Module | Reading Discussion Assignment Practice Activities VLE Tasks | Chalkboard Book PDF Workbook Laptop/PC | Quizzes Exams Practice Activities Reports/ SUMMATIVE EXAM 6 | [2] pages 131-169 [3] pages 240-256, 307-317, 373-389, 438-450, 578-623 [4] pages 261-272, 294-297, 322-334 [5] pages 125-177 |
| 11.1 Interpret the SLR model parameters 11.2 Interpret and write effective reports about the statistical outputs of performing specific tasks. 11.3 Use online statistical tools to calculate and interpret numerical data. | CO6 CO7 CO8 | 16-17 | X. Regression and Correlation • The correlation coefficient • The Linear Regression Analysis | Lecture/ Video Presentation/ Module | Discussion Assignment Practice Activities VLE Tasks | Chalkboard Book PDF Workbook Laptop/PC | Quizzes Exams Practice Activities Reports/ Reflective paper | [2] pages 186-213 |
| All ILOs covered in the Course | | 18 | | | | | | |

* any interaction, course, program, or other experience in which learning takes place (<https://www.edglossary.org/learning-experience/>).



| | | | | | | | |
|---------------|----------|--------------|---------------------------------|--------------------|----------|---|------------|
| Course Number | MATH 313 | Course Title | UNIVERSITY OF SOUTHERN MINDANAO | STATISTICAL THEORY | Rev. No. | Ø | Page of 10 |
|---------------|----------|--------------|---------------------------------|--------------------|----------|---|------------|

- [1] USM Student Manual
- [2] Daniels, L. and Minot, N. 2020. *An introduction to Statistics and Data Analysis using STATA*. SAGE publications Inc.: USA.
- [3] Jaisingh, L. 2011. *Statistics for the Utterly Confused, 2nd Ed.* The McGraw-Hill Companies, Inc.: USA.
- [4] Lipschutz, S. 2000. *Probability*. The McGraw-Hill Companies, Inc.: USA.
- [5] Supe, Arnulfo P. 1999. *Elementary Statistics*. Iligan City.

Textbook/References

Research

Life-long Learning Opportunity

Course Outcomes (CO)

Course Evaluation

| Course Outcomes (CO) | Assessment Task Addressing CO | Weight (%) | Satisfactory Rating | Target Standard |
|---|-------------------------------|------------|---------------------|---|
| CO 1: Demonstrate knowledge of the basic terms, concepts and procedures in statistics | Quizzes/Summative Exams | 60 | 60 | 90% of the class obtained a satisfactory rating |
| | Midterm Exam | 40 | | |
| | Final Exam | 40 | | |
| CO 2: Use appropriate methods of data collection and presentation | Quizzes/Summative Exams | 60 | 60 | 90% of the class obtained a satisfactory rating |
| | Midterm Exam | 40 | | |
| | Final Exam | 40 | | |
| CO 3: Summarize data using different numerical measures | Quizzes/Summative Exams | 60 | 60 | 90% of the class obtained a satisfactory rating |
| | Midterm Exam | 40 | | |
| | Final Exam | 40 | | |
| CO 4: Apply rules of probability in handling probability sampling distributions | Quizzes/Summative Exams | 60 | 60 | 90% of the class obtained a satisfactory rating |
| | Midterm Exam | 20 | | |
| | Final Exam | 20 | | |
| CO 5: Make inferences about the mean and proportion of one and two populations using sample information through estimation and hypothesis testing | Quizzes/Summative Exams | 60 | 60 | 90% of the class obtained a satisfactory rating |
| | Midterm Exam | 40 | | |
| | Final Exam | 40 | | |
| CO 6: Investigate the linear relationship between two variables by measuring the strength of association and obtaining a regression equation to describe the relationship | Quizzes/Summative Exams | 60 | 60 | 90% of the class obtained a satisfactory rating |
| | Midterm Exam | 40 | | |
| | Final Exam | 40 | | |
| CO 7: Analyze data resulting from the conduct of experiments | Quizzes/Summative Exams | 60 | 60 | 90% of the class obtained a satisfactory rating |
| | Midterm Exam | 40 | | |
| | Final Exam | 40 | | |
| CO 8: Guard against misuses of statistics | Quizzes/Summative Exams | 60 | 60 | 90% of the class obtained a satisfactory rating |
| | Midterm Exam | 40 | | |
| | Final Exam | 40 | | |

This document is a sole property of UNIVERSITY OF SOUTHERN MINDANAO. Any disclosure, unauthorized reproduction or use is strictly prohibited except with permission from USM. Only documents with standard signatories of USM are considered official.

USM-EDU-F05-Rev.4.2020.02.18

MASTER COPY



Course Number

MATH 313

Course Title

UNIVERSITY OF SOUTHERN MINDANAO

STATISTICAL THEORY

Rev. No.

Ø

Page 10 of 10

Midterm Grade**Grading System**

Quizzes/Summative Exams-----30%
Assignments/Seat works/Group Reports-----30%
Midterm Exam-----40%

Final Grade

50% Midterm Grade+50% Final Term Grade

Final Term Grade

Quizzes/Summative Exams-----30%
Assignments/Seat works/Group Reports-----30%
Final Exam-----40%

Passing Grade

50%

Classroom Policies

1. Come to class prepared for recitation, class discussions, or unannounced quizzes always. Demonstrate personal responsibility by obtaining notes and finding out any instructions/important announcements given on the class period missed.
2. Absence is not a right, nor a privilege. The University Code on absence and tardiness applies. 20% of the total class hours means you are DROPPED from the course. Absences can be excused only after presenting official documents.
3. All submissions must be your original work. Cite sources properly. Plagiarism and any form of academic cheating get a corresponding grade of 5.0 (Failed) and can be grounds for suspension or expulsion.
4. During online class, students are expected to:
 - a. Show up on a scheduled time and wait to be admitted into the class.
 - b. Be always respectful. If your video is on, avoid hand gestures or inappropriate language.
 - c. Stay on mute. Click a raise hand button if you have a question or something to share.
 - d. Stay focused and on task, so you don't miss anything the speaker says.
 - e. Class participation is highly encouraged.
5. Consultation: You can approach your class mayor for your concerns so he/she will relay them once to your professor
6. All information and queries regarding our class will be posted in our official group chat or facebook group. Refrain from posting unrelated topics in these platforms as these will take up space in the messenger box and will make it difficult to backread important messages.
7. Observe proper decorum when sending messages to your professors.
8. Avoid sending messages online outside office hours or during evening.
9. All submissions must be in USM VLE. Submissions made outside VLE will not be accepted.