

# STAT 244 Syllabus

- **University** : University of Saskatchewan
- **Academic Term** : Fall 2024
- **Class Room** : SP College in Muenster (1:00 pm – 3:50 pm M)
  1. The St. Peters College campus is situated on Treaty 6 Territory and the Homeland of the Metis. We pay our respects to the First Nations and Metis ancestors of this place and reaffirm our relationship with one another.
- **Lab Room** : SP College in Muenster (4:00 pm – 5:20 pm M)
- **Instructor** : Dr. Osama Mohammad Al-Bataineh
- **Office** : McLean Hall, Rm 137, Univ of Sask.
- **Office Hours** :
  1. Monday (10:00 am – 12:00 pm) in Room 118 (Faculty Office in SP Coll.).
- **Instructor Email** : osb907@mail.usask.ca
- **Textbook** : *Introduction to Probability and Statistics.* Mendenhall, Beaver, Beaver, Ahmed, 3rd, or 4th Can edition.

## Grades Distribution

- **Midterm** :
  1. Monday Oct 21st, 2024, 18%.
- **Quizzes** : 16% (4% each)
  1. Monday Sep 16th, 2024.
  2. Monday Nov 4th, 2024.
  3. Monday Nov 25th, 2024.
  4. Monday Dec 2nd, 2024.
- **Assignments** : 16% (4 assignments – 4% each).
- **Final Exam** : TBA, 50%.

## Course Material

- **Chapters 1, 2 and 3** : Describing data.
- **Chapter 4** : Probability distributions.
- **Chapter 5** : Discrete distributions.
- **Chapter 6** : Normal probability distribution.
- **Chapter 7** : Sampling distributions.
- **Chapter 8** : Large sample estimation.
- **Chapter 9** : large sample tests of hypotheses.
- **Chapter 10** : Inference from small samples.
- **Chapter 11** : Analysis of variance.
- **Chapter 12** : Linear regression and correlation.
- **Chapter 14** : Analysis of Categorical Data.
- **Chapter 15** : Nonparametric Statistics.

## Learning Objectives

- By the completion of this course, students will be expected to :
  1. Describe the roles that statistics serves in real life problems, including industry, public health, epidemiology and clinical research.
  2. Identify properties of data sets including the level of measurement for each variable and apply descriptive statistics to summarize the data according to its measurement type.
  3. Identify and implement appropriate statistical techniques (including one and two-sample hypotheses tests, ANOVA, simple regression, and several non-parametric methods) for analyzing data sets.

## Copyright Rules

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## Examinations with Accessibility Services for Students (AES)

- Students who need accessibility services (learning, medical, physical, or mental health) are strongly encouraged to register with Accessibility Services for Students (AES) if they have not already done so. Students who suspect they may need accessibility services should contact AES for advice and referrals. In order to access AES programs and supports, students must follow AES policy and procedures. For more information, check [Access and Equity Services](#), or contact AES at “aes@usask.ca”.
- Students registered with AES may request alternative arrangements for mid-term and final examinations. Students must arrange such accommodations through AES by the stated deadlines. Instructors shall provide the examinations for students who are being accommodated by the deadlines established by AES.

## Academic Honesty

- The University of Saskatchewan is committed to the highest standards of academic integrity and honesty. Students are expected to be familiar with these standards regarding academic honesty and to uphold the policies of the University in this respect. Students are particularly urged to familiarize themselves with the provisions of the Student Conduct & Appeals section of the University Secretary Website and avoid any behavior that could potentially result in suspicions

of cheating, plagiarism, misrepresentation of facts and/or participation in an offence. Academic dishonesty is a serious offence and can result in suspension or expulsion from the University.

All students should read and be familiar with the Regulations on Academic Student Misconduct ([academic misconduct](#)) as well as the Standard of Student Conduct in Non-Academic Matters and Procedures for Resolution of Complaints and Appeals ([non-academic misconduct](#)).

For more information on what academic integrity means for students see the Student Conduct & Appeals section of the University Secretary Website at : [forms](#).

### **Student Support**

- Student Learning Services (SLS) offers assistance to U of S undergrad and graduate students. For information on specific services, please see the SLS web site [SLS](#).

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August 28, 2024