

# **Assessments**

**STAT 109: Introductory Biostatistics**

# Assessments

## Overview

This course includes several types of assessments designed to help you learn and to demonstrate your understanding of statistical concepts and methods.

Component	Weight	Description
Daily Participation	5%	Warm-up problems in lecture (Mondays, Wednesdays, Fridays)
Weekly quizzes	30%	Quizzes on Thursdays at the beginning of lab
Weekly labs	15%	Programming labs due Tuesdays in Canvas
Two midterms	30%	Midterm 1 (Week 6, Friday) and Midterm 2 (Week 13, Friday)
Five projects	20%	Projects due Sundays at ends of weeks 5, 8, 10, 12, and 15
<b>Total</b>	<b>100%</b>	

## Daily Participation (5%)

Daily warm-up problems are completed at the beginning of each lecture (Mondays, Wednesdays, and Fridays). These collaborative activities give you an opportunity to work as a team with your classmates and practice key concepts.

## Weekly Labs (15%)

Weekly programming labs provide hands-on practice with statistical analysis using R. Labs are **due Tuesdays in Canvas**. I'll help you write the code during the Thursday lab session before they're due. Labs are graded on completion and your reflection. After the due date, a solution will be posted, so late submissions are generally not accepted except in documented emergencies.

### Individual Labs

- Lab 1 - Week 1 (due Tuesday, Week 2)
- Lab 2 - Week 2 (due Tuesday, Week 3)
- Lab 3 - Week 3 (due Tuesday, Week 4)
- Lab 4 - Week 4 (due Tuesday, Week 5)
- Lab 5 - Week 5 (due Tuesday, Week 6)
- Lab 6 - Week 7 (due Tuesday, Week 8)
- Lab 7 - Week 8 (due Tuesday, Week 9)
- Lab 8 - Week 9 (due Tuesday, Week 10)
- Lab 9 - Week 10 (due Tuesday, Week 11)
- Lab 10 - Week 11 (due Tuesday, Week 12)
- Lab 11 - Week 12 (due Tuesday, Week 13)

- **Lab 12** - Week 14 (due Tuesday, Week 15)
- **Lab 13** - Week 15 (due Tuesday, Finals Week)

## Weekly Quizzes (30%)

Weekly quizzes are administered on **Thursdays at the beginning of lab**. They assess your understanding of key concepts from the lessons, practice problems, and labs. If you need to miss a quiz due to illness or other emergencies, please contact me to make an arrangement to take it at another time.

### Individual Quizzes

- **Quiz 1** - Week 1
- **Quiz 2** - Week 2
- **Quiz 3** - Week 3
- **Quiz 4** - Week 4
- **Quiz 5** - Week 5
- **Quiz 6** - Week 7
- **Quiz 7** - Week 8
- **Quiz 8** - Week 9
- **Quiz 9** - Week 10
- **Quiz 10** - Week 11
- **Quiz 11** - Week 12
- **Quiz 12** - Week 14
- **Quiz 13** - Week 15

## Projects (20%)

Five projects throughout the semester allow you to apply statistical methods to practical, real-world problems. Projects are **due on Sundays** at the ends of weeks 5, 8, 10, 12, and 15 in Canvas. You may submit a late project up to a week late with no penalty. After a week, a project can be turned in for 70% of the grade. Projects can be used as part of a portfolio.

### Individual Projects

- **Project 1** - Due Sunday, Week 5 (Feb 22)
- **Project 2** - Due Sunday, Week 8 (Mar 15)
- **Project 3** - Due Sunday, Week 10 (Apr 5)
- **Project 4** - Due Sunday, Week 12 (Apr 19)
- **Project 5** - Due Sunday, Week 15 (May 10)

## Exams (30%)

### Midterms

- **Midterm 1:** Week 6, Friday (in lecture)
- **Midterm 2:** Week 13, Friday (in lecture)

Midterms require you to demonstrate your understanding of the course material. If you need to miss a midterm due to illness or other emergencies, please communicate with me as soon as possible to reschedule it. Alternatively, you may take the optional final exam to replace a missed midterm grade.

### Final Exam (Optional)

**Final Exam:** Wednesday, May 13, 2026, 10:20–12:10 PM, BSS 166

The final exam is optional and may be taken to replace a midterm grade. It is held during the scheduled final exam

period.

## Grading Scale

Final letter grades will be assigned based on overall performance:

A: 93-100% | A-: 90-92% | B+: 87-89% | B: 83-86% | B-: 80-82% | C+: 77-79% | C: 73-76% | C-: 70-72% | D: 60-69%  
| F: 0-59%

A minimum grade of **C-** is required for the course to count toward GE Area B4.