

# PUBH 147: HEALTH DATA ANALYSIS

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## In Workflow

1. PUBH Chair (m.mink@csus.edu)
2. HHS College Committee Chair (andrea.becker@csus.edu)
3. HHS Dean (sac19804@csus.edu)
4. Academic Services (catalog@csus.edu)
5. Senate Curriculum Subcommittee Chair (curriculum@csus.edu)
6. Dean of Undergraduate (gardner@csus.edu)
7. Dean of Graduate (cnewsome@skymail.csus.edu)
8. Catalog Editor (catalog@csus.edu)
9. Registrar's Office (k.mcfarland@csus.edu)
10. PeopleSoft (PeopleSoft@csus.edu)

## Approval Path

1. Fri, 06 Sep 2024 23:00:46 GMT  
Michael Mink (m.mink): Approved for PUBH Chair
2. Wed, 18 Sep 2024 03:16:56 GMT  
Andrea Becker (andrea.becker): Rollback to PUBH Chair for HHS College Committee Chair
3. Thu, 19 Sep 2024 23:54:44 GMT  
Michael Mink (m.mink): Approved for PUBH Chair
4. Fri, 20 Sep 2024 16:23:02 GMT  
Andrea Becker (andrea.becker): Rollback to PUBH Chair for HHS College Committee Chair
5. Fri, 20 Sep 2024 19:43:57 GMT  
Michael Mink (m.mink): Approved for PUBH Chair
6. Sat, 21 Sep 2024 03:20:21 GMT  
Andrea Becker (andrea.becker): Approved for HHS College Committee Chair
7. Mon, 23 Sep 2024 16:38:12 GMT  
Robert Pieretti (sac19804): Approved for HHS Dean

## History

1. Mar 27, 2019 by 212408496
2. Aug 9, 2019 by Janett Torset (torsetj)
3. Mar 29, 2021 by Janett Torset (torsetj)

Date Submitted: Fri, 06 Sep 2024 21:54:34 GMT

**Viewing: PUBH 147 : Health Data Analysis**

**Formerly known as: HLSC 147**

**Last approved: Mon, 29 Mar 2021 14:01:37 GMT**

**Last edit: Fri, 20 Sep 2024 19:42:44 GMT**

Changes proposed by: Susan Perez (217369465)

**Contact(s):**

| Name (First Last) | Email                | Phone 999-999-9999 |
|-------------------|----------------------|--------------------|
| Susan Perez       | susan.perez@csus.edu | 530-848-8011       |

**Catalog Title:**

Health Data Analysis

**Class Schedule Title:**

Health Data Analysis

**Academic Group: (College)**

HHS - Health & Human Services

**Academic Organization: (Department)**

Public Health

**Will this course be offered through the College of Continuing Education (CCE)?**

No

**Catalog Year Effective:**

Fall 2025 (2025/2026 Catalog)

**Subject Area: (prefix)**

PUBH - Public Health

**Catalog Number: (course number)**

147

**Course ID: (For administrative use only.)**

139401

**Units:**

3

**Is the only purpose of this change to update the term typically offered or the enforcement of existing requisites at registration?**

No

**In what term(s) will this course typically be offered?**

Fall, Spring

**Does this course require a room for its final exam?**

Yes, final exam requires a room

**This course complies with the credit hour policy:**

Yes

**Justification for course proposal:**

The justification for the course proposal prerequisite change are to allow for STAT 10A and 10B to be used as prerequisites, which are equivalents to the STAT 1 that we currently require. The justification for the course proposal ELO change is to update the software requirements for this course by removing the names of the specific software as new programs and software are constantly updating and changing in the field.

**Course Description: (Not to exceed 90 words and language should conform to catalog copy.)**

Introduction to methods and statistical practices used in the health sciences. Emphasis on the methods of collection, analysis, interpretation, and presentation of health data. Conceptual learning will be facilitated by sessions using computational software.

**Are one or more field trips required with this course?**

No

**Fee Course?**

No

**Is this course designated as Service Learning?**

No

**Is this course designated as Curricular Community Engaged Learning?**

No

**Does this course require safety training?**

No

**Does this course require personal protective equipment (PPE)?**

No

**Does this course have prerequisites?**

Yes

**Prerequisite:**

STAT 1 with a C or better or STAT10B with a C or better; Public Health major, Health Services Administration major, or instructor permission.

**Prerequisites Enforced at Registration?**

Yes

**Does this course have corequisites?**

No

**Graded:**

Letter

**Approval required for enrollment?**

No Approval Required

**Course Component(s) and Classification(s):**

Lecture

**Lecture Classification**

CS#02 - Lecture/Discussion (K-factor=1WTU per unit)

**Lecture Units**

3

**Is this a paired course?**

No

**Is this course crosslisted?**

No

**Can this course be repeated for credit?**

No

**Can the course be taken for credit more than once during the same term?**

No

**Description of the Expected Learning Outcomes and Assessment Strategies:**

List the Expected Learning Outcomes and their accompanying Assessment Strategies (e.g., portfolios, examinations, performances, pre-and post-tests, conferences with students, student papers). Click the plus sign to add a new row.

|   | Expected Learning Outcome                                                                                           | Assessment Strategies                                                                 |
|---|---------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| 1 | Apply basic statistical methods to analyze health related research.                                                 | Spreadsheet lab exercises; Group analysis project                                     |
| 2 | Apply descriptive and inferential statistics.                                                                       | Statistical software lab exercises; Group analysis project                            |
| 3 | Interpret the results of significance and confidence interval tests.                                                | Statistical software lab exercises                                                    |
| 4 | Identify and apply basic concepts of quantitative analysis and interpreting results.                                | Quizzes and examinations                                                              |
| 5 | Demonstrate the ability to match appropriate analysis techniques with data types.                                   | Quizzes and examinations; Statistical software lab exercises; Group analysis project  |
| 6 | Produce a series of health data tables, charts, and analyses using spreadsheet, database, and statistical software. | Spreadsheet lab exercises; Statistical software lab exercises; Group analysis project |
| 7 | Demonstrate the application of statistical software in conducting descriptive and inferential analyses.             | Statistical software lab exercises; Group analysis project                            |

**Is this course required in a degree program (major, minor, graduate degree, certificate?)**

Yes

**Has a corresponding Program Change been submitted to Workflow?**

No

**Identify the program(s) in which this course is required:**

**Programs:**

BS in Health Science

BS in Health Science (Health Care Administration)

BS in Health Science (Occupational Health and Safety)

**Does the proposed change or addition cause a significant increase in the use of College or University resources (lab room, computer)?**

No

**Will there be any departments affected by this proposed course?**

No

**I/we as the author(s) of this course proposal agree to provide a new or updated accessibility checklist to the Dean's office prior to the semester when this course is taught utilizing the changes proposed here.**

I/we agree

## University Learning Goals

**Undergraduate Learning Goals:**

Competence in the disciplines  
Intellectual and practical skills  
Integrative learning

**Is this course required as part of a teaching credential program, a single subject, or multiple subject waiver program (e.g., Liberal Studies, Biology) or other school personnel preparation program (e.g., School of Nursing)?**

No

## GE Course and GE Goal(s)

**Is this a General Education (GE) course or is it being considered for GE?**

No

**Please attach any additional files not requested above:**

Syll 147 Revised Fa24.pdf

**Reviewer Comments:**

**Andrea Becker (andrea.becker) (Wed, 18 Sep 2024 03:16:56 GMT):** Rollback: "Committee approved the form with pending changes. Please refer to the discussion during meeting. Committee members from the department will provide the detailed changes to the chair/author. Once re-submitted, the chair may approve the proposal immediately."

**Andrea Becker (andrea.becker) (Fri, 20 Sep 2024 16:23:02 GMT):** Rollback: Committee approved the form with pending changes. Please refer to the discussion during meeting. Committee members from the department will provide the detailed changes to the chair/author. Once re-submitted, the chair may approve the proposal immediately.

Key: 2762