CAT ID 004380-02   02/22/01 04

Cover Sheet
Curriculum Action Request (CAR) (Form 4-93) - Maui Community College

ORIGINAL

Curriculum Number 2000 200

This is an experiment and draft of a new cover sheet to be attached in front of all CAR forms to help with routing and timeliness of consideration. For now the official signature section remains at the end of CAR form as usual.

OLD PSY 210
NEW

COURSE ALPHA/NUM __PSY 213__   OR PROPOSAL TYPE_____

✓ Author: Lynn Yankowski   Ext: 233   Date: 10/2/2000

____ Consulted: no

✓ Consulted: yes, with Hilo Faculty, BK, Karen Nimrode

✓ Signed by Unit Coordinator/Other Discipline/Program Coordinator   Date: 11/14/2000

✓ Sent to Curriculum Committee   Date: 11/1/2000

✓ Passed by Curriculum Committee, Signed by Chair   Date: 12/6/2000

____ Approved by Academic Senate, Signed by Chair   Date:

____ Forwarded to Dean of Instruction by Curriculum Chair   Date: DEAN'S OFFICE

____ Received by Dean of Instruction's Office   Date Stamp: JAN 3 1 2001

✓ Signed by Dean of Instruction   Date:

✓ Forwarded to Provost,   Maui Community College Date:

✓ Received by Provost's Office   Date Stamp:

✓ Signed by Provost   Date: 2/13/01

____ Returned to Curriculum Chair for Distribution   Date:

____ Distribution/Information

    ✓ Aldrich input - CAT ID # 004380-02   Date: 2/22/01

    ____ Catalog/Addendum   Date:

    ____ Letter and copy sent for Articulation, if appropriate   Date:

    ____ Letter and copy sent to Chancellor's Office, if appropriate   Date:

    ____ Author notified   Date: 6/01

    ____ Counselors notified   Date:

    ____ Other:_____   Date:

____ Original filed in Master Curriculum File in Dean's Office   Date:

Notes:

bkg 11/12/2000

Curriculum Action Request (CAR) (Form 4-93) - Maui Community College

Date Submitted to Curriculum Committee: ___11/1/2000_____

1. **a. General type of action:** __program _x_course   Alpha/No. of present course PSY 210

   b. Specific type of action: (check appropriate action below)

Addition	Deletion:	Modification in:
__regular	__course	x__credits
__experimental	__from program	__title
	___ _____	x__number and/or alpha
	_____	x__prerequisites
		x__description
		____program
		x__ delete cross-list to SSCI 225

2. **Reason for this curriculum action: To** provide preparation for those students wishing to transfer to the UH Hilo psychology program. To conform to UH Hilo program; strengthen the connection between Statistics and PSY 214: Research Methods

3. **Existing course:**___PSY 210_____   Statistical Techniques_____3_____
                                    Alpha/Number   Title   credits

4. a. Proposed/modified course:_PSY 213_____   Statistical Techniques_____4_____
                                    Alpha/Number   Title (60 positions max. spaces count)   credits

   b._Stat Techniques_
   Abbreviated title (16 positions max.)

   c. New Course Description and/or page number in catalog of present course description, if unchanged
      or modified:

      Teaches students to interpret statistics successfully by providing sound decision-making skills in analyzing various research and applied statistical problems found throughout the psychological discipline. Examines descriptive statistics, z-test, t-tests, F tests, chi square tests, and correlational and regression analyses. Explains ANOVA. Denotes uses and abuses of statistics

5.   a. Prerequisites: PSY 100 with a C or better; MATH 100/115 with a C or better; or consent.

      b. Corequisities:

      c. Recommended preparation:

6.   a. Semester Offered: __fall __spring __fall/spring _x__as needed

      b. Proposed semester/year of first offering:___Fall_ semester __2001__year

c. other scheduling considerations? __x__no ___yes, explain:

7.　Student contact hours per week:lecture_3_hrs lab_3_hrs lecture/lab___hrs other___hrs,explain:

8.　Revise current MCC General Catalog pages:_____114, 115_____ Other: __

9.　Course grading: __letter grade only __credit/no credit __x_either _____audit

10.　Special fees required: __x__no __ yes, explain:

11.　Will this request require special resources (personnel, supplies, etc.)? _____no _x_yes, explain:
Computer class room – especially for lab

12.　a. Maximum enrollment: _22_ Rationale, if applicable: Computer and Math intensive class
Number of computers in room is 24

b. Is this course restricted to particular room type? __no __x__yes, explain type of room required:
Computer classroom

13.　__ Course fulfill requirement for _____program(s)

_x_ Course is elective for_ A.S., A.A.S_____ program(s)

_x_ Course is _Social Science_ elective for AA degree program.

14.　Course __increase __decreases _x_ makes no change
in # of credit required for the program(s) affected by this action

15.　Is this course cross-listed? ____ no _____yes, identify course:
NOTE: Delete cross-listing with SSCI 225

16.　Is this course taught at another UH campus? ___no, specify why this
course is offered at MCC:_____:

_x_yes, specify campus, course, Alpha and Number: UH Hilo PSY 213; UH Manoa PSY 210

17:　a. Course is articulated at (check those that apply):
__UHCC __UH Manoa __UH Hilo __ UH WO __Other/PCC

b. Course is appropriate for articulation at (check those that apply):
__UHCC __UH Manoa __UH Hilo __ UH WO __Other/PCC

c. Course is not appropriate for articulation at(check):
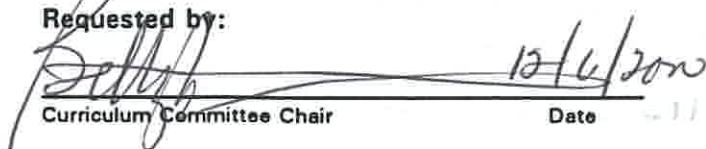
__UHCC __UH Manoa __UH Hilo __ UH WO __Other/PCC

d. Course articulation information is attached __ no X yes

Proposed by:

Lyn McLL _____ 10/2/00
Originator/Program Coordinator   Date

Approved by:

Catrina Bentley 11/14/2000
Divison Chair   Date

Requested by:

Beth _____ 12/6/2000
Curriculum Committee Chair   Date

Approved by:

_____ 2/13/01
Academic Senate Chair   Date

_____ 2/13/01
Dean of Instruction   Date

_____ 2/13/01
Provost   Date

10/98 supersedes all others

A telephone number, e-mail address, or mailing address at which we can contact the proposer, Division Chair or curriculum rep during the summer: Lynn.Yankowski@mauicc.hawaii.edu

curformrevised 1/15/99 bkg

MAUI COMMUNITY COLLEGE
COURSE OUTLINE

1.   **COURSE TITLE:**   PSY 213
                                    Statistical Techniques

     NUMBER OF CREDITS: Four (4)

     ABBREVIATED COURSE TITLE: Statistics

     DATE OF OUTLINE: August 1, 2000

2.   **COURSE DESCRIPTION:**   Teaches students to interpret statistics
                                    successfully by providing sound decision-
                                    making skills in analyzing various research
                                    and applied statistical problems found
                                    throughout the psychological discipline.
                                    Examines descriptive statistics, z-test, t-
                                    tests, F tests, chi square tests, and
                                    correlational and regression analyses.
                                    Explains ANOVA. Denotes uses and abuses
                                    of statistics

3.   **CONTACT HOURS PER WEEK:**   Lecture/Discussion:Three (3); Lab:Three (3)

4.   **PREREQUISITES:**   PSY 100 with a C or better;
                                    MATH 100/115 with a C or better; or
                                    consent.

     COREQUISITES: None

     **RECOMMENDED
     PREPARATION:**   None

APPROVED BY _____   DATE _____

Note: Formerly PSY 210

5. GENERAL COURSE OBJECTIVES

To develop a working understanding of general terminology in a basic psychological statistics class, decision-making skills necessary to interpret psychological data, and application of this knowledge to other types of psychological research.

6. SPECIFIC COURSE COMPETENCIES:

Upon completion of this course, including the lab portion, the student will be able to:

a. Differentiate between sample statistics from population parameters.
b. Describe at least three types of sample data.
c. List at least five ways of misusing and abusing the application of statistics.
d. Compute measures of central tendency and measures of variability for simple data sets.
e. Compare and contrast the different types of descriptive statistics and be able to appropriately apply each to a given situation.
f. Examine graphs and appraise their interpretative meaning.
g. Explain basic probability theory. Assess its importance in interpreting inferential statistics.
h. Explain the importance of the Gaussian (normal) distribution.
i. Calculate and illustrate the areas under a normal curve.
j. Compare and contrast standard deviation and standard error of the mean.
k. Identify and differentiate the following related terms: level of confidence, interval estimate, confidence interval.
l. Explain hypothesis-testing in various types of research studies.
m. Define the steps in hypothesis testing.
n. Apply statistical tests (z, t, and F tests) to different statistical data sets within hypothesis testing.
o. Explain ANOVA.
p. Identify the difference between parametric and nonparametric statistics.
q. Explain Chi Square testing and when it is appropriately used.
r. Compare and contrast correlational and regression analysis and apply each to different data sets.
s. Use a statistical computer program to calculate statistical tests, draw a pictures of data, and determine significance.
t. Learn how to develop a "good" questionnaire.

7. RECOMMENDED COURSE/LAB CONTENT

1 Week	Introduction and Questionnaire Development
1 Week	Graph Interpretation
2 Weeks	Measures of Central Tendency Measures of Variability

2 Weeks	Transforming Data / Probability: An Introduction Probability Distributions
1 Week	Sampling and Estimation
3 Weeks	Hypothesis Testing
1 Week	Chi Square
2 Weeks	Correlation and Regression

8. RECOMMENDED COURSE/LAB REQUIREMENTS

Specific course/lab requirements are at the discretion of the instructor at the time the course is being offered. Suggested requirements might include, but are not limited to:

Examinations, In-class exercises, Lab exercises, Homework, Quizzes, Projects/research, Attendance/Class participation, Portfolio, Oral Presentation

9. TEXT AND MATERIALS:

An appropriate text(s) and materials will be chosen at the time the course is to be offered from those currently available in the field. Examples include:

Texts: <u>Statistics: A First Course</u> by D. Sanders
        <u>Ready, Set, Go!</u> by T. Pavkov, K.Pierce
        <u>Statistics with a Sense of Humor</u> by F. Pyrczak

Materials:

Other:
        <u>Study Guide Packet</u> by instructor; appropriate films, videos, or internet sites; Television programs; Guest speakers; Other instructional aids

10. EVALUATION AND GRADING

Written or oral examinations	20-80%
Class and Lab exercises	10-30%
Homework assignments	10-30%
Quizzes	0-20%
Projects or research (written reports and/or class presentations)	0-30%
Attendance and/or class participation	10-30%

| Development of a Portfolio | 0-20% |
| Service Learning | 0-20% |

11. METHODS OF INSTRUCTION

Instructional methods vary considerably with instructor's teaching style and students learning style. Thus, specific instructional methods will be at the discretion of the instructor teaching the course. Suggested techniques might include, but are not limited to:

Lecture, problem solving and class exercises or readings
Class discussions or guest lecturers
Audio, visual presentations
Internet usage
Student class presentations
Group or individual projects
Lab demonstrations and exercises
Other contemporary learning techniques (e.g. service learning)

Originating Campus: MCC _____   Date Submitted: 10/30/2000

Course Alpha & Number: PSY 213 _____   Semester Credits: __4__

Date of Outline: ☒ fall   ☐ spring 19=2000

(Representative outline, no multiple syllabi, please)

1. Articulation committee to review this course:
    A. Standing committees
        ☐ Written communication
        ☐ Mathematical & Logical Thinking
        ☐ World Civilizations
        ☐ Languages
        ☐ Arts & Humanities
        ☐ Natural Science
        ☒ Social Science
    B. Special Discipline/Program Committee
        ☐ _____ (specify)

Campus with which this course would be articulated (special articulation only):
UH Manoa ☐   UH Hilo ☐   Community Colleges ☐   UH West Oahu ☐

2. In the opinion of the originating campus, this course is equivalent to the following and/or meets the criteria for the indicated core categories:

Receiving Campus	Equivalent Course (Alpha & Number)	Core Category
UH Hilo	PSY 213	SS 11.13 Psyh
UH Manoa	PSY 210	SS
UH West Oahu	—	SS
Hawaii CC	—	SS
Honolulu CC	—	SS
Kapiolani CC	—	SS
Kauai CC	—	SS
Leeward CC	—	SS
Maui CC	(PSY 213)	S S
Windward CC	—	SS

3. Notes: