

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

This is a routing procedure and cover sheet. The official signature section is on the CAR form.

COURSE ALPHA/NUMBER PSY 213 PROPOSAL TYPE Modification

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Consulted with: BK Griesemer Kate Acks Dorothy Pyle

Written proposal reviewed by DCR. DCR signed here: [Signature] Date: 4/10/02

Articulation Coordinator (General Education Core Articulation only) was consulted Date: 4/10/02

Written proposal discussed in unit 4/15/02 Date: 4/15/02

Original CAR signed by Unit Chair or Other Appropriate Person Date: 4/22/02

Original and three copies of complete proposal forwarded to Curriculum Committee Date: 4/22/02

Proposal passed by Curriculum Committee, original CAR signed by Chair, Senate notified Date: 4/26/01

Proposal approved by Academic Senate, original CAR signed by Chair

Original of proposal forwarded to Dean of Instruction by Curriculum Chair

Original of proposal received by Dean of Instruction's Office

Proposal reviewed and original of CAR signed by Dean of Instruction

Original of proposal received by Provost's Office

Proposal reviewed and original of CAR and Course Outline signed by Provost

Signed original of proposal returned to Curriculum Chair



Distribution/Information Posting/Follow-up:

Copy of signed original sent to author (Author keeps copy for his/her files) Date:
Author sends disc (WORD document) that matches signed original to Curriculum Chair

Disc (WORD document) that matches signed original received by Curriculum Chair Date:

Aldrich input completed, if appropriate, by Dean of Instruction's Office Date:

Catalog/Addendum input completed, if appropriate, by Assistant Dean of Instruction's Office Date:

Copy of original & disc forwarded to Articulation Coordinator for Articulation, if appropriate Date:

Letter and copy of signed original sent to Chancellor's Office for approval, if appropriate Date:

Effective date of proposal posted on Curriculum Committee Website Date:

Databases (Curriculum Review Dates [Excel] and Yearly Curriculum Actions [Access] updated Date:

Other: _____ Date:

Signed original and disc filed in Master Curriculum File in Dean's Office Date:

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

Date Submitted to Curriculum Committee: 4-1-02

1. a. General type of action: program X course: PSY 213

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

Addition:	Deletion:	Modification in:
<u> </u> regular	<u> </u> course	<u> </u> credits
<u> </u> experimental	<u> </u> from program	<u> </u> title
<u> </u> _____	(specify):	<u> </u> number and/or alpha
		<u> X </u> prerequisites
		<u> </u> description
		<u> </u> program
		<u> </u> _____

2. Reason for this curriculum action:

This action is to slightly modify the prerequisites of the psychological statistics course. Currently, the prerequisites are PSY 100 Survey of Psychology with a "C" or better AND either Math 100/Math 115 with a "C" or better or consent. This action will remove the Math 100 and make it: PSY 100 with a "C" or better AND Math 115 with a "C" or better, or consent. The Math 100 will be recommended preparation. Until Spring 2003, I will accept all who took Math 100 or Math 115.

3. Existing course: PSY 213 Statistical Techniques 4
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 AND Math 115 with a "C" or better or consent

b. Corequisites:

c. Recommended preparation: Math 100

6. a. Semester Offered: fall spring fall/spring X as needed

b. Proposed semester/year of first offering: Spring semester 2003 year

c. other scheduling considerations? X no ves. explain:

7. Student contact hours per week: lecture_3_hrs 3 lab__hrs lecture/lab__hrs
other__hrs, explain:
8. Revise current MCC General Catalog pages: _____? _____ Other: _____
9. Course grading: __letter grade only __credit/no credit _either __audit
10. Special fees required: _no __yes, explain:
11. Will this request require special resources (personnel, supplies, etc.)?
__no _yes, explain: Computer classroom especially for lab
12. a. Maximum enrollment: 22 Rationale, if applicable:
b. Is this course restricted to particular room type? __no _yes,
explain type of room required: Computer classroom especially for lab
13. __ Course fulfill requirement for _____ program(s)
_ Course is elective for A.S., A.A.S _____ program(s)
_ Course is Social Science elective for A.A. _____ program(s)
14. Course __increase __decreases _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:
16. Is this course taught at another UH campus? __no, specify why this
course is offered at MCC:

_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 _yes

Proposed by:

[Signature] 4/17/02
Author/Program Coordinator Date

Approved by:

[Signature] 07/05/02
Academic Senate Chair Date

Requested by:

[Signature] 4-22-02
Unit Chair Date

[Signature] 5/29/02
Dean of Instruction Date

Recommended by:

[Signature] 4/20/02
Curriculum Chair Date

[Signature] 4/6/02
Provost Date

A telephone number, e-mail address, or mailing address at which we can contact the author, Program Chair, Unit Chair or Curriculum Rep during the summer:

revised 10/3/2000 bkg

Maui Community College
Course Outline

1. Course Title: PSY 213
Number of credits: 4
Abbreviated Course Title: Stat Techniques
Date of Outline: Spring 2002
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. Credits/ Contact Hours: Lecture/Discussion: Three (3); Lab: Three (3)
4. Prerequisites: PSY 100 with a "C" or better
Math 115 with a "C" or better;
Or consent
Corequisites
Recommended Preparation: Math 100

Approved by Dean's Signature  (Provost's Signature) Date 5/29/02

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

Materials:

Other:

Study Guide Packet 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 examples
- Other contemporary learning techniques (e.g. service learning)

COURSE ARTICULATION FORM

ORIGINATING CAMPUS: Maui Community College DATE SUBMITTED: 4/15/02

COURSE ALPHA & NUMBER: PSY 213 SEMESTER CREDITS: 4

COURSE TITLE: Statistical Techniques

DATE OF OUTLINE: (Fall or Spring) Spring Year 2002

(** 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 discipline/program

Campus with which this course should 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 and Number)	Core Category
UH Hilo	<u>PSY 213</u>	<u>SS</u>
UH Manoa	<u>PSY 210</u>	<u>SS</u>
UH West Oahu	_____	_____
Hawaii CC	_____	_____
Honolulu CC	_____	_____
Kapiolani CC	<u>PSY 210</u>	<u>SS</u>
Kauai CC	_____	_____
Leeward CC	_____	_____
Maui CC	_____	_____
Windward CC	_____	_____

3. Notes