



APPROVAL FORM

Rev: 5/82

Proposal Title: Statistics I

Sponsor(s): Fran Masat/William Timon Dept.: Math/Computer Science

Check one: Course Specialization Concentration Achievement Certificate

TITLE CHANGE Minor Change Major Program
(please name: deletion or credit/title/catalog change)

Certification Program Undergraduate Graduate 3 Credit Hours

Step 1 (Department)

Step 2 (Receipt)

Step 3 (Division CC)

Approved 12/16/83
date

SCC# 83-84-40

Reviewed Jan 23 84
date

Not Approved

Proposal Received 1/4/84
date

Approved

David J. Brown
Dept. CC Chairperson

Not Approved

Reviewed 12/20/83
date

Comments:

Fran Masat
Chairperson, Dept.

Shirley C. Odey
Chairperson, SCC

John W. [Signature]
Chairperson, Div. Curr. Comm.

Step 4 (Academic Dean)

Comments:

Reviewed 1/27/84
date

[Signature]
Signature, Dean of Division

Step 5 (SCC)

Open Hearing Date: 3/13/84 Approved by Senate Curriculum Committee 3/14/84 (date)

Returned to sponsor(s) for the following reasons:

*consultations
new syllabus attached Done*

Step 6 (Faculty Senate)

resented to Faculty Senate (date): 4/19/84 Approved Not Approved

Notification to Vice-President Academic Affairs (date): 4/16/84

[Signature]
Signature: SCC Chairperson

UNIVERSITY OF ALABAMA, SYSTEM

Department of Mathematics and Computer Science

Sponsors: William Timms and Frank Miller

1. Existing title, Prerequisites, and Catalog Descriptions:

1703.260

Statistics for Management I

Prerequisites: 1703.201, Mathematics for Management

Catalog Description: This course includes the applications of frequency distributions, measures of location and variations, binomial, poisson, normal and exponential distributions, sampling, estimation and hypothesis testing.

2. Proposed title, Prerequisites and Catalog Descriptions:

1703.260

Statistics I

Prerequisites: 1703.122, Trigonometry

(No calculus is required, but some knowledge of exponential and logarithmic functions is essential).

Catalog Description: This course includes the applications of frequency distributions, measures of location and variations, binomial, poisson, normal and exponential distributions, sampling, estimation and hypothesis testing.

3. Rationale:

a) Few areas of mathematics have as direct an impact on the personal and professional lives of students as statistics and the probabilistic techniques used by statisticians. We feel this course will provide an opportunity for well-prepared students to learn some of the statistical techniques and techniques in applying statistics.

b) There is a need for a course covering the statistical and probabilistic techniques mentioned above. The course will be a prerequisite for the course in Statistics II. The course will be a prerequisite for the course in Statistics III.

The course is designed to be suitable for students who are interested in the study of the history of the United States, and who are also interested in the application of the principles of the exponential and logarithmic functions.

f) We hope and expect that students from many disciplines will be attracted to this course, including Professional Studies, Administrative Studies, Technology, and such Liberal Arts and Sciences departments as History, Geography, Biology, Communications and Sociology.

g) Credit and hour values are not being changed.

h) No course numbers that may refer curriculum or staffing changes will be necessary. Mathematics for Management is already being replaced by Mathematical Economics. This course will also be proposed for general education.

i) The syllabus has been changed only to reflect the somewhat less specialized student population for which it is intended. New syllabus attached.

ii. Implementation:

Fall 1984, 5 to 6 sections

iii. Institutions have been visited from:

Professional Studies
Administrative Studies
Technology
History
Geography
Biology
Communications
Sociology
Psychology