BMG 54 Course Outline as of Fall 1981

CATALOG INFORMATION

Dept and Nbr: BMG 54   Title: QUANT SKILLS - MATH
Full Title: Quantitative Skills/Math
Last Reviewed: 4/19/2010

Units		Course Hours per Week		Nbr of Weeks	Course Hours Total	
Maximum	3.00	Lecture Scheduled	3.00	17.5	Lecture Scheduled	52.50
Minimum	3.00	Lab Scheduled	0	6	Lab Scheduled	0
		Contact DHR	0		Contact DHR	0
		Contact Total	3.00		Contact Total	52.50
		Non-contact DHR	0		Non-contact DHR	0

Total Out of Class Hours: 105.00   Total Student Learning Hours: 157.50

Title 5 Category: AA Degree Applicable
Grading: Grade Only
Repeatability: 00 - Two Repeats if Grade was D, F, NC, or NP
Also Listed As:
Formerly:

Catalog Description:
Quantitative methods and their uses for solving organizational problems. Development of skills in mathematics, quantitative analytical tools, statistics, and graphical presentation of data in a managerial context.

Prerequisites/Corequisites:

Recommended Preparation:
Successful completion of standard 1st year HS algebra course.

Limits on Enrollment:

Schedule of Classes Information:
Description: Enjoy learning how to translate math concepts into everyday working tools. A practical approach to numbers & how they work in personal & professional decision making. (Grade Only)
Prerequisites/Corequisites:
Recommended: Successful completion of standard 1st year HS algebra course.
Limits on Enrollment:

Transfer Credit: CSU;
Repeatability: Two Repeats if Grade was D, F, NC, or NP

ARTICULATION, MAJOR, and CERTIFICATION INFORMATION:

AS Degree:	**Area**		Effective:	Inactive:
	MC	Math Competency	Fall 1981	Fall 2009
CSU GE:	**Transfer Area**		Effective:	Inactive:
IGETC:	**Transfer Area**		Effective:	Inactive:
CSU Transfer:	Transferable	Effective: Fall 1981	Inactive:	Fall 2016
UC Transfer:		Effective:	Inactive:	

CID:

Certificate/Major Applicable:
Certificate Applicable Course

COURSE CONTENT

Outcomes and Objectives:
Students will learn:
1. techniques in fundamental math operations;
2. manipulation and solution of equations;
3. quantitative operations in purchasing, pricing, depreciation, inventory management;
4. elementary analysis of financial statements;
5. to calculate and compare loans and investments;
6. to create and present statistical data;
7. graphing techniques.

Topics and Scope:

A. Basic mathematics operations
   1. numerical operations
   2. solving equations
B. Mathematics for business
   1. purchasing
   2. pricing
   3. inventory and overhead
   4. depreciation
   5. financial statement analysis and distribution of profits
C. Financial mathematics
   1. simple interest and simple discount
   2. compound interest
   3. amortizing a debt
   4. comparing investments
D. Mathematics for presentation and analysis of information
   1. graphs

2. elementary statistics

Assignment:

Problem solving exercises in all of the content areas.

Methods of Evaluation/Basis of Grade:

Writing: Assessment tools that demonstrate writing skills and/or require students to select, organize and explain ideas in writing.

None, This is a degree applicable course but assessment tools based on writing are not included because problem solving assessments are more appropriate for this course.

Writing 0 - 0%

Problem Solving: Assessment tools, other than exams, that demonstrate competence in computational or non-computational problem solving skills.

Homework problems, Exams

Problem solving 80 - 90%

Skill Demonstrations: All skill-based and physical demonstrations used for assessment purposes including skill performance exams.

None

Skill Demonstrations 0 - 0%

Exams: All forms of formal testing, other than skill performance exams.

None

Exams 0 - 0%

Other: Includes any assessment tools that do not logically fit into the above categories.

ATTENDANCE AND PARTICIPATION.

Other Category 10 - 20%

Representative Textbooks and Materials:
OPERATIONAL MATHEMATICS FOR BUSINESS, Pierce/Tebeaux.