

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.