GAVILAN ☆ COLLEGE

5055 Santa Teresa Blvd
Gilroy, CA 95020

Course Outline

COURSE: MATH 404G   DIVISION: 10   ALSO LISTED AS:

TERM EFFECTIVE: Fall 2013   **Inactive Course**

SHORT TITLE: SLF-PACED BASIC MTH

LONG TITLE: Self-Paced Basic Math

Units	Number of Weeks	Type	Contact Hours/Week	Total Contact Hours
1	18	Lecture:	1	18
		Lab:	.3	5.4
		Other:	0	0
		Total:	1.3	23.4

COURSE DESCRIPTION:

This course is a remedial, modular, self-paced course. Applications and critical thinking skills are developed in each module. Module A covers operations with whole numbers, equivalent fractions, multiplying and dividing fractions. Module B covers adding and subtracting fractions, and operations with decimals. Module C covers ratio and proportion, percent, and units of measurement. Module D reviews fractions, decimals, percentages, and covers operations with integers, and working with variables. Module E covers real numbers, fractions, exponents, scientific notation, and order of operations. Module F covers expressions, polynomials, and equations. Module G covers geometric figures, perimeter and area, surface area and volume, triangles and parallelograms, and similar figures. This course has the option of a letter grade or pass/no pass. This course involves both lecture and hands-on computer assisted software. All sections are open for late registration.

PREREQUISITES:

COREQUISITES:

CREDIT STATUS: C - Credit - Degree Non Applicable

GRADING MODES
        L - Standard Letter Grade
        P - Pass/No Pass

REPEATABILITY: N - Course may not be repeated

SCHEDULE TYPES:
        02 - Lecture and/or discussion
        03 - Lecture/Laboratory

04 - Laboratory/Studio/Activity

STUDENT LEARNING OUTCOMES:
1. Be able to identify geometric figures: point, line, segment, ray,
polygons.
ILO: 2,3,6,7,
Measure: Homework, Computer Quiz, and Exam.
2. Be able to classify angles and relationships between angles
ILO: 1,2,7
Measure: Homework, Computer Quiz, and Exam.
3. Demonstrate the knowledge of the definition of the Perimeter and
the Area and be able to evaluate perimeters and areas of different
geometric shapes: polygons, circles, and composite figures.
ILO: 2,1,7
Measure: Homework, Computer Quiz, and Exam.
4. Use and apply the knowledge of triangles to determine the angle
sum and congruence, and to identify similar triangles..
ILO: 2,3,,7
Measure: .Homework, Computer Quiz, and Exam.
5. Compare and contrast US/Liberian system of Measurement and Metric
System. Be able to convert between US and Metric System.
ILO: 1,2,6,7
Measure: Homework, Computer Quiz, and Exam.

CONTENT, STUDENT PERFORMANCE OBJECTIVES, OUT-OF-CLASS ASSIGNMENTS
Inactive Course: 02/25/2013
10 Hours
Geometric Figures: point, line, segment, ray, polygons; measuring and
classifying angles; relationships between angles. Perimeter and Area:
polygons, circles, and composite figures.
Homework problems from text and instructor, individual discussions with
instructor.
10 Hours
Surface Area and Volume: solids, rectangular prism, cylinder, sphere,
composite figures. Triangles: angle sum, congruence, isosceles and
equilateral, right triangles, Pythagorean theorem..
Homework problems from text and instructor, individual discussions with
instructor.
5 Hours
Parallel lines and transversals; properties of parallelograms; similar
polygons and triangles.
Homework problems from text and instructor, individual discussions with
instructor.
5 Hours
US/Liberian System of Measurement; Metric System; converting between US
and Metric System; Fahrenheit and Celsius scales.
2 Hours
Paper Exam (cumulative)

Comprehensive over the entire course with evaluation of each of the
areas previously encountered.
See Content.

METHODS OF INSTRUCTION:
Self-Paced Mediated Learning: Computer Assisted Instruction with individual
student-instructor interaction, group work, discussions as appropriate.

METHODS OF EVALUATION:
The types of writing assignments required:
None
The problem-solving assignments required:
Homework problems
Quizzes
Exams
The types of skill demonstrations required:
None
The types of objective examinations used in the course:
Matching items
Completion
Other category:
None
The basis for assigning students grades in the course:
Writing assignments: 0% -   0%
Problem-solving demonstrations: 70% - 90%
Skill demonstrations: 0% -   0%
Objective examinations: 10% - 30%
Other methods of evaluation: 0% -   0%

REPRESENTATIVE TEXTBOOKS:
"Interactive Mathematics - Prealgebra", Plato Learning - Academic
Systems, 2004, or other appropriate college level text.
Reading level of text: 10th grade.

ARTICULATION and CERTIFICATE INFORMATION
      Associate Degree:
      CSU GE:
      IGETC:
      CSU TRANSFER:
            Not Transferable
      UC TRANSFER:
            Not Transferable

SUPPLEMENTAL DATA:
Basic Skills: B
Classification: B
Noncredit Category: Y

Cooperative Education:
Program Status: 2 Stand-alone
Special Class Status: N
CAN:
CAN Sequence:
CSU Crosswalk Course Department:
CSU Crosswalk Course Number:
Prior to College Level: C
Non Credit Enhanced Funding: N
Funding Agency Code: Y
In-Service: N
Occupational Course: E
Maximum Hours:
Minimum Hours:
Course Control Number: CCC000213287
Sports/Physical Education Course: N
Taxonomy of Program: 170100