

# Gibbs -- MTH100 Basic College Math -- Winter 2006

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| <u>WEEK</u> | <u>TOPIC</u>   | <u>CHAPTERS</u>      |
|-------------|--|----------------------|
| 1           | <b>Whole Numbers</b> (Definition, Operations)              | 1                    |
| 2           | <b>Fractions / Mixed Numbers</b> (Multiply / Divide)       | 2                    |
| 3           | <b>Fractions / Mixed Numbers</b> (Add / Subtract with LCD) | 2                    |
| 4           | <b>Decimals</b> (Basic Operations)                         | 3                    |
| 5           | <b>Decimals</b> (Advanced Operations)                      | 3                    |
| 6           | <b>Midterm Review &amp; Exam</b>                           | <b>Chapters 1- 3</b> |
| 7           | <b>Percents</b> (Definition, Applications)                 | 5                    |
| 8           | <b>Real Numbers</b> (Review / Exercises)                   | 9                    |
| 9           | <b>Business / Consumer Applications</b>                    | <b>All Chapters</b>  |
| 10          | <b>Final Exam Review</b>                                   | <b>All Chapters</b>  |
| 11          | <b>Final Exam / Accuplacer</b>                             | <b>All Chapters</b>  |

**Basic College Mathematics**, Ignacio Bello, McGraw Hill, Second Edition, 2006.

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**Objectives:** This course introduces the student to the basic concepts and practices of mathematics. Upon completion of this course students should be able to:

Confront & overcome math anxiety

Solve problems of multiple steps and operations

Analyze and solve basic business / consumer problems

Apply basic skills to analyze and solve complex problems

Describe mathematical concepts dealing with contemporary issues.

**Grading:** Class attendance is mandatory; professional behavior is expected. Class notes will be checked and graded each lecture before the end of class; 3% each – total 30%. There will be homework each lecture to be handed-in the next week; 3% each – total 30%. The second class of each week is a computer lab. These lab assignments must be successfully completed to pass the course. An Accuplacer assessment is required before and after the course; a higher second score will increase the grade by a 'plus' level (e.g. C → C+). There will be a midterm exam (15%) and a comprehensive final exam (25%) the last week of the course.

Grades of A=100 to 93, A-=92 to 90, B+=89 to 86, B=85 to 83, B-=82 to 80, C+=79 to 76, C=75 to 73, C-=72 to 70, D+=69 to 66, D=65 to 60, and F=59 to 0 will be awarded.