

**Mendocino College**  
**Syllabus: Self-Paced, Individualized Mathematics**  
**Round Valley High School, Room 11**  
**Wednesdays: January 27--May 26, 2010 5:30 – 7:20 P. M.**  
**Spring 2010**

**Course:**

<b>Math 10.1 Whole Numbers</b>	1 Unit
<b>Math 10.2 Fractions</b>	1 Unit
<b>Math 10.3 Decimals</b>	1 Unit
<b>Math 10.4 Percentages</b>	1 Unit

**Text:** **Quick Arithmetic**

**Supplementary Texts:** **Personalized Computational Skills Program**

<b>Math 10.1 Module A</b>	<b>Whole Numbers</b>
<b>Math 10.2 Module B</b>	<b>Fractions</b>
<b>Math 10.3 Module C</b>	<b>Decimals, Proportions, Percents</b>
<b>Math 10.4 Module C</b>	<b>Decimals, Proportions, Percents</b>

**Instruction and Practice:** Appropriate for self-controlled, self-motivated learners whose conduct does not infringe on the rights of others  
Learner-paced  
Individual guidance and tutorial explanation  
Cooperative learning and problem solving

**Course Description:** **Math 10.1** Computation using whole numbers. Addition, subtraction, multiplication, and division of whole numbers. Multiplication tables through twelve. Solving simple word problems involving whole numbers.

**Math 10.2** Basic skills of calculation using fractions. Emphasis on development of competency in addition, subtraction, multiplication, and division of fractions.

**Math 10.3** Basic skills of calculation using decimals. Emphasis on development of competency in addition, subtraction, multiplication, and division of decimals. Applications involving decimals.

**Math 10.4** Basic skills of calculation using ratio, proportion, and percent. Solving applications.

**Learning Outcomes:** **Math 10.1**  
Understand place-value of whole numbers.  
Perform the four basic math operations with whole numbers.  
Understand and be able to calculate exponents.

**Math 10.2**  
Understand the meaning of numerator and denominator in a fraction.  
Perform the addition and subtraction of fractions with unlike denominators.  
Perform multiplication and division of fractions requiring reducing.

**Math 10.3**

Understand decimal place value.  
 Perform the four basic math operations with decimals.  
 Be able to order and round decimals.  
 Perform conversions between fractions and decimals.

**Math 10.4**

Perform conversions between ratios and fractions/decimals.  
 Understand the difference between a ratio and a proportion.  
 Solve simple word problems involving ratios and proportions.  
 Be able to convert between percents and fractions/decimals.  
 Solve simple word problems involving percents.

- Placement:** Placement in the appropriate course is determined by in-class diagnostic tests or previous completion of one of the courses.
- Attendance:** Students must attend in the first two weeks of the semester or be dropped by the instructor. Students must communicate with the instructor regarding absences or be dropped by the instructor.
- Course Credit:** Each student's performance is evaluated on a **Pass/No Pass** basis only. The Pass grade represents a letter grade of A. The No Pass grade represents a D or F letter grade.
- Requirement for Credit:** Courses are **self-paced**. Credit is earned when the course is completed during the semester with a letter grade of A.

## Mendocino-Lake Community College District

### CODE OF STUDENT CONDUCT POLICY

Students' conduct shall not infringe on the rights of others, and shall conform to the college student conduct guidelines as outlined in Administrative Regulations 533.1 and 533.2.

The Director of Personnel Services will handle the discrimination complaints that deal with titles VI and VII of the Civil Rights Act, Title IX of the Education amendment of 1972, and/or Section 504 of the Rehabilitation Act of 1973.

The Vice President of Academic Affairs, and the Dean of Student services shall address student grievances involving the interpretation, application, or alleged violation of College rules, regulations, policies, and procedures in accordance with the College's Student Grievance and Due Process Policy and Administrative Regulation.

**Instructor Information:** Sandra Wake call me at 983-9714  
 email me at [swake@willitsonline.com](mailto:swake@willitsonline.com)  
 leave me note in the District Office drop box