

## Course Syllabus

CSKLS 367.2 Section 1976 9/23 to 11/3/2019

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### Description

This course combines guided practice with independent study to learn or re-learn the concepts of basic arithmetic and pre-algebra. Skills-based online software will encourage you to progress from your current levels of competency and build math skills to prepare for desired math courses, occupational requirements, and targeted math tests.

### Features of Online Coursework

First, on or close to the first day of class, you will take an initial, online assessment of your math skills. You should plan on spending about two hours on this assessment. Based on those results, you will be assigned individualized lessons. I will assist you in planning course completion goals and weekly objectives. These may include some or all of the below options.

While you are working on ALEKS, additional help is available online through extra explanations, power point explanations and video demonstrations.

You can choose your level of independence, working at home or at the college, but you are encouraged to work in the CSKLS Math Lab where instructor support is available.

### How to Complete This Course

You will need two codes to get started, a **student access code** and a **course code**

1) You will need to purchase the **student access code** at either the SRJC Bookstore or online through the ALEKS website at: [www.aleks.com](http://www.aleks.com).

If you purchase it online through ALEKS, wait until the first day of class \* you only get 6 weeks so don't get ahead on this one !!

- On the ALEKS website, go to **Sign up now**.
- The next screen will ask you to choose a class type, choose: Mathematics: ALEKS Math (6 weeks) \$40
- You can purchase your student code at the bookstore any time in advance, but you must ***wait until the first day of class to register on ALEKS***.
- (Your access to ALEKS will be limited to six weeks; you'll need to time it to remain within the six weeks of this class.)

2) Check into ALEKS using your new student code and the course code below.  
You can start this anytime on or after September 23

**Use the course code: DRYKX-TW9RN**

4) Complete the ALEKS orientation and take the initial assessment.

5) Endeavor to complete your pie chart by working on the lessons and problems offered to you as you move around the chart.

6) Each student is expected to dedicate **9 hours** each week working directly on the ALEKS program. Time on the ALEKS program may be executed from any Internet-accessible computer. Since this is a short, six-week course, students should remain current in hours spent in the ALEKS program each week.

7) You are also asked to offer short **weekly reports** on how the lessons went. The links to these reports are found on our Moodle homepage.

### **Course Objectives**

- Apply basic operations of addition, subtraction, multiplication, and division to whole numbers, fractions, mixed numbers, and decimals;
- Apply basic operations to signed numbers and algebraic expressions;
- Represent a number in its equivalent decimal, fraction, percent, scientific notation;
- Interpret data from basic graphs, charts, and tables;
- Using tables of equivalents, convert units of English and metric measurements;
- Identify basic math language and translate into numerals and symbols;
- Use rounding and estimating to solve word problems and verify answers;
- Interpret and apply strategies to solve basic word problems containing whole numbers, fractions, decimals, percents, and signed numbers;
- Set up and solve basic linear and proportional equations;
- Apply formulas for perimeter, area, and volume of regular and irregular shapes to solve measurement problems;
- Apply order of operations when solving math problems

The level and type of math problems you work on are determined by how you do on the initial assessment in ALEKS. *(Don't guess! You might get it right, and then ALEKS won't know that you don't know it.)*

You must schedule your time to be able to dedicate approximately 9 hours per week working directly on ALEKS and submit a weekly report.

### **Texts and Materials**

The ALEKS program does not require a specific textbook. Any appropriate pre-algebra book may be used in conjunction with the course. Work texts written for the ALEKS program are available online and in the bookstore soon, but they are not required.

Again the website for ordering the student code and work texts (optional) is <http://www.aleks.com>

### **Grading**

Think of your grade as a possible total of up to 100 points

- **Time spent:** *The time you spend using the ALEKS program is worth 54 points. If you work a minimum of 9 hours per week, you will earn 9 points, (up to 54 points over 6 weeks).*
- **Assessments:** *There are four assessments worth 5 points each and a final assessment worth 8 points = 28 points of your total.*
- **Reports:** *The remaining 18 points of your grade rely on your diligent submission of well-thought-out weekly reports worth 3 points each.*

Adding all these grading categories together, you could conceivably earn 100 points by working consistently each week to improve your math skills with this ALEKS based program. You must earn at least 71 points to pass this course with credit.