



Central
North
South
SVI

MATH083 - Arithmetic

Document Type: Master Course Outline Supplemental

Proposal Type: Revision

Requester(s): Rick A Downs

College: South

Origination Approved: 06/19/2013 - 12:59 PM

BASIC INFORMATION

Requester(s): Rick A Downs

College: South Seattle Community College

Division/Dept: Academic Programs

Dean: Chad Hickox

Peer Reviewer(s): Kim Llewelyn
John Toutonghi

COLLEGE SUPPLEMENTAL

Proposed Quarter of Implementation: Winter 2014

Request Provisional Exception

Class Capacity: 30

Modes of Delivery: (Check all that apply)

Fully On Campus

Fully Online

Hybrid

Other Explanation:

Class Schedule Description:

Operations with whole numbers, fractions, decimals and signed numbers, order of operations, ratios, proportions, percents, measurement and geometry. Prereq: Compass 25 - 53. For Math 083 offered online see:
<http://mathonline.southseattle.edu/>

Student Learning Outcomes:

Communication

Read and listen actively to learn and communicate

Computation

Use arithmetic and other basic mathematical operations as required by program of study

Apply quantitative skills for academic, and career purposes

Critical Thinking and Problem-Solving

Think critically in evaluating information, solving problems, and making decisions

Technology

Select and use appropriate technological tools for academic, and career tasks

Personal Responsibility

Uphold the highest standard of academic honesty and integrity

Respect the rights of others in the classroom, online and in all other school activities

Attend class regularly, complete assignments on time and effectively participate in classroom and online discussions, group work and other class-related projects and activities

Program Outcomes:

SLO #	SSCC Student Learning Outcome	Included in Course objective Number
SLO 1.1	Communication – Read and listen actively to learn & communicate.	
SLO 1.2	Communication – Speak and write effectively for academic and career purposes.	
SLO 2.1	Computation – Use Arithmetic & other basic mathematical operations as required by program of study.	1 - 8
SLO 2.2	Computation – Apply quantitative skills for personal, academic and career purposes.	1 - 8
SLO 3.1	Human Relations – Use social skills to work in groups effectively.	
SLO 3.2	Human Relations – Have knowledge of the diverse cultures represented in our multicultural society.	
SLO 4.1	Critical Thinking - Think critically in evaluating information, solving problems and making decisions.	1 - 8
SLO 5.1	Technology - Select and use appropriate technological tools for personal, academic and career tasks.	
SLO 6.1	Personal Responsibility – Uphold the highest standard of academic honesty and integrity.	
SLO 6.2	Personal Responsibility – Respect the rights of others in the classroom, online, and in all other school activities.	
SLO 6.3	Attend regularly, complete assignments on time and effectively participate in classroom and online discussions, group work and other class-related projects and activities.	
SLO 6.4	Personal Responsibility – Abide by appropriate safety rules in laboratories, shops and classrooms.	
SLO 7.1	Information Literacy – Independently access and evaluate and select information from a variety of appropriate sources.	
	Have knowledge about legal and ethical related to the use of	

SLO 7.2	information.	
SLO.7.3	Information Literacy – Use information effectively and ethically for a specific purpose.	

Course Outcomes/Objectives:

Upon successfully completing this course, students should be able to:

1. Add, subtract, multiply and divide whole numbers, fractions, mixed numbers, decimals and signed numbers.
2. Factor whole numbers into products of primes.
3. Change numbers from decimal, fractional, or percent form to one of the other forms.
4. Round off whole and decimal numbers.
5. Find the least common denominator.
6. Simplify ratios and solve proportions.
7. Solve application problems involving whole numbers, fractions, decimals, proportions and percents.

Explain the student demand for the course and potential enrollment:

There are about 5 classes of this course offered fall, winter and spring.

Explain why this course is being created:

This is a revision to the course outline.

What challenges, if any, do you foresee in offering this course:

There are no foreseen challenges in changing the outline of this course.

This is to certify that the above criteria have all been met and all statements are accurate to the best of my knowledge.

Faculty involved in originating this program:

Rick A Downs
Print Name

Rick A Downs
Signature

1/1/0001
Date

Dean:

Chad Hickox
Print Name

Chad Hickox
Signature

5/31/2013
Date

Results of SSCC Curriculum Coordinating Council Findings

Participating Faculty Response and Remarks

- Recommended for approval
- Not recommended for approval

Chairman, Curriculum Coordinating Council:

Tim Walsh
Print Name

Tim Walsh
Signature

6/14/2013
Date

Vice President for Instruction:

Donna Miller-Parker
Print Name

Donna Miller-Parker
Signature

6/19/2013
Date