



U.S. INTERNATIONAL CHRISTIAN ACADEMY

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<http://www.usicahs.org/Library.html>

<http://www.usicahs.org/Curriculum.html>

U.S.I.C.A. Course Outline Syllabus

Grade/Course: MATH FOR COLLEGE READINESS 1200700

Grade Level: 12th High School

A)TEXT BOOK: College Prep Algebra: Mathematics for College Readiness By Florida Edition

ISBN: 9781285836782 - 1285836782

Order No.: 1

Code:ALG1003

Class Type:Online

Resources:

Text book
Teacher works CD
Teacher interactive
online
Links, Skype

Skype Conference
Zoom, Social Media

Length: 1 year

Instructional Supports:

Textbook, Magazines, Journals, Websites
Links, Video Conference, Videos,
Comprehensive Reading Plan, Skype, Zoom, e-
Library, Social Media

Area:Mathematics

Credits: 1

Total Numbers of class hours:300 hrs

Type: Mandatory

Standards:
Florida Standards
www2.dadeschools.net

Prerequisite:
Students must have successfully passed
Algebra I

B) Description:

This course is intended for grade 11 or 12 students, whose test scores on the Postsecondary Educational Readiness Test (P.E.R.T.) are at or below the established cut scores for mathematics, indicating that they are not yet “college ready” in mathematics or simply need some additional instruction in content to prepare them for success in college level mathematics.

C) Objectives:

Upon completion of this course, the student will be able to:

1. Demonstrate knowledge and understanding of expressions, equations, the Number System, Functions, Algebra, Geometry, Number and Quantity, Statistics and Probability, as set by the Florida Standards. The standards align with the Mathematics Postsecondary Readiness Competencies deemed necessary for entry-level college courses.
2. Demonstrate an understanding of functions and relations, data analysis, algebraic operations, linear quadratic equations, inequalities and graphs; algebraic exponents and logarithmic functions.
- 3.

D) Contents

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13.3 Geometric Sequences 682

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E. Methodology

E)Academic Methodology:	
Tests	30%
Assignments	50%
Final Exam	20%

F) Book Reference:

- 1..McDougalLittell Algebra 1: Applications, Equations, & Graphs [Hardcover] (Author)
2. Algebra Survival Guide Workbook: Thousands of Problems To Sharpen Skills and Enhance Understanding [Paperback] by Josh Rappaport(Author)
- 3 High School Algebra Tutor (High School Tutors Study Guides) [Paperback]
The Editors of REA (Author), Algebra Study Guides (Author), Staff of Research & Education Association (Author)
- 4.A-Plus Notes for Beginning Algebra: Pre-Algebra and Algebra 1 Paperback by Rong Yang(Author)
- 5.Algebra 1 Hardcover by Inc. Prentice-Hall(Corporate Author)

H) Web Reference:

<http://www.calculatorsoup.com/calculators/algebra/>

www.algebra.com

www.coolmath.com

www.mathpower.com/linkstu.htm

www.math.com

www.purplemath.com/modules/index.htm

www.softmath.com/links-to-algebra.html

www.homeschoolmath.net/online/algebra.php

www.webmath.com

www.algebrahelp.com

<http://www.homeworksimplified.com>

<http://www.homeworksimplified.com>

www.homeschoolmath.net

<http://school.discoveryeducation.com/homeworkhelp/webmath/>
<http://www.cut-the-knot.org/content.shtml>
<http://tutorial.math.lamar.edu/Extras/AlgebraTrigReview/AlgebraTrigIntro.aspx>

I. Journals:

Advances in Applied Mathematics
Advances in Difference Equations
Advances in Differential Equations
Advances in Geometry
Advances in Mathematics
Advances in Theoretical and Mathematical Physics
Algebra & Number Theory
Algebra Colloquium
Algebra Universalis
Algebraic & Geometric Topology
American Journal of Mathematics
American Mathematical Monthly
Analysis and Applications
The Analyst

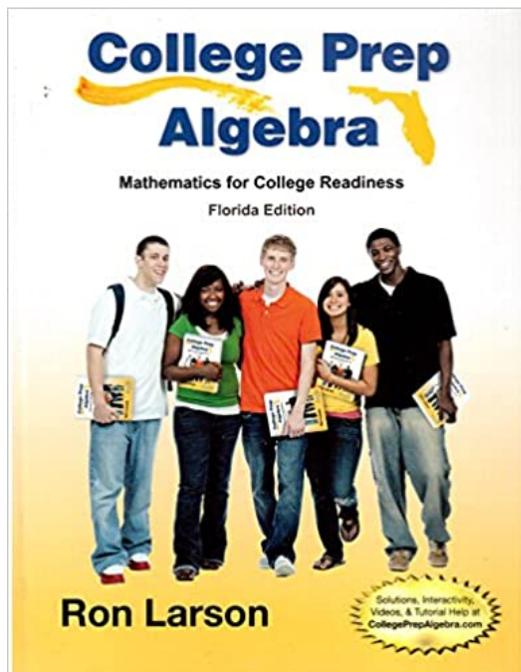
J. Magazines:

Math Horizons
Millennium Mathematics
Quantum Magazine

K. Organizations:

National Council of Teachers of Mathematics (N.C.T.M.)

BOOK:



Text Book: College Prep Algebra: Mathematics for College Readiness

By Florida Edition

Course: No. 1200700

ISBN: 9781285836782 – 1285836782

ACADEMIC MISCONDUCT:

Academic misconduct includes cheating (using unauthorized materials, information, or study aids in any academic exercise), plagiarism, falsification of records, unauthorized possession of examinations, intimidation, and any and all other actions that may improperly affect the evaluation of a student's academic performance or achievement, or assisting others in any such act or attempts to engage in such acts. Academic misconduct in any form is inimical to the purposes and functions of the school and therefore is unacceptable and prohibited.

Any faculty member, administrator or staff member may identify an act of academic misconduct and should report that act to the department head or administrative supervisor.

Students violating the standards of academic honesty are subject to disciplinary action including reduction of a grade(s) in a specific course, assignment, paper, or project; a formal or informal reprimand at the professorial, dean, or academic vice president level; expulsion from the class in which the violation occurred; expulsion from a program; or expulsion from the school.

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