MATH 107A: FUNDAMENTAL MATHEMATICAL CONCEPTS

In Workflow

1. MATH Committee Chair (vincent.pigno@csus.edu)
2. MATH Chair (kelce@skymail.csus.edu)
3. NSM College Committee Chair (mikkel.jensen@csus.edu)
4. NSM Dean (datwyler@csus.edu)
5. Academic Services (catalog@csus.edu)
6. Senate Curriculum Subcommittee Chair (curriculum@csus.edu)
7. Council on the Preparation of School Personnel Chair (mae.chaplin@csus.edu)
8. Dean of Undergraduate (gardner@csus.edu)
9. Dean of Graduate (cnewsome@skymail.csus.edu)
10. Catalog Editor (catalog@csus.edu)
11. Registrar's Office (k.mcfarland@csus.edu)
12. PeopleSoft (PeopleSoft@csus.edu)

Approval Path

1. Mon, 14 Oct 2024 15:50:02 GMT
   Vincent Pigno (vincent.pigno): Approved for MATH Committee Chair
2. Mon, 14 Oct 2024 16:34:50 GMT
   Kimberly Elce (kelce): Approved for MATH Chair
3. Thu, 24 Oct 2024 16:49:29 GMT
   Mikkel Jensen (mikkel.jensen): Approved for NSM College Committee Chair
4. Thu, 24 Oct 2024 17:13:38 GMT
   Chris Taylor (ctaylor): Approved for NSM Dean

Date Submitted: Fri, 11 Oct 2024 17:51:35 GMT

Viewing: MATH 107A : Fundamental Mathematical Concepts

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Changes proposed by: Kimberly Elce (101052896)

Contact(s):

Name (First Last)	Email	Phone 999-999-9999
Kimberly Elce	kelce@csus.edu	8-6534

Catalog Title:
Fundamental Mathematical Concepts

Class Schedule Title:
Fundamental Math Concepts

Academic Group: (College)
NSM - Natural Sciences & Mathematics

Academic Organization: (Department)
Mathematics & Statistics

Will this course be offered through the College of Continuing Education (CCE)?
No

Catalog Year Effective:
Spring 2025 (2025/2026 Catalog)

Subject Area: (prefix)
MATH - Mathematics

Catalog Number: (course number)
107A

Course ID: (For administrative use only.)
147406

Units:
3

Is the ONLY purpose of this change to update the term typically offered or the enforcement of existing requisites at registration?
No

In what term(s) will this course typically be offered?
Fall, Spring

Does this course require a room for its final exam?
Yes, final exam requires a room

This course complies with the credit hour policy:
Yes

Justification for course proposal:
Remove the Math 10/ALEKS prerequisite requirement.

Course Description: (Not to exceed 90 words and language should conform to catalog copy.)
First half of a one-year course in the structure of the real number system and its sub-systems and in the basic properties and concepts of geometry. Topics will include: definitions and properties of set theory and their use in the development of the natural and whole number systems, definitions and properties of the arithmetic relations and operations for the natural numbers, whole numbers, integers.

Are one or more field trips required with this course?
No

Fee Course?
No

Is this course designated as Service Learning?
No

Is this course designated as Curricular Community Engaged Learning?
No

Does this course require safety training?
No

Does this course require personal protective equipment (PPE)?
No

Course Note: (Note must be a single sentence; do not include field trip or fee course notations.)
May not be taken for credit toward a mathematics major or minor

Does this course have prerequisites?
Yes

Prerequisite:
MATH 17

Prerequisites Enforced at Registration?
Yes

Does this course have corequisites?
No

Graded:
Letter

Approval required for enrollment?

No Approval Required

Course Component(s) and Classification(s):

Lecture

Lecture Classification

CS#02 - Lecture/Discussion (K-factor=1WTU per unit)

Lecture Units

3

Is this a paired course?

No

Is this course crosslisted?

No

Can this course be repeated for credit?

No

Can the course be taken for credit more than once during the same term?

No

Description of the Expected Learning Outcomes and Assessment Strategies:

List the Expected Learning Outcomes and their accompanying Assessment Strategies (e.g., portfolios, examinations, performances, pre-and post-tests, conferences with students, student papers). Click the plus sign to add a new row.

	Expected Learning Outcome	Assessment Strategies
1	Implement methods of exploration and explanation to various questions in arithmetic and basic geometry.	Homework, class work, exams
2	Explain concepts of mathematics in the grade K-8 curriculum using definitions, manipulatives, and models.	Homework, class work, exams
3	Communicate mathematics both orally and in writing at a level appropriate for a variety of audiences.	Homework, class work, exams
4	Analyze student thinking and work to recognize both understandings and misconceptions the student has regarding mathematics.	Homework, class work, exams

Is this course required in a degree program (major, minor, graduate degree, certificate?)

Yes

Has a corresponding Program Change been submitted to Workflow?

No

Identify the program(s) in which this course is required:

Programs:
BA in Liberal Studies

Does the proposed change or addition cause a significant increase in the use of College or University resources (lab room, computer)?

No

Will there be any departments affected by this proposed course?

No

I/we as the author(s) of this course proposal agree to provide a new or updated accessibility checklist to the Dean's office prior to the semester when this course is taught utilizing the changes proposed here.

I/we agree

University Learning Goals

Undergraduate Learning Goals:
Competence in the disciplines
Intellectual and practical skills
Integrative learning

Is this course required as part of a teaching credential program, a single subject, or multiple subject waiver program (e.g., Liberal Studies, Biology) or other school personnel preparation program (e.g., School of Nursing)?
Yes

For the Council for the Preparation of School Personnel (to be filled out with assistance of your department chair):

Does this course change impact your department's currently written Program Standards Document?
No

Common Standards: In what way does this course or program change impact the currently written Common Standards document? Please include any suggested language changes:
na

Is this change in response to program or unit assessment activities?
No

Will this course introduce any new or changes to program assessments?
No

Please attach any additional supporting materials:
MATH107A.pdf

GE Course and GE Goal(s)

Is this a General Education (GE) course or is it being considered for GE?
No

Key: 3182