

NEW COURSE PROPOSAL

Courses must be submitted by October 15, 2011, and finalized by the end of the fall semester for the next catalog production.

Use YELLOWED areas to enter data.

DATE (*Change if modified and redate file with current date*) 11.14.11; REV 11.30.11; REV 12.19.11

PROGRAM AREA(S) MATHEMATICS

1. Course Information. *[Follow accepted catalog format.]*

Prefix(es) (Add additional prefixes if cross-listed) **and Course No.** MATH 05

Title: EARLY START INTERMEDIATE ALGEBRA SKILLS **Units:** 1

Prerequisites

Corequisites

Consent of Instructor Required for Enrollment

Catalog Description (Do not use any symbols): A review of fundamental concepts of intermediate algebra. Problem solving using graphs and linear and quadratic equations. Credit for this course will satisfy the Early Start Requirement. Credit will not apply toward the baccalaureate degree. Students may retake Entry Level Mathematics (ELM) to obtain a passing score to move to college level mathematics courses.

Grading Scheme:

- A-F Grades
- Credit/No Credit
- Optional (Student Choice)

Repeatability:

- Repeatable for a maximum of units
- Total Completions Allowed 1
- Multiple Enrollment in Same Semester

Course Level Information:

- Undergraduate
- Post-Baccalaureate/Credential Graduate

Mode of Instruction/Components (*Hours per Unit are defaulted.*)

| | Units | Hours per Unit | Benchmark Enrollment | Graded Component | CS & HEGIS # (Filled in by the Dean) |
|---------------|-------|----------------|----------------------|------------------|---|
| Lecture | 1 | 1 | 20 | X | |
| Seminar | | 1 | | | |
| Laboratory | | 3 | | | |
| Activity | | 2 | | | |
| Field Studies | | | | | |
| Indep Study | | | | | |
| Other Blank | | | | | |

Leave the following hours per week areas blank. The hours per week will be filled out for you.

1 hours **lecture** per week
 hours blank per week

Is this course delivered online? Yes_____ No_____

This course will be offered in a compact form (probably over 3 days) during summer sessions.

2. Course Attributes:

General Education Categories: All courses with GE category notations (including deletions) must be submitted to the GE website: <http://summit.csuci.edu/geapproval>. Upon completion, the GE Committee will forward your documents to the Curriculum Committee for further processing.

A (English Language, Communication, Critical Thinking)

- A-1 Oral Communication
- A-2 English Writing
- A-3 Critical Thinking

B (Mathematics, Sciences & Technology)

- B-1 Physical Sciences

- B-2 Life Sciences – Biology
- B-3 Mathematics – Mathematics and Applications
- B-4 Computers and Information Technology

C (Fine Arts, Literature, Languages & Cultures)

- C-1 Art
- C-2 Literature Courses
- C-3a Language
- C-3b Multicultural

D (Social Perspectives)

E (Human Psychological and Physiological Perspectives)

UDIGE/INTD Interdisciplinary

Meets University Writing Requirement

Meets University Language Requirement

American Institutions, Title V Section 40404: Government US Constitution US History
 Refer to website, Exec Order 405, for more information: <http://senate.csuci.edu/comm/curriculum/resources.htm>

Service Learning Course (Approval from the Center for Community Engagement must be received before you can request this course attribute).

3. Justification and Requirements for the Course. (Make a brief statement to justify the need for the course)

A. Justification: Early Start required course for students scoring below 50 on ELM.

B. Degree Requirement: Requirement for the Major/Minor **Note: Submit Program Modification if this course changes your program.**
 Elective for the Major/Minor
 Free Elective

4. Student Learning Outcomes. (List in numerical order. You may wish to use the following resource in utilizing measurable verbs: <http://senate.csuci.edu/comm/curriculum/resources.htm>)

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

- Improve their computational skills
- Improve their algebraic and trigonometric skills
- Apply their intermediate algebra skills to problem solving
- Apply algebraic thinking to other fields
- Improve their graphing skills for algebraic functions

5. Course Content in Outline Form. [Be as brief as possible, but use as much space as necessary]

- Real numbers and operations
- Algebraic Expressions
- Equations, Inequalities
- Graphing linear and quadratic functions
- Quadratic Equations and parabolas
- Problem Solving

Does this course content overlap with a course offered in your academic program? **Yes** x **No**
 If YES, what course(s) and provide a justification of the overlap. – this course is an introduction to Math 95.

Does this course content overlap a course offered in another academic area? **Yes** **No** x
 If YES, what course(s) and provide a justification of the overlap.

Overlapping courses require Chairs' signatures.

6. Cross-listed Courses (Please note each prefix in item No. 1)

A. List Cross-listed Courses (Signature of Academic Chair(s) of the other academic area(s) is required).

List each cross-listed prefix for the course:

B. Program responsible for staffing: math

7. References. [Provide 3 - 5 references]

Bittinger/Ellenbogen/Johnson *Elementary and Intermediate Algebra, Concepts and Applications*, Second Edition Copyright (c)1997 Addison Wesley Longman

8. Tenure Track Faculty Qualified to Teach This Course.

All math faculty

9. Requested Effective Date:

First semester offered: summer 2012

10. New Resources Requested. Yes No

If YES, list the resources needed.

A. Computer Needs (data processing, audio visual, broadcasting, other equipment, etc.)

B. Library Needs (streaming media, video hosting, databases, exhibit space, etc.)

C. Facility/Space/Transportation Needs

D. Lab Fee Requested (please refer to Dean's Office for additional processing) **Yes No**

E. Other

11. Will this new course alter any degree, credential, certificate, or minor in your program? Yes No

If, YES attach a program update or program modification form for all programs affected.

Priority deadline for New Minors and Programs: **October 1, 2011** of preceding year.

Priority deadline for Course Proposals and Modifications: **October 15, 2011**, of preceding year.

Last day to submit forms to be considered during the current academic year: **April 15th**.

Ivona Grzegorzcyk, Jorge Garcia

Oct 11, 2011

Proposer of Course (Type in name. Signatures will be collected after Curriculum approval)

Date

Approval Sheet

Program/Course:

If your course has a General Education Component or involves Center affiliation, the Center will also sign off during the approval process.

Multiple Chair fields are available for cross-listed courses.

| | | |
|---------------|--|--|
| Program Chair | | |
|---------------|--|--|

Signature

Date

| | | |
|---------------|--|--|
| Program Chair | | |
|---------------|--|--|

Signature

Date

| | | |
|---------------|--|--|
| Program Chair | | |
|---------------|--|--|

Signature

Date

| | | |
|-------------------------|--|--|
| General Education Chair | | |
|-------------------------|--|--|

Signature

Date

| | | |
|---|--|--|
| Center for International Affairs Director | | |
|---|--|--|

Signature

Date

| | | |
|---|--|--|
| Center for Integrative Studies Director | | |
|---|--|--|

Signature

Date

| | | |
|--|--|--|
| Center for Multicultural Engagement Director | | |
|--|--|--|

Signature

Date

| | | |
|--------------------------------------|--|--|
| Center for Civic Engagement Director | | |
|--------------------------------------|--|--|

Signature

Date

| | | |
|------------------|--|--|
| Curriculum Chair | | |
|------------------|--|--|

Signature

Date

| | | |
|-----|--|--|
| AVP | | |
|-----|--|--|

Signature

Date