## NEW COURSE PROPOSAL FORM

|  |  |
| --- | --- |
| ACADEMIC AREA: | College and Career Readiness |
| PROGRAM: | NON DEGREE |
| PROPOSEd by: | sabine Eggleston |
| PRESENTER: | Sabine Eggleston and Caroline Seefchak |
| SUBMISSION DATE: | 2/7/2014 |
| COURSE PREFIX, NUMBER AND TITLE: | MAT0057 mathematics for college success |

### SECTION I

|  |  |
| --- | --- |
| COURSE INFORMATION: | TYPE iN THE APPROPRIATE INFORMATION FOR EACH ITEM: |
| division | College and Career Readiness |
| COURSE PREREQUISITE(S): | LIST ALL PREREQUISITES IN SEQUENTIAL ORDER and include the mimimum grade for each |
| DO YOU ANTICIPATE THAT STUDENTS WILL BE TAKING ANY OF THE PREREQUISITES LISTED FOR THIS COURSE IN DIFFERENT PARTS OF THE SAME TERM? | -- NA -- |
| MINIMUM GRADE OF prereqUISITE(s): | select minimum grade required |
| COURSE COREQUISITE(S): | --Na-- |
| IS ANY COREQUISITE LISTED ON THIS COURSE LISTED AS A COREQUISITE ON ITS PAIRED COURSE?  eXAMPLE: CHM 2032 IS A COREQUISITE FOR CHM 2032L AND CHM 2032L IS A COREQUISITE FOR CHM 2032. | -- NA -- |
| COURSE CREDITS OR CLOCK HOURS: | 3 credit Hours |
| credit type: | PREPARATORY CREDIT (NON-TRANSFERABLE/NOT INCL. IN GPA) |
| CONTACT HOURS: | 4 contact hours |
| COURSE DESCRIPTION: | |
| This course prepares a student for success in MAT1033 Intermediate Algebra and/or MAT1990. Topics to be covered include Integers, Fractions and mixed numbers with signed numbers, Decimals with signed numbers, Order of operations, Algebraic expressions, Algebraic equations and inequalities, Exponents and polynomials, Factoring polynomials, Rational expressions, Graphing linear equations and inequalities, and Radicals. | |
| GENERAL TOPIC OUTLINE: |  |
| * Integers * Fractions and mixed numbers with signed numbers * Decimals with signed numbers * Order of operations * Algebraic expressions * Algebraic equations and inequalities * Exponents and polynomials * Factoring polynomials * Rational expressions * Graphing linear equations and inequalities * Radicals | |

**LEARNING OUTCOMES (for information purposes only):**

TYPE IN ALL OF THE LEARNING OUTCOMES, ASSESSMENTS AND GEN ED COMPETENCIES AS THEY SHOULD BE DISPLAYED IN THE SYLLABUS

|  |  |  |
| --- | --- | --- |
| LEARNING OUTCOMES | ASSESSMENTS | GENERAL EDUCATION COMPETENCIES |
| Perform order of operations | Homework, Quizzes, and Tests |  |
| Classify sets of numbers | Homework, Quizzes, and Tests |  |
| Identify and apply the properties of real numbers | Homework, Quizzes, and Tests |  |
| Perform operations with integers | Homework, Quizzes, and Tests |  |
| Evaluate exponents with integers | Homework, Quizzes, and Tests |  |
| Simplify algebraic expressions | Homework, Quizzes, and Tests |  |
| Evaluate algebraic expressions | Homework, Quizzes, and Tests |  |
| Solve linear equations and applications (including topic of percents, geometry and proportions) | Homework, Quizzes, and Tests |  |
| Solve literal equations for a given variable | Homework, Quizzes, and Tests |  |
| Solve and graph linear inequalities in one variable | Homework, Quizzes, and Tests |  |
| Simplify an expression with integer exponents | Homework, Quizzes, and Tests |  |
| Add, subtract, multiply and divide polynomials | Homework, Quizzes, and Tests |  |
| Graph linear equations using a table of values, intercepts and slope-intercept form | Homework, Quizzes, and Tests |  |
| Factor polynomial expressions by GCF, grouping, trinomial method and difference of squares | Homework, Quizzes, and Tests |  |
| Solve quadratic equations in one variable by factoring , including the Pythagorean Theorem | Homework, Quizzes, and Tests |  |
| Simplify, multiply, and divide rational expressions | Homework, Quizzes, and Tests |  |
| Add and subtract rational expressions with monomial denominators | Homework, Quizzes, and Tests |  |
| Simplify square root expressions | Homework, Quizzes, and Tests |  |
| Add, subtract and multiply square roots of monomials | Homework, Quizzes, and Tests |  |
| Rationalize the denominator of monomials | Homework, Quizzes, and Tests |  |

### SECTION II (Must complete each item below)

|  |  |
| --- | --- |
| ICS CODE FOR THIS COURSE: | ADULT GENERAL EDUCATION - 1.31.01 - COLLEGE PREP |
| IF YOU INTEND TO RESTRICT STUDENT REGISTRATION BASED ON THE STUDENTS’ MAJOR(S), ENTER ALL APPLICABLE MAJOR RESTRICTION CODE(S)—Enter “NA” OR MAJOR code(S): | --NA-- |
| GRADE MODE: | STANDARD GRADING |
| IS THIS AN “INTERNATIONAL OR DIVERSITY FOCUS” COURSE? | NO |
| IS THIS A GENERAL EDUCATION COURSE? | NO |
| IS THIS A WRITING INTENSIVE COURSE? | NO |
| iS THIS AN HONORS COURSE? | NO |
| IS THIS A REPEATABLE\* COURSE?  (A repeatable course may be taken more than one time for additional credits. For example, MUT 2641, a 3-credit hour course, can be repeated 1 time and a student can earn a maximum of 6 credits.)  \*not the same as Multiple Attempts or Grade Forgiveness | YES |
| IF “YES”, WHAT IS THE MAXIMUM NUMBER OF CREDITS A STUDENT CAN EARN FOR THIS COURSE? if “NO”, ENTER “na”. | 6 credits |
| DO YOU EXPECT TO OFFER THIS COURSE THREE TIMES OR LESS (experimental)? | NO |
| WILL this course HAVE AN IMPACT ON OTHER COURSES, PROGRAMS, DEPARTMENTS, or budgets? | NO |
| IF “YES,” please eXPLAIN or submit comments (ENTER “NA” or COMMENTS): | --NA-- |
| IF “YES,” HAVE YOU DISCUSSED THIS PROPOSAL WITH ANYONE (FROM OTHER DEPARTMENTS, PROGRAMS, or other institutions) REGARDING THE IMPACT? WERE ANY AGREEMENTS MADE (ENTER “NA” OR COMMENTS)? | --NA-- |

### sECTION III (MUST COMPLETE EACH ITEM BELOW)

**PROVIDE JUSTIFICATION FOR EACH CHANGE ON THIS PROPOSED CURRICULUM ACTION (OTHER EXPLANATORY INFORMATION)—ENTER “na” OR TEXT:**

The Change to the course number and course name are in response to State Legislation, senate Bill 1720, which has mandated a change in developmental courses starting in the fall 2014. the change in the course credits/Contact hours is also due to legislation that calls for a reduction of time and funds students spend on developmental coursework; THE course contact hours will not change, and will remain four hours, to account for required lab time.

**nOTE:** Changes for the Fall 2014 Term must be submitted by the January 2014 deadline and approved no later than the February 2014 Curriculum Committee meeting prior to the start of the next academic year. Changes during mid-school year are NOT permitted. Extreme circumstances will require approval from the appropriate dean as well as the Vice President, Academic Affairs to begin in either the spring or summer term.

**TERM IN WHICH PROPOSED ACTION WILL TAKE PLACE:**

FALL 2014

TYPE IN TERM IF “EXCEPTION” AND OBTAIN BOTH SIGNATURES BELOW OR TYPE “NA”

**oRDER OF APPROVAL FOR EXCEPTIONS IS AS FOLLOWS:**

SIGNATURE #1 NEEDED FOR EFFECTIVE TERM EXCEPTION:



SIGNATURE #2 NEEDED FOR EFFECTIVE TERM EXCEPTION:



**FACULTY ENDORSEMENTS:**PLEASE SEPARATE FACULTY MEMBERS WITH A COMMA (,)



**DEPARTMENT CHAIR / PROGRAM COORDINATOR ENDORSEMENT:**

 2/28/2014

**DEAN ENDORSEMENT:**

 2/28/2014

**DEANS’ COUNCIL Review – verified by:**

 3/17/2014

**FOR CURRICULUM COMMITTEE MEETING DATE: March 28, 2014**

Completed curriculum proposals must be uploaded to the dropbox by the deadline. Please refer to the *Curriculum Committee Critical Dates for Submission for Proposals* document available in the document manager in the MyEdisonState Portal:

* Document Manager
* VP Academic Affairs
* Curriculum Process Documents