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UWUCC USE Only
Number: 98-34
Submission Date: _____
Action-Date: 12-8-98

CURRICULUM PROPOSAL COVER SHEET
University-Wide Undergraduate Curriculum Committee

Senate approval: 2/2/99

I. CONTACT

Contact Person Gerald Buriok Phone 7 2608

Department Mathematics

II. PROPOSAL TYPE (Check All Appropriate Lines)

_____ **COURSE** _____
Suggested 20 character title

____ New Course* _____
Course Number and Full Title

____ Course Revision _____
Course Number and Full Title

____ Liberal Studies Approval+ for new or existing course _____
Course Number and Full Title

____ Course Deletion _____
Course Number and Full Title

____ Number and/or Title Change _____
Old Number and/or Full Old Title

_____
New Number and/or Full New Title

X Course or Catalog Description Change MA100 Intermediate Algebra
Course Number and Full Title

_____ **PROGRAM:** _____ Major _____ Minor _____ Track

____ New Program* _____
Program Name

____ Program Revision* _____
Program Name

____ Program Deletion* _____
Program Name

____ Title Change _____
Old Program Name

_____
New Program Name

III. Approvals (signatures and date)

Gary L Stewart 10/5/98
Department Curriculum Committee

Gerald Buriok 10/5/98
Department Chair

John D. Ed 11/2/98
College Curriculum Committee

College Dean 11/02/98

+Director of Liberal Studies (where applicable)

*Provost (where applicable)

II. Description of Curriculum Change

1. Catalog Description.

MA100 Intermediate Algebra **3c-01-3sh**
Note: A student may not take MA100 after successfully completing MA105 or MA110 or a calculus course without the written approval of the mathematics department chairperson.

A basic course in algebra including factoring, exponents and radicals, systems of linear equations, complex fractions, and inequalities. Designed for those students who lack the basic algebraic skills required in MA105 College Algebra or MA110 Elementary Functions. This course will not meet Liberal Studies math requirements.

2. Listing of proposed changes.

The **Note** is being changed to read "...MA105 or MA110..." in the new description. The old description does not list MA105.

The new description states that MA100 is designed to prepare students for MA105 College Algebra, in addition to MA110 Elementary Functions.

The parenthesized sentence (Title was Basic Algebra prior to 1995-96.) has been deleted.

Old catalog description:

MA100 Intermediate Algebra **3c-01-3sh**
Note: A student may not take MA100 after successfully completing MA110 or a calculus course without the written approval of the mathematics department chairperson.

A basic course in algebra including factoring, exponents and radicals, systems of linear equations, complex fractions, and inequalities. Designed for those students who lack the basic algebraic skills required in MA110 Elementary Functions. This course will not meet Liberal Studies math requirements. (Title was Basic Algebra prior to 1995-96.)

3. Justification/rationale for the change.

Prior to the 1998-99 academic year, the Mathematics Department offered three different calculus sequences, with MA110 Elementary Functions serving as the prerequisite for all three sequences. Students not prepared for MA110 were

advised to take MA100. During the 1997-98 academic year, the Mathematics Department revised its programs so that only two calculus sequences are now offered, namely MA123/124 Calculus for Physics, Chemistry, and Mathematics and MA121/122 Calculus for Business, Natural, and Social Sciences. A new course MA105 College Algebra was designed to serve as a prerequisite for the MA121/122 calculus sequence, while MA110 remained the prerequisite for the MA123/124 sequence. Students not prepared for MA105 or MA110 are advised to take MA100.

The Mathematics Department gained approval for excluding students from MA100 after passing MA110 or a calculus sequence. The situation with MA105 is analagous and we wish to exclude students from MA100 after passing MA105. Essentially, MA100 is remedial and meant to prepare students for higher level courses MA105 or MA110 or calculus. Once the students pass the higher level courses, it is clear the remediation is unnecessary.

Sufficient time has elapsed so the note saying the prior title was Basic Algebra is unnecessary.

III. Letters of Support.

MA105 College Algebra was approved by the University Senate during the 1997-98 academic year. At that time, every department which would be affected by the introduction of this course was contacted and indicated support. It was understood that MA105 would replace MA110 for those students who would eventually be taking MA121 Calculus I for Business, Natural, and Social Sciences. This understanding also extended to making the relationship between MA100 and MA105 the same as the relationship between MA100 and MA110, namely that a student could not take MA100 after completing the higher numbered course unless written permission was granted by the department chairperson.