PROCEDURAL SEQUENCE FOR ACADEMIC SENATE APPROVAL OF PROPOSALS

1. Submit all proposals to the Office of Academic Affairs.

2. The Senate President will log items and forward them to the appropriate Senate subcommittees.

3. The Senate subcommittee will send the proposal to the Senate.

4. Senate proposals will be considered by the Full Faculty.

5. If approved, the proposal will then be forwarded to the Provost/Senior Vice Chancellor.

Proposals that require action to approve/disapprove/table or remand will be sent back to the Senate according to the monthly meeting schedule.

TITLE: Honors College Algebra (Honors Math 112)

SUBCOMMITTEE: Curriculum PROPOSAL #: 99-15

PROPOSAL:

This course is the mathematics component in the Honors Sequence. The course must satisfy the core requirements of Math 112 as determined by the Mathematics Program Faculty, but will typically seek a focus different from the standard Math 112. This focus will be determined by the instructor and approved by the Honors committee.

Approved 1/10/01

Action Signatures:

Submitter — Date 1-28-00

Stephen G. Sylvester — College Chair/Dean — Date 1/20/2000

Robert Chesteck — Committee Chair — Approve X — Disapprove ____ — Date 4/27/00

____ — Committee Chair — Approve ____ — Disapprove ____ — Date ____

Terence E. Munson — Faculty Senate President — Approve ✓ — Disapprove ____ — Date 9-12-00

Rogn A. Barbon — Provost/Senior Vice Chancellor for Academic Affairs — Approve ✓ — Disapprove ____ — Date 12/13/00

Revised: 11/15/99

(NOTE: Please see the official course description for the course, which was prepared by the provost's office, using information submitted with the course materials.)
Rogn Barbon 12/13/00

OFFICE OF THE PRESIDENT
MONTANA STATE UNIVERSITY – NORTHERN
ACADEMIC SENATE

December 5, 2000

TO: Roger Barber

FROM: Terry Munson

RE: Math Honors Course

Based on the information provided in the proposal, I concur with your assessment of the course description. The note on the proposal shows that further clarification was also requested by the senate and there was no further clarification offered. Two additions were made to the original course description. The wording and the additions are all included in the course description in your letter. I agree that we should use your description for the course.

TO: Terry Munson

FROM: Roger Barber Roger

RE: The Attached Information

DATE: December 1, 2000

I need your help, Terry; in particular, I need your help in clarifying what was done with Honors Math. The paperwork I received is confusing to me.

I'm going to take a stab at what was approved. To the best of your knowledge, is this the final descriptive language for Honors Mathematics?

> "Properties and theorems of the real and complex number systems. Study of the function concept including inverse functions, graphing techniques, linear, quadratic, polynominal, exponential, and logarithmic functions. Solving systems of equations in two or more variables using matrices, determinants, and matrix algebra. This course must satisfy the core requirements of MATH 112 as determined by the mathematics faculty. The course will have a focus beyond the standard MATH 112. That focus will be developed by the instructor and approved by the Honors Committee. Prerequisites: Placement by means of ACT scores or University placement examination or consent of instructor, and acceptance in Honors Sequence."

I <u>have</u> changed some of the language, but not significantly. But the information I received contained several different versions of the above copy. Could you help me out with the language that was finally agreed to by everyone?

I'm sorry to bother you with this detail, Terry, but I need some direction. I'm also going to return the packet of materials I received, so you can see what I'm talking about.

Thanks for your help, Terry.

4/24/2000

TO: Virginia Sluiter

FR: MSU-N Curriculum Committee

RE: Proposal #99-15

The attached proposal is being returned to you by the Curriculum Committee for the following reason:

1) Please check the amended PROPOSED CATALOG DESCRIPTION - this was discussed at today's meeting, and Steve Lockwood talked about the Honors Sequence. Steve added the wording and the committee conditionally passed the proposal as amended. Please review this and add the written comments into the description(as this is what will appear in the catalog), then return to Bob Christeck for final approval before forwarding to the Senate.

Thank you for your time.

I SENT (GAVE) YOU A COPY OF THE FINAL COPY OF HONORS W/REVISIONS (MAY 1 & 2 - HERE IS THE REST OF WHAT WAS SENT TO ME

V Sluiter 5-1-00

Course Revision Form

NEW xxx_ DROPPED _____ MAJOR REVISION ___ INFORMATION ONLY ____

Department **College of Arts and Sciences** Program Area **Mathematics** Date: **12-1-1999**

Prefix **HON MATH** No. **112** Title **Honors College Algebra** _____ Credits **3**

Required by **Honors Sequence**_____

Selective in _____

Elective in _____

General Education **Replaces MATH 112 in Honors Sequence** _____

Lecture _____ Lecture/Lab _**xxx**_ Contact hours lecture ___**3**____ Contact hours lab ___**1 to 2**_____

Current Catalog Description (include all prerequisites):

Properties and theorems of the real and complex number systems. Study of the function concept including inverse functions, graphing techniques, linear, quadratic, polynominal, exponential, and logarithmic functions. Solving systems of equations in two or more variables using matrices, determinants, and matrix algebra. MATH 095 or placement by means of ACT scores or university placement examination.

Proposed Catalog Description (include all prerequisites):

Prefixed to the above description: This course must satisfy the core requirements of MATH 112 as determined by the mathematics Program faculty, but The course will typically seek a focus ~~different from~~ beyond the standard MATH 112. This focus will be developed by the instructor and approved by the Honors Committee. Prerequisite: Acceptance in Honors Sequence, AND by means of ACT scores OR university placement examination OR consent of instructor.

Course Outcome Objectives:

The course outcome objectives will be the same as MATH 112, enhanced through, but not limited to, problem solving, mathematical modeling, laboratory activities, reading, and a research, writing, presentation component.

New instructional resources needed (including: library materials, special equipment, and facilities). Please note: approval does not indicate support for new faculty or additional resources.

-Computer laboratory classroom
-Appropriate Software and Computer Based Lab Equipment
-Library reference materials
-Will Depend on Instructor

DATE: February 14, 2000

TO: Curriculum Committee

FROM: Virginia Sluiter 2-14-00

RE: Proposal #99-15
Honors Math 112

1. Definition of focus: The center of activity and attention

2. Considering the intital writeup and the revised writeup:
Heretofore and in all references to focus therein, it is written . . . focus will be determined by the instructor and approved by the Honors Committee. And in that order, focus will be determined and approved. (In either document, 'instructor/approved by' was(is) not written in its converse form.)

3. Regarding approval in the College, please see draft minutes of the January 19, 2000, College of Arts and Sciences meeting. (Sending copy of these minutes to Chair, Bob Christeck)

PROCEDURAL SEQUENCE FOR ACADEMIC SENATE APPROVAL OF PROPOSALS

1. Submit all proposals to the Office of Academic Affairs.
2. The Senate President will log items and forward them to the appropriate Senate subcommittees.
3. The Senate subcommittee will send the proposal to the Senate.
4. Senate proposals will be considered by the Full Faculty.
5. If approved, the proposal will then be forwarded to the Vice Chancellor.

Proposals that require action to approve/disapprove/table or remand will be sent back to the Senate according to the monthly meeting schedule.

TITLE: Honors College Algebra (Honors Math 112)

SUBCOMMITTEE: **PROPOSAL #:** 99-15

This course is the mathematics component in the Honors Sequence. The course must satisfy the core requirements of Math 112 as determined by the Mathematics Program Faculty, but will typically seek a focus different from the standard Math 112. This focus will be determined by the instructor and approved by the Honors committee.

Rationale:

Action Signatures:

_____	_____
Submitter Date	College Chair/Dean Date
_____	
Committee Chair	Approve ____ Disapprove _____ Date ___
_____	
Faculty Senate President	Approve ____ Disapprove _____ Date ___
_____	
Vice Chancellor for Academic Affairs	Approve _____ Disapprove _____ Date ___
_____	
Chancellor	Approve ____ Disapprove _____ Date ___

Course Revision Form

NEW xxx_ DROPPED _____ MAJOR REVISION ___ INFORMATION ONLY ____

Department **College of Arts and Sciences** Program Area **Mathematics** Date: **12-1-1999**

Prefix **HON MATH** No. **112** Title **Honors College Algebra** _____ Credits **3**

Required by **Honors Sequence**_____

Selective in _____

Elective in _____

General Education **Replaces MATH 112 in Honors Sequence** _____

Lecture _____ Lecture/Lab _xxx_ Contact hours lecture ___3____ Contact hours lab ___**1 to 2**_____

Current Catalog Description (include all prerequisites):

Properties and theorems of the real and complex number systems. Study of the function concept including inverse functions, graphing techniques, linear, quadratic, polynominal, exponential, and logarithmic functions. Solving systems of equations in two or more variables using matrices, determinants, and matrix algebra. MATH 095 or placement by means of ACT scores or university placement examination.

Proposed Catalog Description (include all prerequisites):

Properties and theorems of the real and complex number systems. Study of the function concept including inverse functions, graphing techniques, linear, quadratic, polynominal, exponential, and logarithmic functions. Solving systems of equations in two or more variables using matrices, determinants, and matrix algebra. This course will typically seek a focus different from the standard MATH 112. This focus will be developed by the instructor and approved by the Honors Committee. Prerequisite: Placement by means of ACT scores **or** university placement examination **or** consent of instructor, **and** acceptance in Honors Sequence.

Course Outcome Objectives:

The students in this course will come to the class with the basic skills of college algebra (Math 112). The outcome objectives are to enhance and broaden those skills to include, but not limited to,

- problem solving
- mathematical modeling
- an appreciation of a deductive system
- mathematics as seeking the truth
- reading, research, writing, and presentation of mathematical ideas and concepts.

New instructional resources needed (including: library materials, special equipment, and facilities). Please note: approval does not indicate support for new faculty or additional resources.

-Computer laboratory classroom
-Appropriate Software and Computer Based Lab Equipment
-Library reference materials
-Will Depend on Instructor