

WINONA STATE UNIVERSITY
NOTIFICATIONS

Department Mathematics & Statistics Date 4/16/2013

If the proposed curricular change involves existing courses and is considered a Notification, complete and submit this form. Refer to Regulation 3-4, *Policy for Changing the Curriculum*, for complete information on submitting proposals for curricular changes.

Please check type of change(s):

Reduction in course number Change in grading option Change in hours or credits in an independent study course
 Change in course title Change in course description* Change in existing major, minor, option, concentration, etc.*
 Change in prerequisites Change in course number within level, e.g. 310 to 350 Change in delivery method

A. Current Course Information

MATH 130 Matrix Algebra 3
Course No. Course Title Credits

This proposal is for a(n) Undergraduate Course Graduate Course

Applies to Major Minor
 Required Required
 Elective Elective

Prerequisites MATH 120, Precalculus

Grading Grade only P/NC only Grade and P/NC Option

Frequency of offering Every Semester

Proposed Course Information. (Please indicate only proposed changes below.)

MATH 142 _____
Course No. Course Title Credits

Prerequisites MATH 112 or 115

Grading Grade only P/NC only Grade and P/NC Option

Frequency of offering _____

Effective date (normally the next semester) Fall 2013

B. *If the proposal requests a change in the course description, please attach a description of the change requested and list both the current and proposed course description. If the proposal requests a change in an existing major, minor, option, concentration, etc., please attach a description of the change(s) requested and list both the current and proposed program listings.

Approved by the Department [Signature] 9.4.13
Department Chair Date
hdeppa@winona.edu
e-mail address

Notification to the College Dean Yes No
Charles Smith 9/9/13
Dean of College Date

Presented at A2C2 meeting on 9/25/2013
Date Chair of A2C2

Presented at Graduate Council meeting on (if applicable) _____
Date Chair of Graduate Council

Submitted to Registrar on 9/26/2013
Date Registrar: Please notify department chair via e-mail that Notification has been recorded.

*If a dean has comments on a notification, the dean shall forward the comments to the department. [Revised 7-13-11]

Description of Changes to Catalog Description for MATH 130

Current Catalog Description: An introduction to matrix algebra and elementary vector spaces with an emphasis on computation. Prerequisite: MATH 120. Meets GOAL 4.

New Catalog Description: An introduction to matrix algebra, including row-reduction, matrix arithmetic, linear transformations, linear independence, and span. Emphasis is on conceptual understanding, computation, and applications. Prerequisite: MATH 112 or MATH 115. Meets GOAL 4.

Rationale for All Changes to MATH 130

1. **Changes to the Catalog Description:** remains unchanged in essence but is rendered in more detail and with greater clarity.
2. **Changes to the Course Number:** is changed to bring it into line with the recent renumbering system implemented for our MATH courses.
3. **Change in Prerequisites:** what was formerly MATH 120 (4 S.H.) has been split into MATH 115 (3 S.H.) and MATH 120 (3 S.H.). The non-trigonometry component, which is all that is needed for MATH 142, is contained within MATH 115, and this material is also covered with different emphasis in MATH 112. Hence, both of those courses would be satisfactory pre-requisites for MATH 142.