Course Change Request Form

1. Date: __October 3, 2013___ Department: ___Math and CIS________

2. Purpose and nature of change (include relevant assessment data to support this proposal): ____
   ____We are updating the course to emphasize the global nature of mathematics and meet the GE
   requirements for a Global course______

3. Old Prefix: ___MA______ Old Number: ____1117______ Old CIP: ____________
   New Prefix: ___MA_________ New Number: ____1117______ New CIP: ____________

4. Old Course Title: ___Mathematics and Cultures________
   New Course Title: ___Mathematics and World Cultures_____
   Abbreviated Title (for Master Schedule), Maximum 20 spaces
   MATH AND WORLD CULT.

   Complete only items below being changed

5. Credits (Place number of credits beside appropriate types)
   OLD Credit(s) _____ Undergraduate
   NEW Credit(s) _____ Undergraduate
   OLD Credit(s) _____ Graduate
   NEW Credit(s) _____ Graduate
   For variable credits, list Minimum Credit _____ Maximum Credits _____

6. OLD Clock Hours:  Lecture _____ Recitation _____ Lab _____
   NEW Clock Hours:  Lecture _____ Recitation _____ Lab _____
   OLD Contract Hours:  Lecture _____ Recitation _____ Lab _____
   NEW Contract Hours:  Lecture _____ Recitation _____ Lab _____

7. To repeat for additional credit (not repeat of previously earned grade), list maximum
   hours of credit that may be earned over multiple semesters ______ semester hours.

8. Course Description for Catalog (limit to four sentences):
   This course, intended for non-majors, explores the development of
   mathematics in many diverse societies. Working within the historical
   framework, the student is introduced to significant mathematical concepts
   and to the way that different peoples have thought about and explored these
   concepts. The motivation for, development of, and basic procedures of
   various branches of mathematics (including trigonometry, analytic geometry,
   calculus, probability and statistics, and Euclidean and non-Euclidean
   geometry) are investigated within their cultural contexts. No mathematical
   background is required beyond basic arithmetic.
9. Prerequisites: (Courses which MUST be completed prior to taking this course) ________
10. Co-requisites: (Courses which must be taken prior to or simultaneously with) ______________
11. If taught dual-level or cross-listed with another department, list:
Prefix _____  Number _____  Support Signature ____________________________________________
If dual-level, attach a document that indicates content, assignments and assessments for graduate and
undergraduate courses.
12. List Student Learning Outcomes and describe evaluative techniques for this course in the attached syllabus.
13. New faculty resources needed?  ____Yes   _X_ No
14. Requested date of offering (Must meet new catalog deadline of March 1) __Spring 2013__
15. Estimated Frequency of Offering:  ____Every semester________
16. List all programs that require this course.  Provide support from affected departments.
_________________________  _______________  _______________________
17. New Library Resources Needed?  ____Yes   _X_ No, if yes:
Signature of appropriate librarian indicating needs can be met:
__________________________________________
17. New Technology Resources Needed?  ____Yes   _X_ No  If yes:
Signature of Director of Information Technology indicating that needs can be met:

18. New Equipment resources needed?  ____Yes   _X_ No  If yes:
Describe Equipment: ________________________________________________________________
Source of funding: _________________________________________________________________
19. List 1 – 3 sample textbooks for this course:
__The Crest of the Peacock: Non-European Roots of Mathematics (George Joseph)__
__Mathematics across Cultures: The History of Non-Western Mathematics (Ubiratan
D’Ambrosio)__
__Mathematics for the Nonmathematician (Howard Eves)__
__Journey through Genius (William Dunham)__

20. Describe any student enrollment restrictions (limited to majors in program XXX, restricted from majors in
program XXX, etc.)

21. Request that Course be considered for General Education Credit. Please check
applicable boxes.
a.  ____ Satisfy Foundation of Knowledge Requirement
   i.  ____Written Communication
   ii.  ____Oral Communication
b.  ____ Satisfy Approaches of Knowledge Requirement
   i.  ____Humanities
   ii.  ____Mathematics
iii. ______Natural Sciences
iv. ______Social and Behavioral Sciences
c. _____ X _ Satisfy Unity and Diversity of Humanity
   i. ______Language other than English
   ii. _____ X ______ Western and Non Western Global Cultures
   iii. ______ Strand 1 Ethics and Civic Responsibility
   iv. ______ Strand 2 Environmental, Economic, Social, and Personal Sustainability
   v. ______ Strand 3 Arts and Human Experience

You must submit a separate application for General Education Credit.

22. Does this course impact any Education Programs? _____ Yes _____ No
   If Yes: Signature of Chair of TEC must appear below.

23. Special Needs, if any:

Recommendation Dates and Signatures:

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<th>Signature</th>
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<td>Department:</td>
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<td>TEC (if any education program):</td>
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<td>Gen’l Education Subcomm. (if necessary):</td>
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<td>Graduate Council (if necessary):</td>
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<td>Academic Affairs Committee:</td>
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MU Form A41C – Effective 4/1/01