COURSE ASSESSMENT REPORT

I. Background Information
1. Course assessed:
   Course Discipline Code and Number: MTH157
   Course Title: Practical Geometry and Trigonometry
   Division/Department Codes:

2. Semester assessment was conducted (check one):
   x Fall 2007
   ☐ Winter 20__
   ☐ Spring/Summer 20__

3. Assessment tool(s) used: check all that apply.
   ☐ Portfolio
   x Standardized test
   ☐ Other external certification/licensure exam (specify):
   ☐ Survey
   ☐ Prompt
   ☐ Departmental exam
   ☐ Capstone experience (specify):
   ☐ Other (specify):

4. Have these tools been used before?
   ☐ Yes
   x No

   If yes, have the tools been altered since its last administration? If so, briefly describe changes made.

5. Indicate the number of students assessed/total number of students enrolled in the course.
   29 / 46

6. Describe how students were selected for the assessment.
   Present in class on next-to-last session

II. Results
1. Briefly describe the changes that were implemented in the course as a result of the previous assessment.
   N/A

2. State each outcome (verbatim) from the master syllabus for the course that was assessed.
   Outcome #1: Find the perimeter, area, and volume of various geometric shapes.
   Outcome #2: Find lengths and angles in triangles.

3. Briefly describe assessment results based on data collected during the course assessment, demonstrating the extent to which students are achieving each of the learning outcomes listed above. *Please attach a summary of the data collected.*
   Assessment data results in 75.9% average of two outcomes.

4. For each outcome assessed, indicate the standard of success used, and the percentage of students who achieved that level of success. *Please attach the rubric/scoring guide used for the assessment.*
   Perimeter (P), Area (A), Volume (V) are grouped under outcome#1. %'s below represent % of 3+ students.
   Averages: P = 96.6% , A = 93.1% , V = 96.6%;   Triangle = 72.4%
   Average of averages = 89.7%
   Average of 3+ percents = 95.4%

   75% of the students will achieve an average of 3 or better on the assessment

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5. Describe the areas of strength and weakness in students' achievement of the learning outcomes shown in assessment results.

    Strengths: Outcome #1 – High functionality

    Weaknesses: Outcome #2 – Use of trigonometric functions in triangle solution

III. Changes influenced by assessment results

1. If weaknesses were found (see above) or students did not meet expectations, describe the action that will be taken to address these weaknesses.
    Practice solving triangles will be increased.

2. Identify intended changes that will be instituted based on results of this assessment activity (check all that apply). Please describe changes and give rationale for change.

    a. ☐ Outcomes/Assessments on the Master Syllabus
       Change/rationale:

    b. ☐ Objectives/Evaluation on the Master Syllabus
       Change/rationale:

    c. ☐ Course pre-requisites on the Master Syllabus
       Change/rationale:

    d. ☐ 1st Day Handouts
       Change/rationale:

    e. x Course assignments
       Change/rationale: More in-class problem solving and homework

    f. ☐ Course materials (check all that apply)
       ☐ Textbook
       ☐ Handouts
       ☐ Other:

    g. ☐ Instructional methods
       Change/rationale:

    h. ☐ Individual lessons & activities
       Change/rationale:

3. What is the timeline for implementing these actions?

IV. Future plans

1. Describe the extent to which the assessment tools used were effective in measuring student achievement of learning outcomes for this course.
    The assessment tool appears to be adequate.
2. If the assessment tools were not effective, describe the changes that will be made for future assessments.

3. Which outcomes from the master syllabus have been addressed in this report?
    All x   Selected _____
    If "All", provide the report date for the next full review: ___Fall semester 2011_____.

    If "Selected", provide the report date for remaining outcomes: _____.

Submitted by:

Name: ____David Goldberg_____   Date: 10/24/08
       Print/Signature

Please return completed form to the Office of Curriculum & Assessment, SC 247.
Approved by the Assessment Committee 10/10/06

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Department Chair: _Kristin Chatas /Krist Chat_   Date: _10.24.08_
   Print/Signature

Dean: _Martha Showalter   M. Showr_   Date: _10/28/08_
   Print/Signature