

**COURSE ASSESSMENT REPORT**

**I. Background Information**

1. Course assessed:  
 Course Discipline Code and Number: MTH 180  
 Course Title: Precalculus  
 Division/Department Codes: MTHD
  
2. Semester assessment was conducted (check one):  
 Fall 20\_\_  
 Winter 2012  
 Spring/Summer 20\_\_
  
3. Assessment tool(s) used: check all that apply.  
 Portfolio  
 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  
 No

If yes, have the tools been altered since its last administration? If so, briefly describe changes made.  
 No changes.

5. Indicate the number of students assessed and the total number of students enrolled in the course.  
 48 students assessed (180 total)
  
6. If all students were not assessed, describe how students were selected for the assessment. *(Include your sampling method and rationale.)*  
 8 tests were randomly selected from each of the 6 sections.

**II. Results**

1. Briefly describe the changes that were implemented in the course as a result of the previous assessment.  
 None.
  
2. List each outcome that was assessed for this report exactly as it is stated on the course master syllabus. *(You can copy and paste these from CurricUNET's WR report.)*  
 Outcome 1: Solve, graph and perform operations of the conic sections.  
 Outcome 2: Solve and perform operations and problem representations with sequences, series and binomial expansions.  
 Outcome 3: Graph, transform identities, and solve problem representations of trigonometric functions.
  
3. For each outcome that was assessed, indicate the standard of success exactly as it is stated on the course master syllabus. *(You can copy and paste these from CurricUNET's WR report.)*  
 75% of the students should score 75% or higher on the questions for each outcome.
  
4. Briefly describe assessment results based on data collected during the course assessment. Indicate the extent to which students are achieving each of the learning outcomes listed above and state whether the standard of success was met for each outcome. ***In a separate document, include a summary of the data collected and any rubrics or scoring guides used for the assessment.***  
 Based on the assessment data results, 75% of the students received a score of 3 or 4 on each question representing each course outcome.

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5. Describe the areas of strength and weakness in students' achievement of the learning outcomes shown in the assessment results. *(This should be an interpretation of the assessment results described above and a thoughtful analysis of student performance.)*

Strengths: Students met the course expectations.

Weaknesses: None

**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. *(If students met all expectations, describe your plan for continuous improvement.)*
  
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.  1<sup>st</sup> Day Handouts  
Change/rationale:
  
  - e.  Course assignments  
Change/rationale:
  
  - 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 questions evaluated accurately measured students' achievements for each outcome.
  
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:   Winter 2015  .  
If "Selected", provide the report date for remaining outcomes: \_\_\_\_\_.

**COURSE ASSESSMENT REPORT**

Submitted by:

Print: Diane Turelli Signature Diane Turelli Date: 8/14/12  
Faculty/Preparer

Print: Kristin Good Signature Kristin Good Date: 8/22/12  
Department Chair

Print: Martha Showalter Signature M Showalter Date: 8/27/12  
Dean/Administrator

Please return completed form to the Office of Curriculum & Assessment, SC 257.  
Revised July 2011

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**I. Background Information**

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 Course Title: Precalculus  
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2. Semester assessment was conducted (check one):  
 Fall 20\_\_  
 Winter 2008\_\_  
 Spring/Summer 20\_\_
  
3. Assessment tool(s) used: check all that apply.  
 Portfolio  
 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  
 No

If yes, have the tools been altered since its last administration? If so, briefly describe changes made.  
 The questions were revised based on a committee's recommendations.

5. Indicate the number of students assessed/total number of students enrolled in the course.  
 60
  
6. Describe how students were selected for the assessment.  
 randomly

**II. Results**

1. Briefly describe the changes that were implemented in the course as a result of the previous assessment.  
 None
  
2. List each outcome that was assessed for this report exactly as it is stated on the course master syllabus.  
 Solve and graph rational and higher order equations  
 Solve, graph, and perform operations and problem representations of exponential and logarithmic functions and conic sections  
 Solve and perform operations and problem representations with sequences, series, and binomial expansions  
 Graph, work with identities, and perform operations and problem representations of trigonometric functions
  
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.**  
 All of the outcomes had at least a 75% success rate.
  
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.**  
 1<sup>st</sup> outcome- 100% of the students scored a 4  
 2<sup>nd</sup> outcome- 90% of the students scored either a 3 or 4, 10% scored a 2  
 3<sup>rd</sup> outcome- 90% of the students scored either a 3 or 4, 10% scored a 2  
 4<sup>th</sup> outcome- 100% of the students scored either a 4 or a 3

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

Strengths: Students met the course expectations

Weaknesses: None

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.

NA

- 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. [ ] Course assignments
Change/rationale:

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 problems that students were asked to do demonstrated the students' levels of achievement and therefore the outcomes of the course.

- 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: ?

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

**COURSE ASSESSMENT REPORT**

Submitted by:

Print: Diane Turelli Signature Diane Turelli Date: 9-10-09  
Faculty/Preparer

Print: Justin Ghatas Signature Justin Ghatas Date: 9/10/09  
Department Chair

Print: M. Showalter Signature M. Showalter Date: SEP 28 2009  
Dean/Administrator