Spring 2017
Core Curriculum Assessment Results

of

Knowledge 1 – Mathematics, Social and Natural Sciences, Engineering and Technology

from the

Mathematics

Core Curricular Area

For more information about UA Little Rock Core Curriculum Assessment, please visit:
http://ualr.edu/facultysenate/councils-and-committees-of-the-faculty-senate/council-on-core-curriculum-and-policies/

Assessed Courses

Data for this report was collected from the following Core courses:

MATH 1302 College Algebra
MATH 1321 Quantitative and Mathematical Reasoning

Scoring Rubric

A five-point scoring rubric was used for all data reporting. The table below shows the five levels, the scores assigned to each level, and the general guidelines that Core Area Assessment Committees (CAAC) used to score collected artifacts.

Level	Score	"Assessment of this artifact indicates that the student…"
Advanced	4	**"… was successful at …**
Proficient	3	**"… attempted and was usually successful at …**
Novice	2	**"… attempted but was not always successful at …**
Not Met	1	**"… made little attempt at …**
Absent	0	**"… made no attempt at …**

Data Interpretation Method

The Results presented in this document are reported by Learning Outcome and by Teaching Modality. The arithmetic mean for each level (Advanced, Proficient, Novice, and Not Met) was calculated based on the total number of artifacts that scored at each level divided by the total number of artifacts scored overall, with the number of Absent level artifacts removed from the total.

$$[Level]\ Mean = \frac{Number\ of\ [Level]\ Artifacts\ Scored}{(Total\ Artifacts\ Scored - Number\ of\ \text{Absent}\ Artifacts\ Scored)}$$

The Results for each Learning Outcome and Teaching Modality are presented in tables, pie charts, and radar charts. Total percentages on tables and pie charts sum to 100%, and total values on radar charts sum to 1.0.

Comments

The following comments are specific items noted by the curricular area at the time of data reporting that may affect interpretation of the Results.

1. *The very detailed rubric aided reliability.*

2. *Math reported difficulty getting data from concurrent sections.*

Results

By Learning Outcome

The tables and charts in this section show the number of artifacts scored at each level for each Learning Outcome, regardless of Teaching Modality type. Absent values listed are artifacts that were collected but could not be scored.

Learning Outcome 1

Students will understand mathematical relationships among quantities.

Level	Number of Artifacts	Percentage
Advanced	60	55%
Proficient	20	18%
Novice	22	20%
Not Met	7	7%
Totals	**109**	**100%**

Absent	1

Learning Outcome 2

Students will understand fundamental mathematical/algebraic operations.

Level	Number of Artifacts	Percentage
Advanced	35	32%
Proficient	42	38%
Novice	25	23%
Not Met	8	7%
Totals	**110**	**100%**

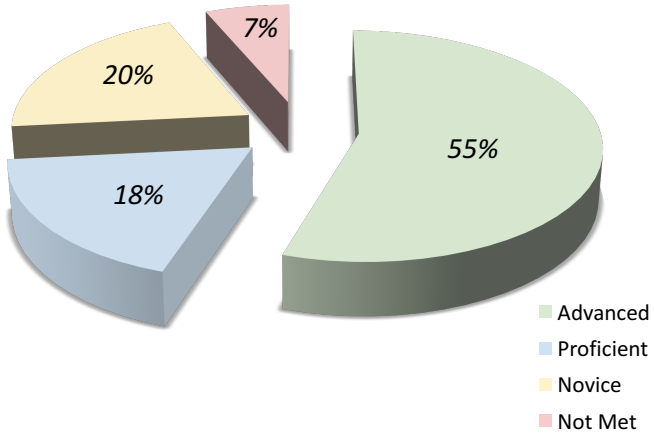
Absent	0

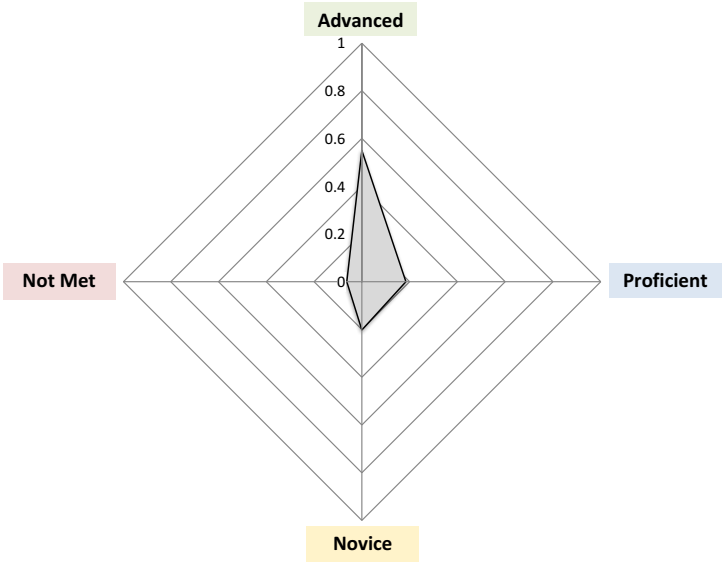
Results

By Learning Outcome

Learning Outcome 1

Students will understand mathematical relationships among quantities.



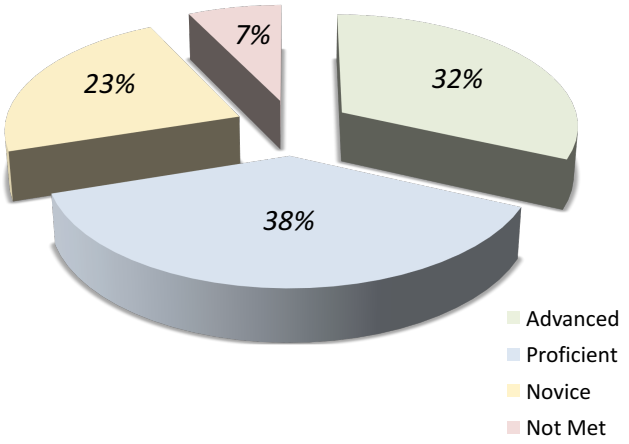


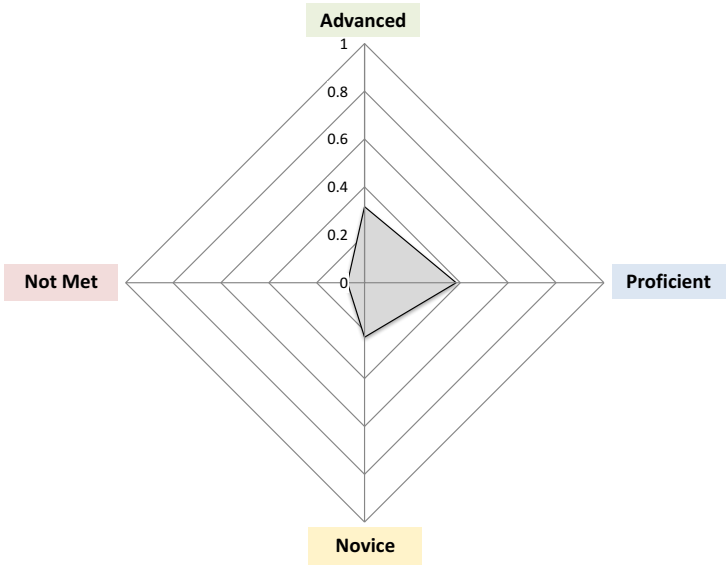
Results

By Learning Outcome

Learning Outcome 2

Students will understand fundamental mathematical/algebraic operations.





Results

By Teaching Modality

The tables and charts in this section show the number of artifacts scored at each level for each Teaching Modality, regardless of Learning Outcome type. Absent values listed are artifacts that were collected but could not be scored.

Face-to-face

Students were taught in a traditional face-to-face classroom setting.

Level	Number of Artifacts	Percentage
Advanced	67	44%
Proficient	44	29%
Novice	31	21%
Not Met	9	6%
Totals	**151**	**100%**

Absent	1

Online

Students were taught in an online teaching setting.

Level	Number of Artifacts	Percentage
Advanced	11	25%
Proficient	12	27%
Novice	15	34%
Not Met	6	14%
Totals	**44**	**100%**

Absent	0

Concurrent

High school students that are enrolled in UA Little Rock Core courses.

Level	Number of Artifacts	Percentage
Advanced	17	71%
Proficient	6	25%
Novice	1	4%
Not Met	0	0%
Totals	**24**	**100%**

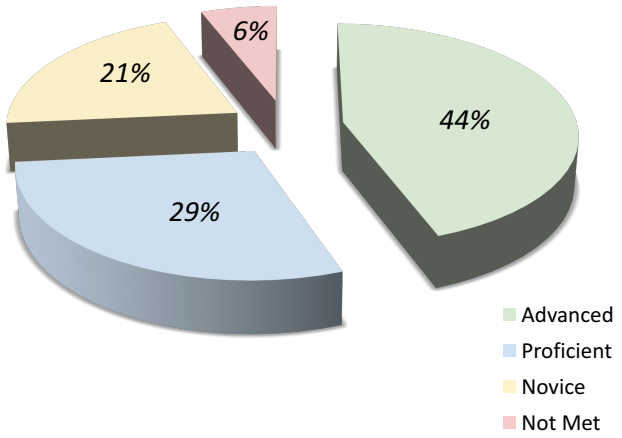
Absent	0

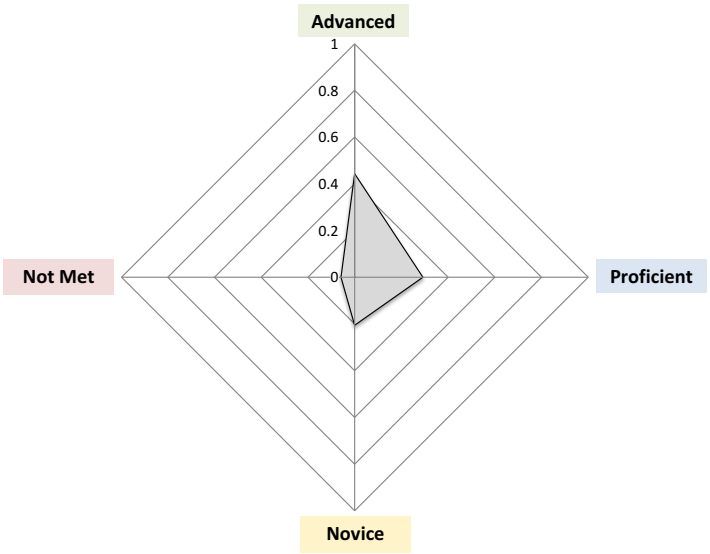
Results

By Teaching Modality

Face-to-face

Students were taught in a traditional face-to-face classroom setting.



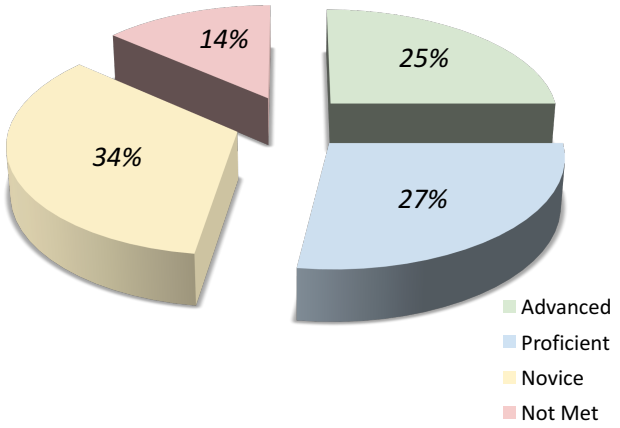


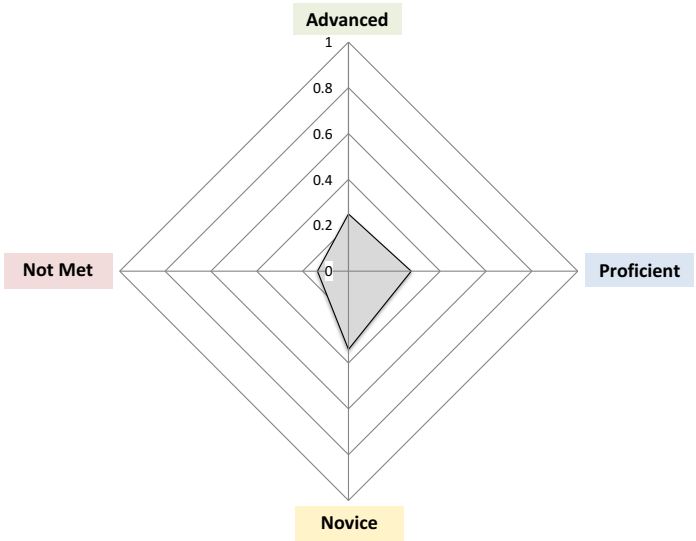
Results

By Teaching Modality

Online

Students were taught in an online teaching setting.





Results

By Teaching Modality

Concurrent

High school students that are enrolled in UA Little Rock Core courses.