

Spring 2018 Core Curriculum Assessment Results

of

Skills 2 - Critical Thinking

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.

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

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.

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 interpret, analyze, and identify appropriate applied math models, data and graphs.

Level	Number of Artifacts	Percentage
Advanced	540	66.8%
Proficient	44	5.4%
Novice	141	17.4%
Not Met	84	10.4%
Totals	809	100%

Absent	58
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Learning Outcome 2

Students will develop abstract and quantitative reasoning ability.

Level	Number of Artifacts	Percentage
Advanced	319	40%
Proficient	119	14.9%
Novice	180	22.6%
Not Met	179	22.5%
Totals	797	100%

Absent	68
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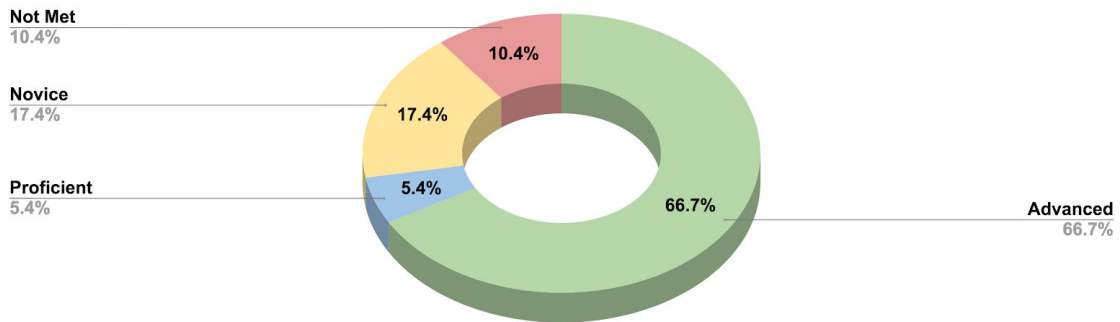
Results

By Learning Outcome

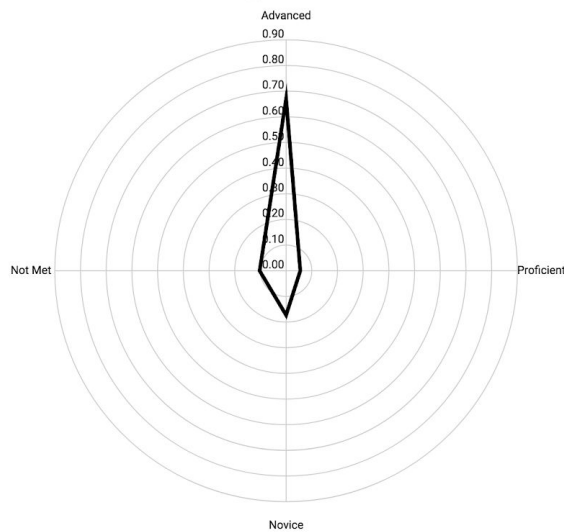
Learning Outcome 1

Students will interpret, analyze, and identify appropriate applied math models, data and graphs.

Learning Outcome 1



Learning Outcome 1



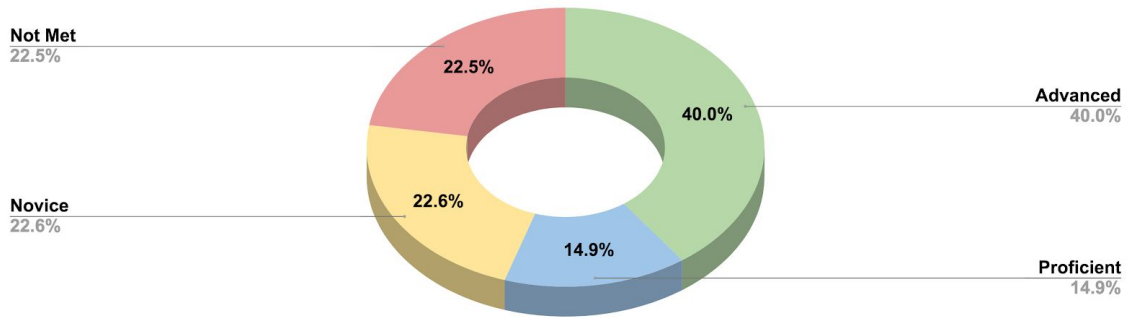
Results

By Learning Outcome

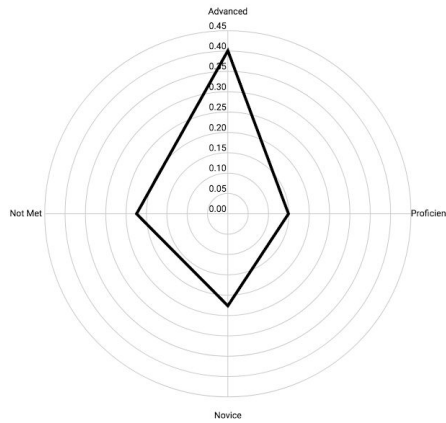
Learning Outcome 2

Students will develop abstract and quantitative reasoning ability.

Learning Outcome 2



Learning Outcome 2



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	300	40.5%
Proficient	93	12.6%
Novice	182	24.6%
Not Met	165	22.3%
Totals	740	100%
Absent	74	

Online

Students were taught in an online teaching setting.

Level	Number of Artifacts	Percentage
Advanced	43	50%
Proficient	10	11.6%
Novice	19	22.1%
Not Met	14	16.3%
Totals	86	100%
Absent	24	

Concurrent

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

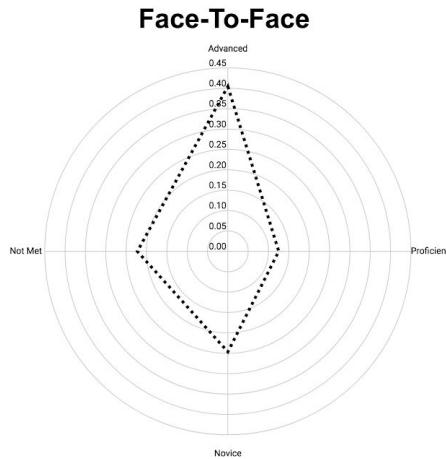
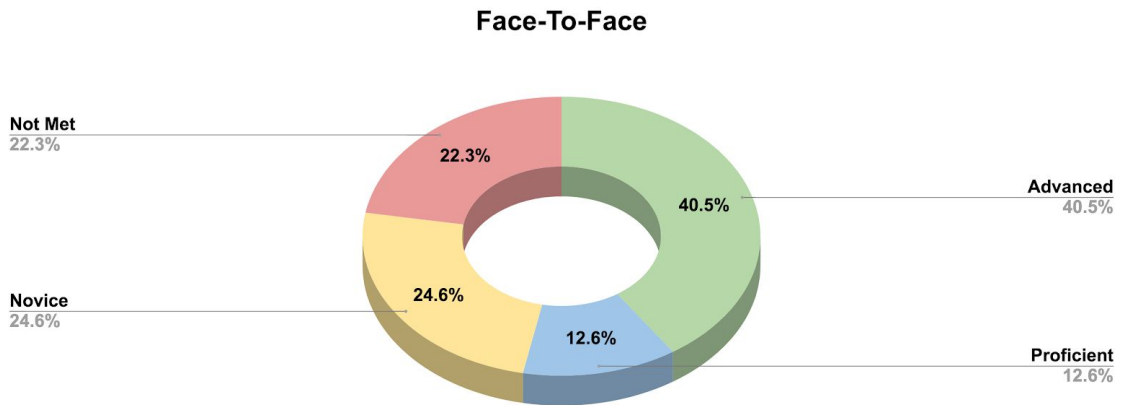
Level	Number of Artifacts	Percentage
Advanced	516	66.1%
Proficient	60	7.7%
Novice	120	15.4%
Not Met	84	10.8%
Totals	780	100%
Absent	28	

Results

By Teaching Modality

Face-to-face

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

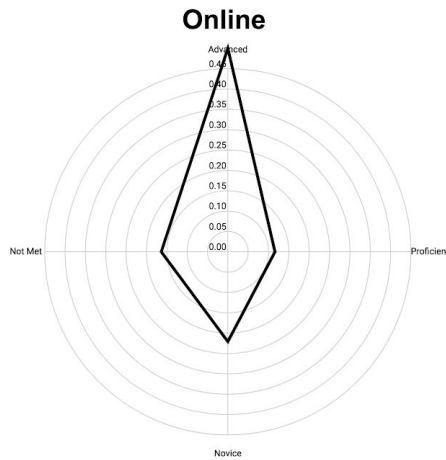
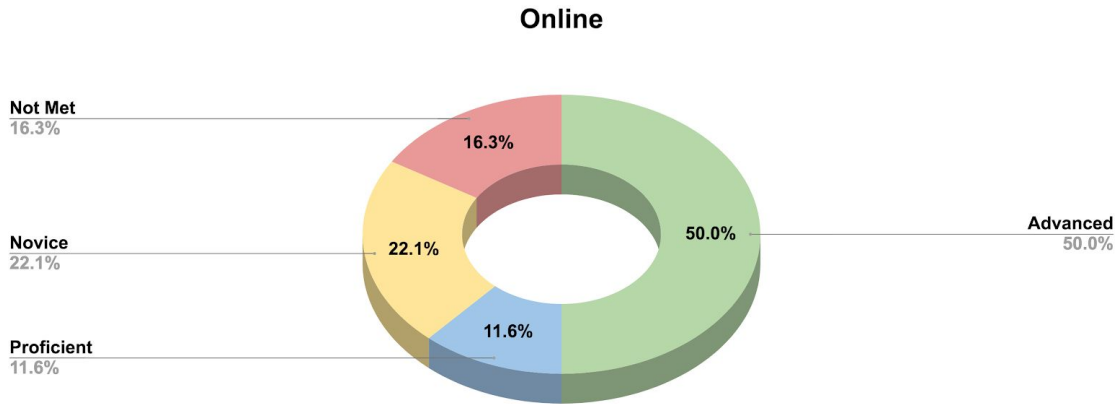


Results

By Teaching Modality

Online

Students were taught in an online teaching setting.

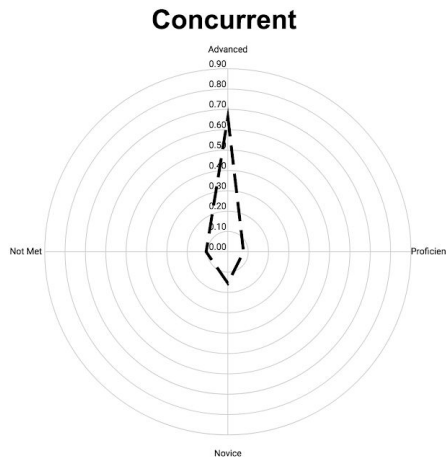
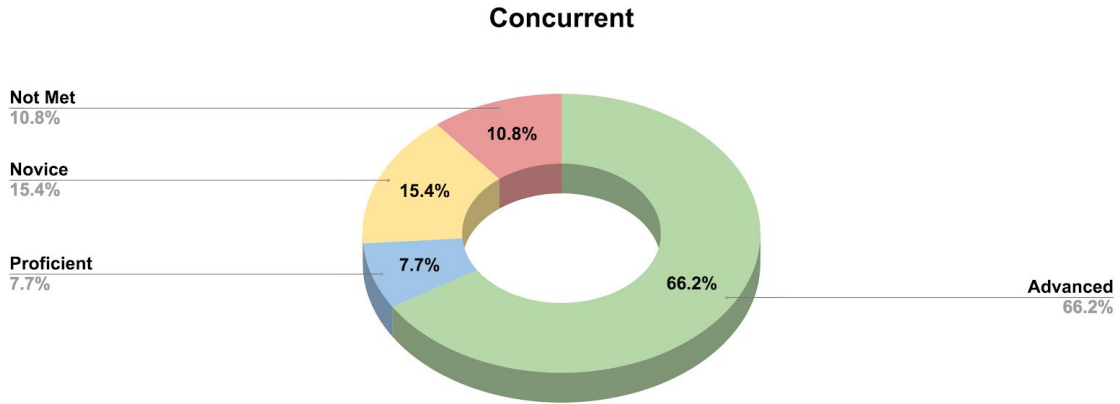


Results

By Teaching Modality

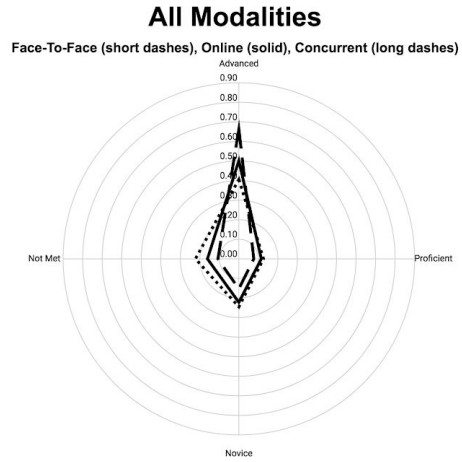
Concurrent

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



Results

All Modalities



END OF REPORT