



Factbook for the Department of Mathematics and Physical Science			
Metric	Result (Scale 1 – 5)		
	2012	2013	2014
Progress on Relevant Objectives Adj. (A)	n.r	3.79	3.7
Overall Ratings Excellent Teacher Adj. (B)	n.r	4.14	4.3
Overall Ratings Excellent Course Adj. (C)	n.r	3.85	3.9
Average of B and C Adj.	n.r	4.01	4.1
Summary Evaluation (Average of A and D) Adj.	n.r	4.05	3.9

Results by Learning Objective: Scale 1- 5 (1-lowest, 5-highest), blanks indicate course is part of a course rotation system and not offered every year.

1. Demonstrate computational and analytical fluency.

			2014	2013
COURSE NUMBER		COURSE TITLE	IDEA #21	IDEA #21
MA	2054	Calculus I	3.75	3.9
MA	2153	Calculus II	n.r	3.8
MA	3013	Elementary Statistics	3.4	3.1
MA	3303	Introduction to Number Theory	2.3	n.r
PS	2113/1	University Physics I with Lab	n.r	3.2
Average			1.9	3.2

2. Solve problems using inductive, deductive, and quantitative reasoning.

			2014	2013
COURSE NUMBER		COURSE TITLE	IDEA #22	IDEA #22
MA	2054	Calculus I	3.5	3.2
MA	2153	Calculus II	n.r	3.9
MA	3013	Elementary Statistics	3.6	3.0
MA	3303	Introduction to Number Theory	2.0	n.r
PS	2113/1	University Physics I with Lab	n.r	3.0
Average			1.87	3

3. Construct logical arguments and written proofs.

			2014	2013
COURSE NUMBER		COURSE TITLE	IDEA #23	IDEA #23
MA	3303	Introduction to Number Theory	2.2	n.r

4. Recognize and appreciate the interconnection of various fields in mathematics.

			2014	2013
COURSE NUMBER		COURSE TITLE	IDEA #24	IDEA #24
MA	2054	Calculus I	3.6	3.7
MA	2153	Calculus II	n.r	3.4
NS	3013	Research and Technical Writing	4.2	n.r
NS	4993	Senior Seminar	4.3	3.5
Average			4.25	3.5

5. Apply mathematical content and methodology to other disciplines.

			2014	2013
COURSE NUMBER		COURSE TITLE	IDEA #11	IDEA #11

MA	3013	Elementary Statistics	3.9	3.4
NS	3013	Research and Technical Writing	3.8	n.r
NS	4993	Senior Seminar	3.4	2.5
PS	2113/1	University Physics I with Lab	n.r	4.3
Average			2.78	3.4

6. Communicate mathematical knowledge effectively both in verbal and written format. 2014 2013

COURSE NUMBER	COURSE TITLE	IDEA #28	IDEA #28
MA	2054	Calculus I	3.5
MA	2153	Calculus II	n.r
MA	3013	Elementary Statistics	n.r.
MA	3303	Introduction to Number Theory	2.6
NS	3013	Research and Technical Writing	3.7
NS	4993	Senior Seminar	4.1
Average			3.47

7. Use appropriate technology as a tool to solve mathematical problems. 2014 2013

COURSE NUMBER	COURSE TITLE	IDEA #29	IDEA #29
MA	2054	Calculus I	3.95
MA	2153	Calculus II	n.r
MA	3013	Elementary Statistics	n.r
Average			1.32

8. Work both independently and collaboratively on mathematical problems. 2014 2013

COURSE NUMBER	COURSE TITLE	IDEA #25	IDEA #25
MA	2054	Calculus I	3.8
MA	2153	Calculus II	n.r
MA	3013	Elementary Statistics	n.r
Average			1.27

9. Organize, analyze, and interpret data. 2014 2013

COURSE NUMBER	COURSE TITLE	IDEA course rating average	IDEA course rating average
MA	2054	3.45	3.5
MA	2153	n.r	4.7
MA	3013	3.0	3.5
NS	3013	4.2	n.r
NS	4993	2.8	3.5
Average		3.33	3.5

10. Synthesize ideas, generate questions and hypotheses, and find evidence to support or refute those hypotheses. 2014 2013

COURSE NUMBER	COURSE TITLE	IDEA #31	IDEA #31
MA	3013	3.7	2.9
MA	3303	2.5	n.r
NS	3013	3.4	n.r
NS	4993	4.0	3.6
Average		3.4	3.6

Other Assessment Measures

	2012	2013	2014
Senior Seminar Grade Average (out of 4.0)	2.784	2.765	3.11
Reaction papers in MA 3413			
Lab reports and projects MA 2054			

Lab reports and projects PS 2111