Name: Bruce, Juliette Emmy SIS ID: 0005319662

Campus ID: 9071602230 Birthdate: 12/19/1991 Print Date: 11/04/2019

Institution Info: University of Wisconsin-Madison

Other Institutions Attended

Univ of Michigan at Ann Arbor Ann Arbor, MI USA

External Degrees

Univ of Michigan at Ann Arbor Bachelor of Science 05/01/2014

Degrees Awarded

Degree: Master of Arts-Mathematics

Confer Date: 05/15/2016 Major: Mathematics

Beginning of Graduate Record

Fall 2014-2015

Program: Mathematics Mathematics PHD Major:

Session: Regular (09/02/2014 - 12/12/2014) **Course Description** <u>Attempted</u> Earned Grade **Points** MATH 748 Algebraic Number Theory 3.000 3.000 12.000 Α MATH 851 Topics-Geometric Topology 3.000 3.000 Α 12.000 MATH 863 Adv Topics-Algebraic Geom 3.000 3.000 Α 12.000 **Points GPA** <u>Attempted</u> Earned **GPA Units** UW-Madison Term Summary: 4.000 9.000 9.000 9.000 36.000 Adv Stg Term Summary: N/A 0.000 0.000 0.000 0.000 Combined Term Summary: N/A 9.000 9.000 9.000 36.000 **GPA** Attempted Earned **GPA Units Points** UW-Madison Cum Summary: 4.000 36.000 9.000 9.000 9.000 Adv Stg Cum Summary: N/A 0.000 0.000 0.000 0.000

Spring 2014-2015

N/A

9.000

9.000

Attempted Earned Grade

9.000

36.000

Points

Combined Cum Summary:

Program: Mathematics Major: Mathematics PHD

Session: Regular (01/20/2015 - 05/08/2015) <u>Course</u> Description

144TH 750	1						12.000
MATH 752	Introductory Topology II 3.000 3.000 A						
MATH 845	Class Field Theory 3.000 3.000 A						
MATH 863	Adv Topics-Algebraic Geom 3.000 3.000 A						
MATH 867	Analytic Number Theory 3.000 3.000 A						
MATH 941	Seminar-Algebra		3	3.000	3.000	Α	12.000
		GPA	Attempted	Earne	d GP/	A Units	Points Points
	UW-Madison Term Summary:	4.000	15.000	15.00	0	15.000	60.000
	Adv Stg Term Summary:	N/A	0.000	0.00	0	0.000	0.000
	Combined Term Summary:	N/A	15.000	15.00	0	15.000	60.000

	<u>GPA</u>	Attempted	Earned	GPA Units	<u>Points</u>
UW-Madison Cum Summary:	4.000	24.000	24.000	24.000	96.000
Adv Stg Cum Summary:	N/A	0.000	0.000	0.000	0.000
Combined Cum Summary:	N/A	24.000	24.000	24.000	96.000

Summer 2015

Mathematics Program: Mathematics PHD Major:

Session: DHH (06/	/15/2015 - 08/09/2015)					
Course	Description		Attem	pted Ear	ned Grade	<u>Points</u>
MATH 990	Reading and Resear	Reading and Research			000 S	0.000
		<u>GPA</u>	Attempted	Earned	GPA Units	<u>Points</u>
	UW-Madison Term Summary:	0.000	3.000	3.000	0.000	0.000
	Adv Stg Term Summary:	N/A	0.000	0.000	0.000	0.000
	Combined Term Summary:	N/A	3.000	3.000	0.000	0.000
		<u>GPA</u>	Attempted	Earned	GPA Units	<u>Points</u>
	UW-Madison Cum Summary:	4.000	27.000	27.000	24.000	96.000
	Adv Stg Cum Summary:	N/A	0.000	0.000	0.000	0.000
	Combined Cum Summary:	N/A	27 000	27 000	24 000	96 000

Fall 2015-2016

Program: Mathematics Mathematics PHD Major:

Session: Regular (09/02/2015 - 12/15/2015) Earned Grade **Points** Course Attempted MATH 750 Homological Algebra 3.000 3.000 AB 10.500 MATH 823 Adv Topics-Complex Analysis 3.000 3.000 Α 12.000 MATH 844 Elliptic Curves&Modular Forms 3 000 3 000 Α 12.000 MATH 865 Advanced Topics in Geometry 3.000 0.000 DR 0.000 Course Dropped: 09/16/2015 MATH 941 Seminar-Algebra 12.000 3.000 3.000 MATH 990 Reading and Research 3.000 3.000 S 0.000 **GPA Attempted Earned GPA Units Points** UW-Madison Term Summary: 3.875 15.000 15.000 12.000 46.500 Adv Stg Term Summary: N/A 0.000 0.000 0.000 0.000 Combined Term Summary: N/A 15.000 15.000 12.000 46.500 <u>GPA</u> **Points Attempted** Earned **GPA Units** UW-Madison Cum Summary: 3.958 42.000 42.000 36.000 142.500 0.000

N/A

N/A

0.000

42.000

0.000

42.000

0.000

36.000

142.500

Adv Stg Cum Summary:

Combined Cum Summary:

Name: Bruce,Juliette Emmy SIS ID: 0005319662

Mathematics Phi	Program:	Spring Mathematics	g 2015-2016	6				GPA Attempted Earned GPA Units	<u>Points</u>
Maje	Major:	Mathematics PHD							
Program Prog								· · · · · · · · · · · · · · · · · · ·	202.500
Session Regular (01/19/016-05060016)									
MATH 951	Course MATH 746	<u>Description</u> Topics in Ring Theo	ıry	3	3.000 3.0	000 A	12.000	Major: Mathematics PHD	
VM-Madision Term Summany:	MATH 851	Topics-Geometric To	ometric Topology 3.000 3.000 A 12.000			000 A	12.000		Points
Adv Stg Tem Summary: NA		UW-Madison Term Summarv:						MATH 740 Enum Combinatrcs/Symmet 3.000 0.000 DR	
UW-Madison Cum Summary: 3.969 4.000 5.000 1.000 1.000 0.0									12.000
Program: Mathematics Ma		Adv Stg Cum Summary:	3.969 N/A	54.000 0.000	54.000 0.000	48.000 0.000	190.500 0.000	UW-Madison Term Summary: 4.000 3.000 3.000 3.000 Adv Stg Term Summary: N/A 0.000 0.000 0.000	12.000 0.000
Session: DHH (06/13/2016 - 08/07/2016)		Sum Mathematics		0.11000	0.1000	10.000	.00000	UW-Madison Cum Summary: 3.972 63.000 63.000 54.000 Adv Stg Cum Summary: N/A 0.000 0.000 0.000	214.500 0.000
Course Description Attempted Earned Grade Points Major: Mathematics PHD Mathematics MIN								Summer 2017	
MATH 990 Reading and Research 3.000 3.000 S 0.000 Minor: Mathematics MIN									
W			rob						
Adv Stg Term Summary:	WATH 990	· ·	<u>GPA</u>	Attempted	Earned	GPA Units	<u>Points</u>		
UW-Madison Cum Summary: Say Sa		Adv Stg Term Summary:	N/A	0.000	0.000	0.000	0.000		
UW-Madison Curn Summary: 3.969				3.000	3.000	0.000	0.000		
Program: Mathematics Mathe			GPA					MATH 990 Reading and Research 3.000 3.000 S	0.000
Major: Mathematics PHD Mathematics PHD Mathematics MIN Mathematics Major: Mathematics Major: Mathematics PHD Major: Mathematics PHD Major: Mathematics PHD Minor: Mathematics MIN Ma		Adv Stg Cum Summary:	3.969 N/A	Attempted 57.000 0.000	<u>Earned</u> 57.000 0.000	GPA Units 48.000 0.000	Points 190.500 0.000	MATH 990 Reading and Research 3.000 3.000 S UW-Madison Term Summary: 0.000 3.000 3.000 6PA Units UW-Madison Term Summary: 0.000 3.000 3.000 0.000 Adv Stg Term Summary: N/A 0.000 0.000 0.000	0.000 Points 0.000 0.000
Session: Regular (09/06/2016 - 12/15/2016)		Adv Stg Cum Summary: Combined Cum Summary:	3.969 N/A N/A	Attempted 57.000 0.000	<u>Earned</u> 57.000 0.000	GPA Units 48.000 0.000	Points 190.500 0.000	MATH 990 Reading and Research 3.000 3.000 S UW-Madison Term Summary: 0.000 3.000 3.000 0.000 Adv Stg Term Summary: N/A 0.000 0.000 0.000 Combined Term Summary: N/A 3.000 3.000 0.000	0.000 Points 0.000 0.000 0.000
Description Attempted Earned Grade Points Major: Mathematics PHD Minor: Mathematics MIN	Major:	Adv Stg Cum Summary: Combined Cum Summary: Fall 2 Mathematics Mathematics PHD	3.969 N/A N/A	Attempted 57.000 0.000	<u>Earned</u> 57.000 0.000	GPA Units 48.000 0.000	Points 190.500 0.000	MATH 990 Reading and Research 3.000 3.000 S UW-Madison Term Summary: 0.000 3.000 3.000 3.000 0.000 Adv Stg Term Summary: N/A 0.000 0.000 0.000 0.000 Combined Term Summary: N/A N/A 3.000 3.000 0.000 UW-Madison Cum Summary: Adv Stg Cum Summary: N/A 3.972 66.000 66.000 54.000 Adv Stg Cum Summary: N/A 0.000 0.000 0.000	0.000 Points 0.000 0.000 0.000 0.000 Points 214.500 0.000
MATH 941 Seminar-Algebra 3.000 3.000 A 12.000 GPA	Major:	Adv Stg Cum Summary: Combined Cum Summary: Fall 2 Mathematics Mathematics PHD	3.969 N/A N/A	Attempted 57.000 0.000	<u>Earned</u> 57.000 0.000	GPA Units 48.000 0.000	Points 190.500 0.000	MATH 990 Reading and Research 3.000 3.000 S UW-Madison Term Summary: 0.000 3.000 3.000 0.000 Adv Stg Term Summary: N/A 0.000 0.000 0.000 Combined Term Summary: N/A 0.000 0.000 0.000 UW-Madison Cum Summary: N/A 0.000 0.000 0.000 GPA Attempted Earned GPA Units UW-Madison Cum Summary: 3.972 66.000 66.000 54.000 Adv Stg Cum Summary: N/A 0.000 0.000 0.000 Combined Cum Summary: N/A 66.000 66.000 54.000	0.000 Points 0.000 0.000 0.000 0.000 Points 214.500 0.000
UW-Madison Term Summary: 4.000 3.000 3.000 12.000 Session: Regular (09/06/2017 - 12/13/2017) Adv Stg Term Summary: N/A 0.000 0.000 0.000 Course Description Attempted Earned Grade Points	Major: Minor: Session: Regular (Course	Adv Stg Cum Summary: Combined Cum Summary: Fall 2 Mathematics Mathematics PHD Mathematics MIN (09/06/2016 - 12/15/2016) Description	3.969 N/A N/A	Attempted 57.000 0.000 57.000	Earned 57.000 0.000 57.000	GPA Units	Points 190.500 0.000 190.500	MATH 990 Reading and Research 3.000 3.000 S UW-Madison Term Summary: 0.000 3.000 3.000 0.000 Adv Stg Term Summary: N/A 0.000 0.000 0.000 0.000 Combined Term Summary: N/A 3.000 3.000 0.000 UW-Madison Cum Summary: Adv Stg Cum Summary: N/A 0.000 0.000 54.000 Adv Stg Cum Summary: N/A 0.000 0.000 0.000 Combined Cum Summary: N/A 66.000 66.000 54.000 Fall 2017-2018 Program: Mathematics Major: Mathematics PHD	0.000 Points 0.000 0.000 0.000 0.000 Points 214.500 0.000
	Major: Minor: Session: Regular (Course	Adv Stg Cum Summary: Combined Cum Summary: Fall 2 Mathematics Mathematics PHD Mathematics MIN (09/06/2016 - 12/15/2016) Description	3.969 N/A N/A 2016-2017	Attempted 57.000 0.000 57.000 Attem 3	Earned 57.000 0.000 57.000 spted Earned 0.000 3.000 3.000 3.000 3.000 3.000 3.000 57.000	GPA Units	Points 190.500 0.000 190.500 Points 12.000	MATH 990 Reading and Research 3.000 3.000 S UW-Madison Term Summary: 0.000 3.000 3.000 0.000 Adv Stg Term Summary: N/A 0.000 0.000 0.000 0.000 Combined Term Summary: N/A 3.000 3.000 0.000 UW-Madison Cum Summary: Adv Stg Cum Summary: N/A 0.000 0.000 54.000 Adv Stg Cum Summary: N/A 0.000 0.000 0.000 Combined Cum Summary: N/A 66.000 66.000 54.000 Fall 2017-2018 Program: Mathematics Major: Mathematics PHD	0.000 Points 0.000 0.000 0.000 0.000 Points 214.500 0.000

Name: Bruce,Juliette Emmy SIS ID: 0005319662

	UW-Madison Term Summary: Adv Stg Term Summary: Combined Term Summary: UW-Madison Cum Summary: Adv Stg Cum Summary: Combined Cum Summary:	GPA 4.000 N/A N/A GPA 3.974 N/A N/A	Attempted 3.000 0.000 3.000 Attempted 69.000 0.000 69.000	Earned 3.000 0.000 3.000 Earned 69.000 0.000 69.000	GPA Units 3.000 0.000 3.000 GPA Units 57.000 0.000 57.000	Points 12.000 0.000 12.000 Points 226.500 0.000 226.500	Session: Regular (09/05/2018 - 12/12/2018) Attempted Earned Grade Course Description Attempted Earned Grade E P D 690 Special Topics in E P D 2.000 2.000 A Course Topic: Inclusive Prac in Uni Class Seminar-Algebra 1.000 1.000 A MATH 941 GPA Attempted Earned GPA Units UW-Madison Term Summary: 4.000 3.000 3.000 3.000	Points 8.000 4.000 Points 12.000
Program:	Spring Mathematics	2017-201	8				Adv Stg Term Summary: N/A 0.000 0.000 0.000 Combined Term Summary: N/A 3.000 3.000 3.000	0.000 12.000
Major: Minor:	Mathematics PHD Mathematics MIN						UW-Madison Cum Summary: 3.976 78.000 78.000 63.000 Adv Stg Cum Summary: N/A 0.000 0.000 0.000 Combined Cum Summary: N/A 78.000 78.000 63.000	Points 250.500 0.000 250.500
Session: Regular (Course	(01/23/2018 - 05/04/2018) <u>Description</u>		Attem	noted Ear	ned Grade	<u>Points</u>	Spring 2018-2019	
INTEGSCI 660	Research Mentor Tr	aining			000 DR	0.000	Program: Mathematics	
MATH 941	urse Dropped: 02/14/2018 Seminar-Algebra		3	3.000 3.	000 A	12.000	Major: Mathematics PHD Minor: Mathematics MIN	
	UW-Madison Term Summary: Adv Stg Term Summary: Combined Term Summary:	GPA 4.000 N/A N/A	Attempted 3.000 0.000 3.000	Earned 3.000 0.000 3.000	3.000 0.000 3.000	Points 12.000 0.000 12.000	Session: Regular (01/22/2019 - 05/03/2019) Course Description Attempted Earned Grade	<u>Points</u>
		GPA	Attempted	Earned	GPA Units	Points	MATH 941 Seminar-Algebra 3.000 3.000 S	0.000
	UW-Madison Cum Summary: Adv Stg Cum Summary: Combined Cum Summary:	3.975 N/A N/A	72.000 0.000 72.000	72.000 0.000 72.000	60.000 0.000 60.000	238.500 0.000 238.500	UW-Madison Term Summary: GPA 0.000 Attempted 3.000 Earned 3.000 GPA Units 0.000 Adv Stg Term Summary: N/A 0.000 0.000 0.000 Combined Term Summary: N/A 3.000 3.000 0.000	Points 0.000 0.000 0.000
D		mer 2018					GPA Attempted Earned GPA Units	<u>Points</u>
Program: Major: Minor:	Mathematics Mathematics PHD Mathematics MIN						UW-Madison Cum Summary: 3.976 81.000 81.000 63.000 Adv Stg Cum Summary: N/A 0.000 0.000 0.000 Combined Cum Summary: N/A 81.000 81.000 63.000	250.500 0.000 250.500
							Summer 2019	
Course	7/18/2018 - 08/12/2018) <u>Description</u>		Attem	npted Ear	ned Grade	<u>Points</u>	Program: Mathematics Major: Mathematics PHD	
MATH 990	Reading and Resea		3	3.000 3.	000 S	0.000	Minor: Mathematics MIN	
	UW-Madison Term Summary: Adv Stg Term Summary: Combined Term Summary:	<u>GPA</u> 0.000 N/A N/A	Attempted 3.000 0.000 3.000	Earned 3.000 0.000 3.000	GPA Units 0.000 0.000 0.000	Points 0.000 0.000 0.000	Session: DHH (06/17/2019 - 08/11/2019) Course Description Attempted Earned Grade	<u>Points</u>
		<u>GPA</u>	Attempted	Earned	GPA Units	Points	MATH 990 Reading and Research 3.000 3.000 S	0.000
	UW-Madison Cum Summary: Adv Stg Cum Summary: Combined Cum Summary:	3.975 N/A N/A	75.000 0.000 75.000	75.000 0.000 75.000	60.000 0.000 60.000	238.500 0.000 238.500	UW-Madison Term Summary: GPA (0.00) Attempted (0.00) Earned (0.00) GPA (0.00) Units (0.00) 0.000	Points 0.000 0.000 0.000
Program:	Fall 2 Mathematics	2018-2019					GPA Attempted Earned GPA Units	<u>Points</u>
Major: Minor:	Mathematics PHD Mathematics MIN						UW-Madison Cum Summary: 3.976 84.000 84.000 63.000 Adv Stg Cum Summary: N/A 0.000 0.000 0.000 Combined Cum Summary: N/A 84.000 84.000 63.000	250.500 0.000 250.500

Name: Bruce, Juliette Emmy SIS ID: 0005319662

Fall 2019-2020

Program: Mathematics Major: Mathematics PHD Minor: Mathematics MIN

Session: Regular (09/04/2019 - 12/11/2019)

<u>Course</u>	<u>Description</u>		<u>Attem</u>	<u>pted</u> Ear	ned <u>Grade</u>	<u>Points</u>
MATH 941	Seminar-Algebra		3	.000 0.	000	0.000
		<u>GPA</u>	<u>Attempted</u>	Earned	GPA Units	<u>Points</u>
	UW-Madison Term Summary:	0.000	3.000	0.000	0.000	0.000
	Adv Stg Term Summary:	N/A	0.000	0.000	0.000	0.000
	Combined Term Summary:	N/A	3.000	0.000	0.000	0.000
		<u>GPA</u>	Attempted	Earned	GPA Units	<u>Points</u>
	UW-Madison Cum Summary:	3.976	87.000	84.000	63.000	250.500
	Adv Stg Cum Summary:	N/A	0.000	0.000	0.000	0.000
	Combined Cum Summary:	N/A	87.000	84.000	63.000	250.500

Graduate Career Totals

Advanced Standing Credits: 0.000 Cum Credits: 84.000 Cum GPA Credits: 63.000

Cum Grade Points: 250.500 GPA: 3.976

Non-Course Milestones

Program: Mathematics

Graduate PhD Minor Program Completed Status: Completed Date Completed: 05/06/2016

Date Attempted: 05/06/2016 Completed

Graduate Preliminary Exam Passed Completed Status: Date Completed: 02/29/2016

Date Attempted: 02/29/2016 Completed

Graduate PhD/DMA Major Requirements Completed

Status:

Completed 05/06/2016

Date Completed: Date Attempted: 05/06/2016 Completed

Memoranda

02-05-2016 Grade changed in MATH 990 (1162) from P to S work completed: 2015-12-15 02-17-2017 Grade changed in MATH 941 (1172) from P to A work completed: 2016-12-21 01-02-2019 Grade changed in MATH 941 (1192) from NR to A

work completed: 2018-12-20

End of Graduate-Unofficial Transcript