# Teaching Portfolio

Prepared by Braden Czapla June 11, 2018

## **Contents** i Contents Teaching Experience 1 1 1.2 1 **Teaching Statement** $\mathbf{2}$ 3 Diversity Statement 3 Teaching Evaluations 4 4.1 4 4.2 5 4.3 5 5 Professional Development 10 6 Awards and Recognition 11

### **Teaching Experience**

## 1.1 Teaching Assistantships

### Columbia University

- Fall 2018
  - Course title: Heat Transfer
  - Instructor of Record: Arvind Narayanaswamy
  - Responsibilities:
- Fall 2017
  - Course title: Senior Design I
  - Instructor of Record: Fred Stolfi
  - Responsibilities:
- Fall 2013
  - Course title: Introduction to Mechanics of Fluids
  - Instructor of Record: Sinisa Vukelic
  - Responsibilities:

#### University of Rochester

- Spring 2013
  - Course title: Thermodynamics
  - Instructor of Record: John. H. Thomas
  - Responsibilities:
- Fall 2012
  - Course title: Introduction to Fluid Dynamics
  - Instructor of Record: John. H. Thomas
  - Responsibilities:

# 1.2 Mentoring

# Section 2

# **Teaching Statement**

# Section 3

# **Diversity Statement**

## **Teaching Evaluations**

# 4.1 Summary of Numerical Scores

Catagony	Fluid Mechanics	Senior Design I	Heat Transfer
Category	(n=23)	(n = 1)	(n=15)
Overall Quality	4.78	5.00	4.93
Overall Quality	0.52	0.00	0.26
Knowledgability	4.70	-	4.93
Tillowledgability	0.56	-	0.26
Approachability	4.78	5.00	4.93
Арргоаспавшту	0.42	0.00	0.26
Availability	4.65	-	4.80
Availability	0.57	-	0.41
Communication	4.78	-	4.87
Communication	0.52	-	0.35
Organization and	-	5.00	-
Preparation	-	0.00	-
Classroom Delivery	-	5.00	-
Classicolli Delivery	-	0.00	-

# 4.2 Summary of Written Feedback

## 4.3 Unredacted Evaluations

Fall 2013 - Introduction to Fluid Mechanics **♥COURSEWORKS@COLUMBIA Program Evaluation System** Title: Fall 2013 MECE Final Evaluation Dates: 12/02/2013 - 12/09/2013 Course: MECEE3100\_001\_2013\_3 Responses: 23/38 - 60.53% Instructors: Braden Edward Czapla, Sinisa Vukelic Enrollment of Registered students: 38 Enrollment of All Students: 38 TA Graph Report for: Braden Edward Czapla 6 Does this TA communicate effectively in N=22 **Overall Quality** N=23 english? 1 Poor **22** (100%) 1 Yes 2 Fair 0 (0%) 2 No 1 (4%) 3 Good Median 1 Interpolated Median 1.00 **3** (13%) 4 Very Good **19** (83%) 5 Excellent Median 5 Interpolated Median 4.89 Mean 4.78 Std Dev 0.52 Knowledgeability 1 Poor 0 (0%) 2 Fair 0 (0%) 3 Good 1 (4%) 5 (22%) 4 Very Good 5 Excellent Median 5 Interpolated Median 4.82 Mean 4.70 Std Dev 0.56 3 Approachability N=23 0 (0%) 1 Poor 2 Fair 0 (0%) 0 (0%) 3 Good 4 Very Good 5 Excellent **18** (78%) Median 5 Interpolated Median 4.86 Mean 4.78 Std Dev 0.42 Availability N=23 1 Poor 0 (0%) 0 (0%) 2 Fair 1 (4%) 3 Good 6 (26%) 4 Very Good 5 Excellent **16** (70%) Median 5 Interpolated Median 4.78 Mean 4.65 Communication N=23 1 Poor 0 (0%) 2 Fair 0 (0%) 1 (4%) 3 Good 4 Very Good 3 (13%) 5 Excellent **19** (83%) Median 5 Interpolated Median 4.89 Mean 4.78

### Fall 2017 - Senior Design I

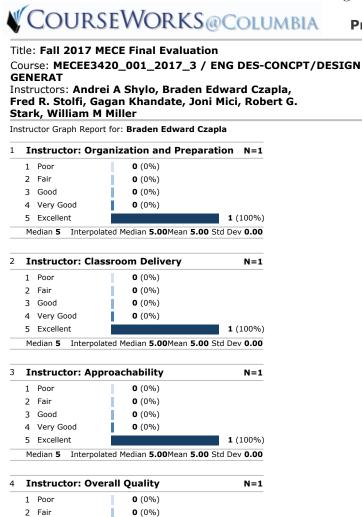
**Program Evaluation System** 

Dates: 12/04/2017 - 12/14/2017

Responses: 8/55 - 14.55%

Enrollment of All Students: 55

Number of Participants: 55



	5	Exceller	nt				<b>1</b> (100%)
_	М	edian <b>5</b>	Interpolate	ed Median	<b>5.00</b> Mean	<b>5.00</b> Std	Dev <b>0.00</b>
5			ou nomii S Disting				N=1
	1	Yes					<b>1</b> (100%)
	2	No		0 (0	%)		
_	М	edian <b>1</b>	Interpolate	ed Median	1.00		

0 (0%)

0 (0%)

3 Good4 Very Good

## Spring 2018 - Heat Transfer



## **Program Evaluation System**

Title: Spring 2018 MECE Final Evaluation
Course: MECEE3311\_001\_2018\_1 / HEAT TRANSFER

**Instructors: Arvind Narayanaswamy** 

Dates: **04/23/2018 - 05/03/2018**Responses: **15/60 - 25.00%**Number of Participants: **60** 

Enrollment of All Students: 60

1	0	verall	Quality		N=15
	1	Poor		0 (0%)	
	2	Fair		<b>0</b> (0%)	
	3	Good		<b>0</b> (0%)	
	4	Very G	Good	<b>1</b> (7%)	
	5	Excelle	ent		<b>14</b> (93%
	Мє	edian <b>5</b>	Interpolat	ed Median <b>4.96</b> Mean <b>4.</b> 9	93 Std Dev 0.26
2	Kı	nowle	dgeabilit	v	N=15
	1	Poor		0 (0%)	
	2	Fair		<b>0</b> (0%)	
	3	Good		<b>0</b> (0%)	
	4	Very G	Good	<b>1</b> (7%)	
	5	Excelle		_ (: .s)	<b>14</b> (93%
	Me	edian <b>5</b>	Interpolat	ed Median <b>4.96</b> Mean <b>4.</b>	
3		222	-b-bility		N_1E
_	_		chability		N=15
	1	Poor		<b>0</b> (0%)	
	2	Fair Good		<b>0</b> (0%)	
	3	Very G	`ood	<b>0</b> (0%) <b>1</b> (7%)	
	5	Excelle		1 (7%)	<b>14</b> (93%
		edian <b>5</b>		ed Median <b>4.96</b> Mean <b>4.</b>	
4	A	vailabi	ility		N=15
	1	Poor		<b>0</b> (0%)	
	2	Fair		<b>0</b> (0%)	
	3	Good		<b>0</b> (0%)	
	4	Very G		<b>3</b> (20%)	
	5	Excelle			12 (80%
_	Me	edian <b>5</b>	Interpolat	ed Median <b>4.88</b> Mean <b>4.</b>	<b>80</b> Std Dev <b>0.41</b>
5	Co	ommu	nication		N=15
	1	Poor		0 (0%)	
		F-1-		<b>0</b> (0%)	
	2	Fair			
	2	Good		0 (0%)	

1 Yes 2 No 0 (0%) 3 N/A 0 (0%)	.00%
_ (0.0)	
3 N/A 0 (0%)	
3 N/A (070)	
Median 1 Interpolated Median 1.00	



#### **Program Evaluation System**

Title: Spring 2018 MECE Final Evaluation
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Responses: 15/60 - 25.00%

Enrollment of Registered Students:60

Enrollment of All Students:60

TA Comments Report for: Braden Edward Czapla

#### Q1 Comments

- Braden is without a doubt the best TA I've had through my Columbia Undergraduate education. He is what all other TA's should strive to be. He really does go above and beyond to ensure everyone in the class is on the same page and will not hesitate to take time out of his schedule to help you one on one. He's extremely responsive over email, very approachable and friendly, and above all, he really does seem to care about his students. I only wish that Braden could be a TA for some of my other classes!

Thanks Braden for everything. You are literally the best!

- Best TA I have ever had at Columbia. If Braden becomes a professor, his students will be blessed to have him.
- I've never had a better TA at Columbia. Really went above and beyond what was required of him in terms of helping students.
- Best TA I've had! Amazing! Would not be doing well without him.
- Braden was a fantastic TA. He had the material down, and always explained it very well. He really complemented the lectures well; when the latter left us wondering how to apply the material to an actual problem, he would show us methods and procedures to solve it. He was also very friendly and personable, which counts for a lot.
- Braden was the best TA! He was very good at putting Arvind's lectures into a digestible overview during each recitation and review session. Also, in office hours he would help you get to the answer instead of just giving you the answer which is a very underestimated trait. It was also clear that he cared about us and his TAing of our class. His communication was excellent with regard to answering emails, being clear about response time before our project was due, and answering questions in office hours. Thanks for helping us get through heat transfer!
- Braden is one of the best TAs that I have had in my undergraduate studies. He is very knowledgeable about the course material and is always able to answer my questions effectively. He is also very approachable and communicates well.
- Braden is by far the best TA I have ever had, period. I wish he could have taught me this course. He helped me access the material in a way the professor was unable to. He was incredibly knowledgeable, extremely patient, and very understanding. I think everyone in our course said at one point, "I love Braden," or "Thank god for Braden." If TGFB didn't catch on, another take-home quiz would have made it happen. Braden's recitations helped me more than all the lectures combined. He was always very prepared and organized the material for us so that we could see the big picture and understand the steps. He brought engaging real-world examples to the table and his sparkling sense of humour inevitably kept the mood light. Give him an award.



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Enrollment of All Students:60

#### TA Comments Report for: Braden Edward Czapla

- Super helpful and resourceful even outside of office hours. Made a tough class easier to understand
- VERY helpful. Quick to respond to email and office hours were very helpful throughout the semester.
- honestly so good at explaining everything and super patient and overall one of the best TAs ever. u rock ur gonna do great things after u graduate in the fall good luck
- Really helped fill the gaps that were there.
- Great job! Very helpful. Maybe having a few more office hours would make it perfect, but I understand that you have enough on your plate. It's just that having office hours at the same time on MW or TR might mean trouble for some students.

# Section **5**

## **Professional Development**

## Section $\bf 6$

## **Awards and Recognition**