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AWM KU Student Chapter 2020-2021 Activity Report

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Brief History

The Association for Women in Mathematics (AWM) is a non-profit organization founded in 1971. Through the initiative and leadership of Prof. Bozenna Pasik- Duncan, the KU Student Chapter is the third student chapter in the country to be formed. The formation of this organization was officially approved on 24 May 2004 by Prof. Suzanne Lenhart, the Chairman of the AWM Committee on Student Chapters.

The purpose of the AWM at KU is to promote a friendly environment for all graduates and undergraduates interested in mathematics.

The purpose of the Association for Women in Mathematics is to encourage women to study and to have active careers in the mathematical sciences, and to promote equal opportunity and the equal treatment of women and girls in the mathematical sciences.

Student Officers & Faculty Advisors

2020-2021 Academic Year

Position	Name	Last Name	E-mail
President	Sefika	Kuzgun	sefika.kuzgun@ku.edu
Vice President	Amanda	Wilkens	awilkens@ku.edu
Secretary	Abba	Ramadan	aramadan@ku.edu
Position	Name	Last Name	E-mail
Liaison-Economics	Jinyan	Li	jeannie_0314@ku.edu
Position	Name	Last Name	E-mail
Faculty Advisor	Bozenna	Pasik-Duncan	bozenna@ku.edu
Faculty Advisor	Margeret	Bayer	marge.bayer@ku.edu
Faculty Advisor	Agnieszka	Miedlar	a.miedlar@ku.edu
Faculty Member	Tyrone	Duncan	duncan@ku.edu

Summary of Activities, Fall 2020

Under the Covid-19 circumstances, AWM meetings were held on zoom throughout the 2020/2021 academic year. Following you can see the list of speakers.

Tuesday Meetings, Fall 2020

Time	Speaker	Title
September 29	Folashade Augusto	"To isolate or not to isolate: The impact of human behaviour on the transmission of Covid-19"
October 13	Dominique Duncan	"Studying the brain and Covid-19 using multi-modal data and large-scale data archives"
October 27	Barbara Ballard	"The importance of voting"
November 10	Kristy Gilpin & Megan O'Bryne	"Conversation with representatives from Allstate"
November 17	Yannan Shen	"Nonlinear wave in transmission Lattice Metamaterial"

Smith Colloquium joint Meetings, Fall 2020

Time	Speaker	Title
October 8	Glenn Shafer	"Testing by betting and the randomness of risk"
November 5	Linda Bushnell	"Vehicle network security and resiliency analysis of the controller area network protocol"
November 12	Dawn Tilbury	"Convergence research addressing societal challenges: The central role of systems and control"

Graduate Student Zoom Coffee Times, Fall 2020

During the academic year 2020/2021, graduate students experienced lack of communication with each other, as well as with professors. With the help of these meetings, we aimed at addressing this issue and offering a partial solution.

These meetings offered graduate students a safe environment for sharing productive ideas in a relatively informal setting. Each meeting had a previously set concept so that it could attract graduate students who are interested in sharing opinions in that

particular concept. Every graduate student who joined these meetings had a chance to share with others.

Time	Concept
October 9	"The effect of Covid-19 on graduate education"
October 23	"Hobbies of graduate students in mathematics"
November 10	"How the job application process works?" -Last year graduate students invited to share experiences.
November 20	"How the semester went for you?"

Summary of Activities, Spring 2021

Tuesday Meetings, Spring 2021

Time	Speaker	Title
February 23	Alec Knutsen	"A conversation with Alec Knutsen"
March 2	Caterina Scoglio	"Network-based models of infectious disease transmission"
March 16	Molly Shor	"What makes a technology startup fundable?"
March 23	Barbara Ballard	"A conversation with Dr. Barbara Ballard"
March 30	Huazhen Fang & Sophia La Torella	"Best Practices: Outreach for local communities and excellence in leadership "
April 6	Barbara A. Bichelmeyer	"A conversation with Barbara A. Bichelmeyer"
April 13	Magdalena Toda	"Elastic energies of p-Willmore type, and real-world applications"
April 20	Karen Panetta	"Ai for humanitarian efforts"
April 27	Donna K. Ginther	"COVID and the Kansas economy"

Teaching Matters Seminar, Spring 2021

With switching online education, the teaching practices have changed during the last year. The aim of this meeting is to share best practices and experiences of teaching, online teaching in particular to help ease this transition. This meeting was co-organized by Professors Margaret Bayer & Bozena Pasik-Duncan

Time	Speaker	Title
February 1		Organizational meeting
February 8	Lindsey Weiland Jila Niknejad	"COVID-19 and KAP" "COVID-19 and calculus"
February 15		"Discussion on calculus courses, gateway exams, and calculus resources"

Time	Speaker	Title
February 22	Sarah Louise Browne Daniel James	"Innovative Teaching - Flipping the 115 Classroom" "Designing Backward to Move Forward: How Backward Design Is Transforming My Teaching"
March 1	Sefika Kuzgun Abba Ibrahim Ramadan Lucian Grand	"Advantages and disadvantages of online tools" "Teaching experience and challenges"
March 8	Margaret Bayer	"Writing in upper division math courses"
March 15	Agnieszka Miedlar	"International experience in studies and academic careers of mathematicians"
March 22		"Discussion on challenges and opportunities in teaching math courses for non-math major students"
March 29	Erik Perrins Ken Demarest	"A conversation with engineering professors"
April 5	Jila Niknejad	"Our practices of giving computerized gateway exams"
April 12	Matthew Verleger	"Always be changing: The ABCs of teaching"
April 19	Jeremy Martin	"My experiences with using inquiry-based learning in upper-division math classes"
April 26	Thomas Mahoney Chad Wiley	"An introduction to mastery grading"
May 3		"Discussion: Reflections from Teaching Matters meetings"