

ANTHONY MENDES

Education

2004	Ph.D.	Mathematics	University of California, San Diego
2000	B.S.	Mathematics	University of California, Irvine

Employment

2015–now	Professor	Cal Poly, San Luis Obispo
2010–2015	Associate Professor	Cal Poly, San Luis Obispo
2004–2010	Assistant Professor	Cal Poly, San Luis Obispo

Publications

1. Position sequences and a q -analogue for the modular hook length formula. With S. Lindbloom-Airey. *Electron. J. Combin.*, 26(4), P4.18, 17 pp. 2019
2. The combinatorics of rim hook tableaux. *Australas. J. Combin.*, 73:, 132–148. 2019
3. A note on the k^{th} tensor product of the defining representation. M. Romero. *J. Comb.*, 7(4):715–724. 2016
4. Counting with symmetric functions. With J. Remmel. *Springer* (292 page book), ISBN: 978-3-319-23617-9. 2015
5. Guessing games. With K. Morrison. *Amer. Math. Monthly*, 121(1):33–44. 2014
6. Hook and content bijections. *Discrete Math.*, 313(2):182–185. 2013
7. Permutations with k -regular descent patterns. With A. Riehl and J. Remmel. Permutation patterns, 259–285, *London Math. Soc. Lecture Note Ser.*, 376, Cambridge Univ. Press, Cambridge. 2010
8. Descents, inversions, and major indices in permutation groups. With J. Remmel. *Discrete Math.*, 308(12):2509–2524. 2008
9. A note on alternating permutations. *Amer. Math. Monthly*, 114(5):437–440. 2007
10. Generating functions for statistics on $C_k \wr S_n$. With J. Remmel. *Sem. Lothar. Combin.*, 54A:Art. B54 At, 40 pp. 2007
11. Bijective matrix algebra. With N. Loehr. *Linear Algebra Appl.*, 416(2-3):917–944, 2006
12. Permutations and words counted by consecutive patterns. With J. Remmel. *Adv. in Appl. Math.*, 37(4):443–480. 2006

13. A λ -ring Frobenius characteristic for $G \wr S_n$. With J. Remmel and J. Wagner. *Electron. J. Combin.*, 11(1):Research Paper 56, 33 pp. 2004

Courses

<i>Course</i>	<i># Sections</i>	<i>Last taught</i>
Math 117 Precalculus Algebra II	1	Fall 2007
Math 118 Precalculus	1	Summer 2006
Math 141 Calculus I	9	Fall 2016
Math 142 Calculus II	16	Winter 2020
Math 143 Calculus III	15	Fall 2019
Math 206 Linear Algebra I	2	Spring 2019
Math 241 Calculus IV	8	Fall 2017
Math 242 Differential Equations	1	Winter 2016
Math 244 Linear Analysis I	13	Fall 2018
Math 248 Methods of Proof	1	Winter 2008
Math 306 Linear Algebra II	4	Spring 2019
Math 335 Graph Theory	2	Fall 2015
Math 336 Combinatorics	6	Fall 2018
Math 341 Number Theory	3	Spring 2018
Math 344 Linear Analysis II	8	Winter 2019
Math 351 Latex Typesetting	2	Winter 2018
Math 406 Linear Algebra III	1	Spring 2017
Math 412 Real Analysis	1	Winter 2006
Math 418 Partial Differential Equations	1	Fall 2007
Math 437 Game Theory	10	Spring 2017
Math 459 Senior Seminar	6	Fall 2019
Math 481 Abstract Algebra I	4	Winter 2020
Math 482 Abstract Algebra II	2	Winter 2011
Math 530 Discrete Mathematics I	5	Fall 2017
Math 531 Discrete Mathematics II	5	Winter 2018

Recognition

- University Distinguished Teaching Award, 2017
- Cal Poly Math Club faculty member of the year, 2005, 2011 and 2015
- Engineering Student Council outstanding achievement in teaching, 2008