

CURRICULUM VITAE

Dr. Khalid Abdulaziz Hulayan Al-Shammari
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I AM CURRENTLY:

DIRECTOR OF THE PREP-YEAR MATHEMATICS PROGRAM
PHONE : 860-1636, FAX: 860-2716
BUILDING 58-3006

Education:

- Ph.D in Mathematics from Louisiana State University (Thesis on Discontinuous Differential Equations), LSU, 2006.
- M.S. in Mathematics, LSU, 2000.
- M.S. in Mathematics with a GPA of 3.333 on a scale of 4.0 (Thesis on Fuzzy Group Theory), KFUPM, 1998.
- B.S. in Mathematics (with Honors), KFUPM, 1995.

Academic Positions and Teaching Experience:

- 2006-continue Assistant Professor, Department of Mathematics and Statistics, KFUPM.
- 2000-2003 Teaching Assistant, Department of Mathematics at Louisiana State University (LSU).
- 1995-1998 Teaching Assistant, Department of Mathematical Sciences, KFUPM.

Courses Taught:

- Calculus
- Business Calculus

- Mathematics: Algebra and Trigonometry

Committees:

- 2006-2007: Book Translation Committee
- 2006-2007: Faculty Affairs Committee
- 2006-2009: Math-Olympiad Committee
- 2007-2008: Awareness Committee

Research Interests: Discontinuous Differential Equations, Real Analysis

PhD Dissertation: Filippov's Operator and Discontinuous Differential Equations

M.S. Thesis: An Annulus Approach to Fuzzy Subgroups

Publications:

1. K. Alshammari, "Filippov's operator and some of its properties in \mathbb{R}^n ", International Conference on Mathematics and Statistics, Athens, Greece 2006.
2. K. Alshammari, "A study of almost everywhere singleton valued Filippov's", Fourth Pacific Rim Conference on Mathematics, Hong Kong 2007.
3. M.A. El-Gebeily, K. Alshammari, and D.O'Regan, "Existence and quasilinearization in Banach spaces", In Progress.

Research Projects:

1. Solutions to Discontinuous Differential Equations (Junior Faculty Research Grant), 2007, Completed.
2. Existence and Quasilinearization in Banach Spaces (Junior Faculty Research Grant) 2008, Completed.

Conference Attendance:

The Education Project in Bahrain, 15-17 October 2009

- The 6th UAE MATH DAY in Abu-Dhabi, April 2008.
- The Fourth Pacific Rim Conference on Mathematics in Hong Kong, December 2007.
- International Conference on Mathematics and Statistics, Athens, Greece, June 2006.
- The 6th Annual Meeting in Control Theory, Las Vegas, Nevada, December 2002.
- The First Meeting of Saudi Association for Mathematical Sciences (SAMS), King Saud University, Riyadh, March 1994.

Seminars:

1. On the Absolutely Continuous Functions (Two Parts), KFUPM, May 2008.
2. Solutions to Discontinuous Differential Equations, KFUPM, May 2007.
3. Filippov's Operator and Some of its Properties in \mathbb{R}^n , KFUPM, December 2006.
4. Solutions to Differential Inclusions (Two Parts), LSU, April 2002.
5. On the Distribution Function, LSU, April 2000.
6. Lagrange's Contribution to Sciences, Part of Math 405, KFUPM, 1994.
7. Conformal Mapping and its Applications, Part of Math 499, KFUPM, 1995.
8. Fuzzy Subsets and their Applications, Part of Math 599, KFUPM, 1996.

Workshops:

1. "The Analysis Day", KFUPM, January 2010
2. "Developing Academic Leadership", KFUPM, June 2009
3. "Basics of WebCT", KFUPM, April 2008.
4. "Building Your Academic Portfolio", KFUPM, February 2007.
5. "Effective Use of Collaborative Learning in the Classroom", KFUPM, September 2006.
6. "Teaching Mathematics in the Prep-Year", KFUPM, September 2006.
7. "On Matrix Theory and its Application", KFUPM, December 1997.