

Curriculum Vitae

Khim Raj Shrestha, Ph. D.

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Education

- **MS, PhD**, Mathematics (Complex Analysis), Syracuse University, Syracuse NY, 2015.
- **Postgraduate Diploma**, Mathematics, International Centre for Theoretical Physics (ICTP), Italy, 2007.
- **BA, MA**, Mathematics, Tribhuvan University, Nepal.

Awards

1. Outstanding Teaching Assistant Award 2015 (Awarded by the Graduate School of Syracuse University for the excellence in teaching.)
2. Donald E. Kibbey Prize, Syracuse University, 2015 (It is awarded for excellence in the Ph.D. program and for excellent doctoral dissertation.)

Experience

- **Instructional Assistant Professor**, Texas A&M University Galveston Campus, Galveston, TX, 2022 –.
- **Assistant Professor of Mathematics**, Philander Smith College (PSC), Little Rock, AR, 2017 – 2022.
- **Assistant Professor of Mathematics**, University of Great Falls (UGF), Great Falls, MT, 2015 – 2017. (Now called University of Providence.)
- **Teaching Assistant**, Syracuse University, Syracuse NY, 2008–2015.
- **High School Mathematics Faculty**, Nepal, 2003–2006.

Courses Taught

At Texas A&M University at Galveston Campus I am teaching the following courses.

- i. MATH 147 Calculus I for Biological Sciences
- ii. MATH 150 Functions, Trigonometry and Linear Systems
- iii. MATH 151 Engineering Mathematics I

I have taught the following courses over the course of my teaching career.

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| i. Algebra and Trigonometry | viii. Linear Algebra |
| ii. Elementary Statistics | ix. Modern Algebra |
| iii. Life Science Calculus | x. Discrete Mathematics |
| iv. Calculus I | xi. Real Analysis |
| v. Calculus II | xii. Topology and Differential Geometry |
| vi. Calculus III | xiii. High school mathematics courses (abroad) - Algebra, Arithmetic, Geometry, Trigonometry, Probability |
| vii. Differential Equations | |

Research Interests

Complex Analysis, Weighted Hardy Spaces, Poletsky–Stessin Hardy Spaces etc.

Publications

1. *Weighted Hardy Spaces on the Unit Disk*, Complex Analysis and Operator Theory, Vol 9 (2015), 1377-1389.
2. *On Weighted Hardy Spaces on the Unit Disk (with Prof. E. A. Poletsky)*, Banach Center Publications, Vol 107 (2015), 195 - 204.
3. *Hardy Spaces on the Polydisk*, European Journal of Pure and Applied Mathematics, Vol 9, No 3 (2016), 292 - 304.
4. *Weighted Likelihood-based Approach to Hierarchical Clustering* (Joint work with Dr. Milan Bimali), Advances and Application in Statistics, Vol 66, No 2 (2021), 209 - 226.

Training

- FAC 102: Teaching Online for Faculty workshop 2021 offered by Strategic Education Inc. and University Partnership.