
ANURADHA VADREVVU

Curriculum Vitae

Lecturer

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EDUCATION:

- August 2002 Master of Science in Mathematics, Mississippi State University, USA.
- June 1998 Bachelor of Engineering in Electronics and Telecommunication, Vasavi College of Engineering, Hyderabad, India.

EMPLOYMENT:

- August 2017- Present Lecturer, Mathematical Sciences,
University of Alabama, Huntsville, AL, USA
- August 2016-2017 Instructor, Department of Mathematics
Alabama A&M University, Normal, AL, USA
- August 2010 – 2016 Associate Professor, Department of Mathematics,
Prince George’s Community College, Largo, Maryland, USA
- August 2005 - 2010 Lecturer, Department of Mathematical Sciences,
Kent State University, Salem, Ohio, USA
- August 2002 - 2005 Instructor, Department of Mathematics & Computer Science,
Valdosta State University, Valdosta, Georgia, USA
- Jan 2001 - July 2002 Graduate Teaching Assistant, Department of Mathematics and Statistics,
Mississippi State University, Starkville, Mississippi, USA
- Jan 2000 – Dec 2001 Web Master, International Services Office,
Mississippi State University, Starkville, Mississippi, USA

COURSES CURRENTLY TEACHING AT UNIVERSITY OF ALABAMA (UAH) (2019-2020):

- Calculus A – MA 171
- Calculus B – MA 172
- Calculus C – MA 201
- PreCalculus – MA 115

OTHER ASSIGNMENTS AT UNIVERSITY OF ALABAMA FOR SPRING 2018-2019:

- Training for Online Teaching
- Developing an Online Course

COURSES TAUGHT AT ALABAMA A& M (2016-2017):

- Calculus –I (MTH 125)
- PreCalculus College Algebra (MTH 112)
- Elementary Algebra (MTH 101)
- Pre Algebra (MTH 100)

ONLINE TEACHING EXPERIENCE AT PRINCE GEORGE’S COMMUNITY COLLEGE:

- College Algebra and Trigonometry-I(MAT 1350)
- Intermediate Algebra (MAT 0104)

COURSES TAUGHT AT PRINCE GEORGE’S COMMUNITY COLLEGE (2010-2016):

- College Algebra and Trigonometry-I(MAT 1350)
- Finite Mathematics (MAT 1120)
- Elements of Mathematics for Elementary Teachers (MAT 1050)
- PreCalculus (MAT 1370)
- Intermediate Algebra (MAT 0104)

COURSES TAUGHT AT KENT STATE UNIVERSITY (2005-2010):

- Developmental Mathematics (MATH 10004), known as Core Mathematics I, II
- Introduction to College Algebra (MATH 10005), known as Core Mathematics III, IV
- Basic Math Concepts-I (MATH 14001)- Mathematics for Elementary Teachers-I
- Basic Math Concepts-II (MATH 14002) Mathematics for Elementary Teachers-II
- Modeling Algebra (MATH 11009)
- Algebra for Calculus (MATH 11010)

COURSES TAUGHT AT VALDOSTA STATE UNIVERSITY (2002-2005):

- College Algebra (MATH 1111)
- Math Modeling (MATH 1101)
- Trigonometry (MATH 1112)
- PreCalculus (MATH 1113)
- Survey of Calculus I (Business Calculus) (MATH 1261)
- Survey of Calculus II (Business Calculus) (MATH 1262)
- Elementary Statistics (MATH 2620)

SOFTWARE AND TECHNOLOGY USED IN CLASSES OVER THE YEARS:

- PANAPTO, CANVAS, TI 83, MINITAB, EXCEL, MYMATHLAB, ALEKS, MYLABSPLUS, WEBASSIGN, DESMOS, GEOGEBRA

PROFESSIONAL ACTIVITIES AT UNIVERSITY OF ALABAMA, HUNTSVILLE

- Webinar on "Redesigning the Math Curriculum with Corequisite Courses: Planning & Practice" - Thu, Jan 24, 2019
- Volunteer at Calculus Workshop, UAH
- Volunteer at Alabam State Wide contest (ACTM)
- Best Practices Retention Workshop, April 24th, 2019
- Live Web Interaction To Increase Student Engagement - Friday, April 26, 2019 (Zoom)
- UA System Scholars Institute , May 13-14th, 2019
- Volunteer at Parent night Dinner at UAH, August 2019
- Attended 68th Annual Meeting of the AACTM(Alabama Association of College Teachers of Mathematics), Saturday, **February 3, 2018** at Jacksonville State University
- "Bringing Calculus to Life with Real Applications". Webinar on **April 17th, 2018** sponsored by Pearson Publishing.

CERTIFICATES:

- UA Systems 2019 Scholars Institute – **May 2019**
- Quality Educational Practice Online Certification-**Spring 2018**
- Instructional Technology Professional Development Level III (ITPD –III) **Fall of 2014**
- Distance Learning Conference on Fri., Oct 17, 2008, Youngstown State University.
- Faculty Advising Workshop Series with a monetary award of \$300 to the Math Department, Spring 2006, Kent State University.
- University Women’s Mentoring Program, November 30th, 2006, Kent State University.
- 1st Annual Beginning Algebra Conference, October 13th, 2006, Youngstown State University.

PAST MEMBERSHIP OF PROFESSIONAL SOCIETIES:

- Maryland Mathematical Association of Two Year Colleges(MMATYC)
- American Mathematical Society (AMS).
- Mathematical Association of America (MAA).

PRESENTATIONS:

- Instructional Technology Showcase – Usage of iPad in the classroom for instructional purposes. Prince George’s Community College, **May 2014**.
- Instructional Technology Showcase – Usage of ELMO in the classroom for instructional purposes. Kent State University-Salem, Jan 14th, 2010.

- Poster - Use of decision making tools for sustainable community development. Anuradha Eaturu, Krishna P Vadrevu. Paper presented at Earth Day Environmental Justice Conference held at Kent State University, East Liverpool Campus, April 22nd, 2006.
- Prospects and Implications of using Spreadsheets for Analyzing Complex Mathematical Functions - A Case study using Fourier Analysis From Time Series Data. Paper presented at the Tenth annual Math technology conference held at Valdosta State University, February 25th, 2005.

PROFESSIONAL ACTIVITIES AT PRINCE GEORGE’S COMMUNITY COLLEGE:

- Served as a Co-chair for MAT 1350 responsible for assessing the course as part of the college wide course assessment requirements **2014-2016**.
- Attended a webinar sponsored by ETS “ Do Your Assessments Tell Your School’s Story”?
March 23, 2016
- USA Science and Engineering Festival –www.usasciencefestival.org **D.C. April 16-17,2016**
- Participated in STEM ATLAS(Advancing Tomorrow’s Leaders + STEM) Event hosted by Md Bio Foundation in partnership with Prince George’s Community College, Largo, Maryland. **November 07, 2015**.
- Completed online instructor training in the PGCC eLearning program to teach online courses. As part of the requirement of the training, taught Online College Algebra and Trigonometry-I(MAT 1350) online - **Summer 2015**.
- Completed Instructional Technology Professional Development Level III (ITPD –III) iPads were provided to faculty. The iPad was used in the classroom to integrate technology usage for instructional purposes. Mathematics for Elementary Teachers, MAT 1050 was chosen to integrate technology as a part of this program. **Fall 2014 and Spring 2015**
- Participated in the Summer CAPP program for incoming high school students - **Summer 2013**
- Participated as one of a small group of faculty that included a MATH faculty member, DVM faculty member and a PGCPs faculty member, to be a part of the Mathematics Team for the Maryland Affinity Group- **Fall 2012 and Spring 2013**.
Prince George’s Community College partnered with Prince George’s County Public Schools-(PGCPS) G.H. Flowers High School.
- Member of the Math Redesign Leadership team to convert Intermediate Algebra(MAT 0104) from a traditional lecture course into a computerized Modular through the Maryland Higher Education Commission (MHEC) Grant **2012-2014**.

- Member of the Question Writing Committee for College Mathematics Tournament Committee **2011-2014.**
- Committee Chair for Intermediate Algebra, MAT 0104, Prince George's Community College, **2011-2012.**

PROFESSIONAL ACTIVITIES (2005-2010):

- Faculty Search Committee member-Kent State-Salem campus, Spring 2010
- Committee member to review trigonometry textbooks for the Mathematics Department, Kent State University, 2008
- Volunteer to guide full time and part-time faculty on using MYMATHLAB (coursecompass) for online instructional purposes. Kent State University-Salem campus, 2007
- Panel member for New Hire orientation, Kent State University, Salem Campus, 2006
- Panel member for Earth Day Environmental Justice Conference, Kent State University, East Liverpool Campus, April 22nd, 2006.
- Proctor for Middle School Mathematics Tournament, Valdosta State University, May 9, 2005.
- Presented a talk on Implications and prospects of using Fourier analysis at the Tenth Annual Math Technology Conference held at Valdosta State University. (Feb 2005)
- Committee Member of Math Modeling (MATH 1101) for the academic year 2004-2005.
- Volunteer for 2nd high school Mathematics tournament, December 2004.
- Participated in the Ninth Annual Math Technology Conference held at Valdosta State University, February 2004.
- Participated in the fifth Mississippi state conference on differential equations and computational simulations held at Mississippi State University, May 2001.
- Attended Garan Management Seminar held at Mississippi State University, January, 2000.
- Attended Teaching Assistantship workshop organized by Mississippi State University, August 1999.

WORKSHOPS AND CONFERENCES:

- Counting on Our Future: Redefining Quantitative Literacy in Maryland, **October 31st, 2014** Townson University.
- Attended the MMATYC Spring Conference on the theme of Blended Learning. Laurel College Center. **Spring 2012.**
- Attended Redesign workshop: DMCR Course Redesign Team at the UMBC Technology Center, UMBC, Baltimore. **Spring 2012.**
- Attended Prince George's Community College training workshop on Mentoring Program- **October 2012.**
- Attended Conference Board of Mathematical Sciences (CBMS) Forum, in Reston, VA titled ***Teaching Teachers in the Era of the Common Core - Fall 2011***
- Attended a conference on *Course Redesign* sponsored by National Center for Academic Transformation (NCAT) –**Fall 2011**
- Attended the Faculty Retreat Seminar at UMUC titled- ***GATHERING IDEAS FOR TEACHING SUCCESS (GIFTS) - Spring 2011***

- Team Presented a 20 minute talk at PGCC Assembly of Teachers of English Grammar Conference. *English and Mathematics - Order in Both Courts.* – July 30th, 2011
- Educational Technology Conference, December 4th, 2009, Kent State University.
- 16th Annual Celebration of College Teaching, October 31st, 2009, Kent State University.
- Web-Enhanced Instruction with GeoGebra -online PREP workshop, July 6 - 10, 2009, MAA.
- Technology Conference: Using Technology to Assess Engaged Learning, April 11th, 2008, Kent State University.
- Conics: Searching for Beauty Reveals Deeper Truths, May 15-19, 2006, Cleveland State University.
- Global Ecology: Mathematical Biosciences Institute (MBI), June 26-30, 2006, The Ohio State University.

RESEARCH INTERESTS

- Remote sensing and GIS applications for Natural Resource problems.
- Time series analysis and Population Dynamics.

PEER REVIEWED RESEARCH PUBLICATIONS IN INTERNATIONAL JOURNALS (2005-2010):

Climatic Controls of Vegetation Vigor in Four Contrasting Forest Types of India Evaluation from NOAA AVHRR Datasets (1990-2000). V.Krishna Prasad, **Anuradha Eaturu** and K.V.S.Badarinath. International Journal of Biometeorology. 2005.50:6-16

Spatial distribution of forest fires and controlling factors in Andhra Pradesh, India using SPOT satellite datasets. Krishna P Vadrevu, **Anuradha Eaturu** and K.V.S.Badarinath. Environmental Monitoring and Assessment. 123:75-96. 2006.

Evaluation of vegetation greenness metrics for characterizing tropical forest cover types—A case study using NOAA AVHRR datasets. V.Krishna Prasad, K.V.S.Badarinath and **Anuradha Eaturu**. Geocarto International. 22(1)29-48. 2007.

Spatial patterns of vegetation phenology metrics and related climatic controls in eight contrasting forest types of India – Analysis from remote sensing datasets. V.Krishna Prasad, K.V.S.Badarinath and **Anuradha Eaturu**. Theoretical and Applied Climatology. 89, 95–107. 2007.

Effects of precipitation, temperature and topographic parameters on evergreen forest phenology in the Western Ghats, India. V.Krishna Prasad, K.V.S.Badarinath and **Anuradha Eaturu**. International Journal of Climatology. 28(13)1807-1819. 2008.

Biophysical and anthropogenic controls of forest fires in the Deccan Plateau, India. V.Krishna Prasad, K.V.S.Badarinath and **Anuradha Eaturu**. Journal of Environmental Management 86(1-13)2008.

Spatial patterns in vegetation fires in the Indian region. Krishna Prasad Vadrevu, K.V.S.Badarinath and **Anuradha Eaturu**. Environmental Monitoring and Assessment. 147(1-3)2008.

Krishna Prasad, V., **Anuradha Eaturu** and K.V.S.Badarinath. 2010. Fire risk evaluation using Multi-criteria analysis - A Case study. Environmental Monitoring and Assessment. 166:223-239.2010.