

DIANE AGUD

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EXPERIENCE:

Virginia Polytechnic Institute and State University—Blacksburg, VA
Senior Instructor of Mathematics 2008 – Present
Instructor of Mathematics 1993-2008

Areas of instruction:

- Calculus I (Math 1205) - differential calculus course for math, computer science, engineering and science majors
- Calculus II (Math 1206) - integral calculus course for math, engineering and science majors
- Calculus with Matrices (Math 1525/1526) – calculus course taken primarily by business majors
- Calculus with Trigonometry (Math 1014/1015) - calculus course taken by students in non-technical majors
- Elementary Calculus (Math 1025) – differential calculus course for non-math/engineering majors
- Linear Algebra (Math 1114) – a math course taken by math, computer science, engineering and science majors as part of their calculus sequence
- Multivariable Calculus (Math 2224/2204) - the third semester calculus course for math, engineering and science majors
- Precalculus with Transcendental Functions (Math 1014) – precalculus including college algebra and trigonometry
- Vector Geometry (Math 1224) - a math course taken by math, computer science, engineering and science majors as part of their calculus sequence
- Emerging Scholars Program for Math 1205 and 1206 (Math 2984) – a math course taken as a companion course to Math 1205 and Math 1206 for students in danger of failing calculus.

Mathematics Department and University Service:

- Search Committee member for the Director of Undergraduate Academic Integrity 2019
- Undergraduate Program: Member 2019-Present
Review checksheet for Traditional option
Participate in senior interviews
- Lower Division Advising Team 2017 – Present
Advisor to Freshman and Sophomore Mathematics majors. Advise students for the first two years at VT until they have chosen one of the four mathematics options. Coordinate information with the option advisor.
- Instructor Executive: Vice chair 2016-2019
Review FAR documents and vita of instructors annually
Review FAR documents and dossiers for instructor promotions
Wrote letters of support for instructor promotion.
Representative to the Department Executive Committee in regard to instructor promotions
- K-12 Outreach: Chair 2017-Present
The K-12 Outreach committee serves as a liaison between the VT Math Department and local K-12 schools.
 - Career Day: an event for middle school students in hopes of inspiring their interest in mathematics as a career choice. The students interact with distinguished alumnae of the Virginia Tech math department, as well as other professionals who are pursuing mathematically oriented careers. The students also participate in a variety of computer activities involving mathematical visualization software and participate in problem solving using group work and presentations.
 - VT Math Xperience: the high school event encourages young mathematicians to not only consider a career in mathematics but to also consider attending VT to pursue their mathematics degree while simultaneously offering the students' teachers a professional development opportunity through which they might earn teaching re-certification points. This event will be a high school math class field trip to the Math Department following completion of the AP exams. This provides the Math Department with an opportunity to showcase talent and research opportunities as well as to recruit future math majors. Additionally, we will attempt having Math Department professors visit high schools during the fall semester in order to present their research in a manner that engages high school students in hopes of encouraging their consideration of the VT Math Department to further their education.

- High School Outreach 2016-2017
This committee was combined with Math Awareness Month Committee to create K-12 Outreach Committee.
- Instructor Evaluation Committee 2014-2015
Reviewed dossiers for submission for instructor advancement
- Undergraduate Honor System (UHS): 2002-Present
 - Faculty representative serve as either 1) faculty counselor to an accused student or 2) the faculty representative on the panel.
 - Faculty representative of the Honor Council 2015-Present
Honor Council meets biweekly to review cases.
 - Faculty representative of the UHS Review Board Fall 2013–2015
UHS Review Board met weekly to review the cases heard during the week.
- Instructors Affairs Committee 1999-2002, 1995-1997, 2013-2014
Chair 2001-2002
The CIA maintains a current update of Instructor and related departmental concerns, and fosters liaison between the Instructors and the rest of the Department in such a way that all faculty members may be well informed on matters appropriately involving the interests of the Instructors.
- Course Coordinator for Math 1224 2012-2015
- Registration Committee 1997-2017
Chair 2010-2017
- Faculty Senate 2009-2014, 2016-Present
 - Faculty Senator on University Council 2017, 2019-Present
 - Faculty Senator on Transportation and Parking 2019-Present
- Graduate Teaching Certification 2007-Present
 - Phase I teaching committee member: This phase is the first step in the mathematics department's graduate student teaching certification process. Students have to teach a 15-20 minute lecture in front of 3 members of the Phase I committee. If students pass this phase, they proceed onto the phase II certification.
 - Phase II teaching certification Mentor: This certification process helps prepare the graduate student for teaching his/her own class. The student begins by observing the instructor and then prepares and teaches 2 to 3 lessons. The instructor then makes a recommendation on the preparedness of the grad student to teach his/her own course.
- Commission on Faculty Affairs 2011-2013

- 1206c tutorial help 2009-2013
- Course Coordinator for Math 1205 2005-2007, 2009-2010
- Secretary/Treasurer of Academy of Teaching Excellence Fall 2005–2007
- Faculty Advisor for the University Sporn Award 2005-2006
- Teaching Committee Fall 2002-2006
- Wrote on-line quizzes for Math 1525 Fall 2002
- Supervisor of undergraduate teaching assistants for the ESP program 1998-2002
- Math Emporium tutor 1998-Spring 2007
- Women’s Career Day Committee 1997-2010
 The Career Day Committee annually organizes “Women in Mathematics: Career Day at Virginia Tech” for young women of all mathematical abilities. The day provides these girls the opportunity to interact with distinguished alumnae of the Virginia Tech math department, as well as other women who are pursuing mathematically oriented careers. The girls also participate in a variety of computer activities involving mathematical visualization software and participate in problem solving using group work and presentations.
- Math Awareness Week Committee 1996-2017
 - Co-Chair: 1998-2017
 As co-chair of this committee, I am responsible for overseeing / organizing the subcommittees that work on the poster contest, the workshop for elementary and middle school teachers from Montgomery and Giles Counties, and the speaker for the University community.
 - Coordinator of the poster contest subcommittee: 1997-2017
 As head of this subcommittee, I am responsible for organizing the poster contest for the primary (K-8) schools in Montgomery and Giles Counties

 This committee was combined with High School Outreach to create K-12 Outreach Committee.
- Mentor Committee 1994-Present
 - Phase I and Phase II certification process committee member
 - Mentor graduate students teaching their own class
- Common Time Final Committee: 1998 – 2001; 2005 - Present
 Co-writer of the common portion of the finals for Math 1205, Math 1206, Math 1224 and Math 2224/2204.
- Member of the Teaching Committee 1994-1995

- Lower Division Committee 1994-1996
- Supervisor at the Math Emporium 1998-1999
- Mentor for The Center for Academic Enrichment and Excellence 1997-1998

Honors:

- Instructor of the Year Award 2019
- 25 years of service 2018
- Favorite Faculty (sponsored by VT Residence Life) 2010, 2013, 2017
- "Thank a Teacher" (sponsored by Center for Instructional Development and Educational Research) 2010, 2016, 2017, 2018
- Promoted to Senior Instructor 2008
- Nominated for "Who's Who" 2007-2017
- University Sporn Award 2005
- Inducted into Academy of Teaching Excellence 2005
- "Comfort Zone" 2000
I was recognized by the Dean of Students for services for students with disabilities. Several students with disabilities identified me as a faculty member who provides a welcoming environment in the classroom.

Conroe High School--Conroe, TX 1992-1993
Mathematics Teacher -- Taught secondary mathematics.

Areas of instruction:

- Algebra I
- Mathematics of Money - a consumer math course

Curriculum Development:

Involved in the development of an integrated curriculum involving Algebra II, Chemistry and Health Science. Students in this program were capable of receiving community college credit for some courses.

University of Houston--Houston, TX 1992-1993
Adjunct Instructor of Mathematics and Computer Science

Areas of instruction: College Algebra.

San Jacinto Community College--Houston, TX 1992-1993
Adjunct Instructor of Mathematics and Computer Science

Areas of instruction: College Algebra.

Molloy College--Rockville Centre, NY 1991-1992
Adjunct Instructor of Mathematics and Computer Science

Areas of instruction:

- Calculus
- Statistics

Dowling College--Oakdale, NY 1991-1992
Adjunct Instructor of Mathematics and Computer Science

Areas of instruction:

- Algebra
- Probability & Statistics

Huntington Learning Center--Baldwin, NY 1991-1992
Tutor

Taught SAT preparatory courses. Taught average and above average students to excel in Mathematics and Reading.

Syosset Home Tutoring, Inc. 1991
Home Teacher -- Taught Mathematics and Science to home bound students.

Areas of instruction:

- Mathematics: Sequential I (9th grade), Sequential II (10th grade)
- Sciences: Biology, Earth Science.

St. John's University--Jamaica, NY 1990
Instructor of Mathematics and Computer Science

Areas of instruction:

- College Algebra
- Calculus
- Linear Programming

Wantagh School District--Wantagh, NY 1990-1991
Substitute Teacher -- Taught students (7-12) in all areas of curriculum.

St. John's University--Jamaica, NY 1988-1989
Graduate Assistant -- Tutored undergraduates and proctored exams in addition to teaching selected mathematics classes as requested by mathematics department.

Rabbi Dov Revel Yeshiva--Forest Hills, NY 1988
Substitute Teacher -- Taught 7th & 8th grade Mathematics.

Lynbrook Diagnostic laboratory, EKG Department--Lynbrook, NY 1981-1988
Laboratory Technician -- Assisted the supervisor and officiated in the supervisor's absence. Made work schedules for technicians. Took EKGs and blood work on office patients.

Clerical -- Typed EKG reports to be sent to Doctors and Nursing Homes.
Computerized billing to be sent to Medicare and Medicaid. Updated patient files.

Nassau County Coroner's Office--NY Summer 1984
Field Experience in Toxicology -- Performed various tests on tissue samples to help the coroner determine the cause of death.

EDUCATION:

Continuing Education

Took graduate level courses in Graph Theory and Optimization II Summer 1994

M.A. Mathematics, January 1990 St. John's University, Jamaica, NY
Certification: 7-12

B.A. Mathematics B.S. Biology, May 1985 Molloy College, Rockville Centre, NY
Minor: Chemistry Summa Cum Laude, G.P.A. 3.98

HONORS:

American Mathematical Society, Delta Epsilon Sigma-National Honor Society,
Omicron Alpha Zeta-Molloy College Honor Society, Chi Beta Phi-National Honor
Scientific Society, Mu Sigma Mu-Mathematics Honor Society, Dean's List, Full
Undergraduate/Graduate Scholarships.

TEACHING CERTIFICATION:

NY Secondary Education Teaching Certification (grades 7-12)

TX Secondary Education Teaching Certification (grades 7-12)