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EDUCATION

M.A. - Mathematics, Texas Tech University, May 2003
Master's Report Title – "A Collection of Modules Incorporating the TI-Voyage 200"
B.S. - Mathematics with a minor in Computer Science, Whitworth College, May 2001
A.A. - Running Start, Spokane Falls Community College, June 1999

PROFESSIONAL AFFILIATION

- Society of Industrial and Applied Mathematics (SIAM), Texas Tech University Chapter, 2001-2003
- Member of Phi Theta Kappa (National Honors Society), 1998 -1999

TEACHING EXPERIENCE

Adjunct-Mathematics Instructor Spokane Falls CC (SFCC) 2009 - Present
Elementary Algebra, MATH 93; Intermediate Algebra, MATH 99; Math for Liberal Arts, MATH 107; College Algebra, MATH 108; Calculus I, Math &151; Calculus II, Math &152; Math for Elementary Education I, MATH 208

Adjunct-Mathematics Instructor, Whitworth College 2010
Elementary Probability and Statistics, MATH 256

Annualized Full-Time Mathematics Instructor, (SFCC) 2008 - 2009
Elementary Algebra II, MATH 92; Intermediate Algebra, MATH 99; College Algebra, MATH 108; Pre-Calculus I, MATH &141; Pre-Calculus II, MATH &142; Calculus I, Math &151; Calculus II, Math &152; Math for Elementary Education III, MATH 210

Full-Time Tenure Track Mathematics Instructor, Highline CC 2007 – 2008
Intermediate Algebra, MATH 097; College Algebra, MATH 111; Calculus I, Math 124; Calculus II, Math 125;

Annualized Full-Time Mathematics Instructor, (SFCC) 2006 – 2007
Elementary Algebra I in an Online setting, MATH 91; Elementary Algebra II, MATH 92; Elementary Algebra II and Intermediate Math in a single class, Express Math 92/99; Intermediate Algebra, MATH 99; Pre-Calculus, MATH 111; Pre-Calculus II, Math 112; Math for Liberal Arts in an interactive television, ITV, setting, MATH 115; Calculus I, Math 124; Math for Elementary Education I, MATH 208

Math Instructor of Mathematics Lab, the Institute for Extended Learning, Community Colleges of Spokane, Fairchild AFB Center 2006
I was the Mathematics Instructor on duty at all times. I taught various levels of mathematics including Pre-Algebra, Algebra, Trigonometry, Geometry, and Pre-Calculus in a one-on-one setting. Additional responsibilities involve giving and grading quizzes and tests, filing, advising students on their courses, and examining the curriculum.

Adjunct-Mathematics Instructor, Whitworth College 2004 – 2006
Finite Mathematics (Business Mathematics), MATH 108

Adjunct-Mathematics Instructor, (SFCC)**2003 - 2005**

Pre-Algebra, MATH 90; Elementary Algebra I, MATH 91; Elementary Algebra linked with English Composition, MATH 91; Elementary Algebra paired with English Composition and linked with College Success, MATH 91; Intermediate Algebra, MATH 99; Finite Mathematics, MATH 201; Math for Elementary Education I, MATH 211; Math for Elementary Education I, MATH 211 (Pilot for three-quarter sequence); Math for Elementary Education II, MATH 212; Mathematics Instructor in the Mathematics Learning Center

Graduate Part-time Instructor, Texas Tech University**2001 - 2003**

Developmental Mathematics, MATH 0302; College Algebra, MATH 1320; Analytic Geometry, MATH 1350; Introduction to Math Analysis II (Business Calculus), MATH 1331

Math I Instructor, Upward Bound Programs (UB)**2002 - 2003**

The purpose of teaching in Upward Bound was to provide enrichment beyond what the students would see in a typical high school level math course. The diverse students were shown vast areas of mathematics as well as given real world applications of skills that they already knew. The students were shown that math could be fun by doing hands on projects.

Math Tutor, Texas Tech University**2002 - 2003**

The responsibilities entailed tutoring various levels of mathematics including Developmental Mathematics, College Algebra, Trigonometry, Business Analysis, Business Calculus, and Statistics.

Math Tutor, (SFCC)**1999 - 2001**

The responsibilities entailed tutoring different levels of math including Developmental Mathematics, Trigonometry, Geometry, Pre-Calculus, and Calculus in the Mathematics Learning Center. Additional responsibilities included handing out and grading quizzes and tests, filing, answering telephones, and operating computers. I also advised students on their courses.

Math Grader, Whitworth College**1999 - 2001**

The responsibilities included grading for business mathematics classes.

Math Tutor, North Central High School Homework Center**1999 - 2000**

The responsibilities involved tutoring high school math including integrated math, algebra, geometry, trigonometry, and calculus to students and interacting with students in a classroom environment.

PROFESSIONAL DEVELOPMENT

- Washington State Science Olympiad Tournament Arbitrator in 2010.
- Eastern Washington State Regional Science Olympiad Tournament Director, 2010.
- College Readiness Committee for Developmental Mathematics Education at SFCC since 2006; we are clearly defining what it means to be college ready and what it means to be Pre-Calculus ready using the College Readiness Standards from the Transitions Math Project. Once these definitions are agreed upon, we plan to start seriously examining our course structure and possibly revising the developmental mathematics curriculum.
- I have taught a variety of distance learning classes including interactive television (ITV) courses and online courses.
- I revised and re-wrote the eleven Progress Charts for the Mathematics Lab for Fairchild AFB Center and Spokane Falls Community College.

- A Washington Teachers of Teachers of Mathematics (WaToToM) Conference on February 10-12, 2006; this group is concerned with how best to prepare future teachers of K-12 mathematics. An Office of Superintendent of Public Instruction representative discussed proposed revisions to the Math Endorsements for Elementary, Middle and High School teachers. We also updated on the Transition Math Project (TMP). The goal of TMP is basically to ensure that students transition from High School mathematics to college level mathematics successfully. In addition, we delved into what other colleges in the State of Washington are doing in regards to teacher preparation math courses.
- Curriculum Planning Retreat at Spokane Community College on February 3rd, 2006; in this interactive workshop, I learned more about discipline integration, interdisciplinary teaching, outcomes and content negation, learning communities, and how to engage students more effectively. We also got some great input from a diverse student panel on how they perceive learning communities.
- FACTC Tools for Teaching III Conference on October 28, 2005 at Highline Community College; this conference explored "Diversity and Community." Some of the topics discussed included how to effectively teach a diverse community of learners, the transition and translation into college level courses, how to engage students in active learning in the online classroom environment, and brain-based learning.
- Curriculum Development Committee for the Math for Elementary Education Courses in 2004-2006 at SFCC; we revised the two quarter sequence into a three quarter sequence. This involved many discussions about the curriculum and determining what should be taught in each course and how the material should be taught with added manipulatives, group work and inquiry based learning.
- I wrote a letter in the spring of 2005 informing other institutions in the State of Washington about the proposed new three quarter Math for Elementary Education sequence at SFCC. In addition, I wrote the three Course Abilities and Learning Outcomes (CALOs) for the new three quarter Math for Elementary Education courses (Math 208, 209 and 210) in the summer of 2005.
- A workshop for Elementary Education at Eastern Washington University (EWU) on September 12-14, 2005; we tried to coordinate the efforts of EWU, SCC and SFCC in the creation/revision of mathematics and science courses that serve the pre-service elementary teacher. Along with insight given into the elementary math and science pedagogy and curricula, we discussed the updated certification requirements, Grade Level Expectations (GLEs) and the Washington Assessment of Student Learning (WASL) for the elementary teacher.
- Math Summit Conference (A Mathematics Collaboration) on May 17th, 2004 at SFCC; The Math for Elementary Education courses in the colleges of Washington State, the issues, concerns and problems of Elementary Education faculty, and the things that shape teachers and teaching, such as degree requirements, West B, Earls, and the WASL were all discussed. We also delved into the transition issue from high school to college and the issue of the possibility of counting high school mathematics courses for college level mathematics credit.
- Along with attending many math department meetings at both SFCC and Texas Tech University, I have been attending division and campus faculty meetings at SFCC.
- I am qualified to teach a College Success course at SFCC.

OTHER EXPERIENCE

- Volunteer at Ridgeview Elementary School as a Host Reading Tutor in 1999
- Participant four times in a mathematics competition for the AMATYC
- Participant and Proctor in the Math is Cool Competition
- Volunteer tutor at Holmes Elementary School in 1997
- Volunteer at the Spokane Food Bank for 60+ hours in 1997

EMPLOYMENT

Cashier/Intimates/Ladies Associate, Walmart **2000 - 2001 & 2003 - 2004**

The responsibilities included handling cash, checks, debit and credit cards, cleaning and straightening up the store, and cooperating daily with co-workers. These responsibilities demand problem-solving abilities and great customer service.

Cashier, Kmart **2002**

The responsibilities included handling cash, checks, debit and credit cards, customer service and cooperating daily with co-workers. These responsibilities demand problem solving, cooperative, and organization abilities.

Counter Person, Westco Martinizing Dry Cleaners **1998 - 2000**

The responsibilities entailed assisting and having great customer service, tagging in clothes, performing some janitorial work, conducting money transactions, operating a ten key, and operating a computer.

Material Handler, Material Logistics at Hewlett-Packard/Agilent Technologies for Weep **Summer of 1999**

The responsibilities involved cooperating with coworkers, performing computer work, handling, boxing, and shipping computer boards, and putting labels on computer boards.

UNDERGRADUATE MATHEMATICS COURSES TAKEN

- Pre-Calculus I, II (Running Start)
- Calculus I, II, III, IV (Running Start)
- Linear Algebra
- Numerical Analysis
- Discrete Mathematics
- Elementary Probability and Statistics
- Numerical Analysis
- Modern Geometry
- Number Theory
- Mathematical Statistics I
- Introduction to Complex Variables
- Advanced Calculus I, II
- Graph Theory and Combinatorics
- Math Methods for Secondary Teachers

UNDERGRADUATE COMPUTER SCIENCE COURSES TAKEN

- Introduction to Computer Information Systems
- Computer Science I, II (C++)
- Computer Organization and Assembler Programming
- Data Structures and Algorithm Analysis

UNDERGRADUATE EDUCATION COURSES TAKEN

- Modern Education System
- Lab at Ridgeview Elementary School
- Lab at North Central High School
- Educational Psychology
- Abuse and Neglect
- Reading in Secondary School

GRADUATE COURSES TAKEN

- Linear Algebra
- Matlab
- Statistical Analysis
- Intermediate Mathematical Statistics I, II
- Pedagogy
- Seminar in Statistics
- Seminar in Algebra
- Differential Equations I (Undergraduate)
- Advanced Calculus II
- Advanced Math for Teachers, Maple
- Advanced Math for Teachers, Modern Algebra I, II
- Advanced Math for Teachers, Overview of the Community College and Number Theory
- Latex
- Intermediate Analysis I
- Topology

SKILLS AND INTERESTS

- Computer software - Maple, Matlab, C++, Latex, Microsoft Excel, Word, PowerPoint, WebCT, Blackboard
- Hobbies – Movies; Music; Playing board games; Reading; Scrapbooking, Spending time with family and friends; Sudoku Puzzles; Walking

REFERENCES

Dr. Lyle Cochran

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Jim Hallam

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