

ACTIVITIES AT LWTC

SEPTEMBER 2006 through DECEMBER 2008

Presented in Reverse Chronological Order

William Bricken

SUMMARY OF ACTIVITIES

TEACHING AND WORKING WITH STUDENTS

Taught twenty-eight 5-unit quarter courses.
Supervised twenty-two ABED and supplemental math courses.
Many positive comments from students.

WORKING WITH FACULTY/STAFF

Participation in aspects of:
math department administration.
cross-departmental activities,
 esp. MMDP, ECE, Engineering Graphics, Academy.
global outcomes initiative and accreditation.
placement office COMPASS testing.

SERVICE (COLLEGE, COMMUNITY, INDUSTRY)

Grant proposals submitted to Honda, NSF, DoEd.
College in the High School advisor.
Presentation at Washington State math teachers conference.
Guest lecturer at East China Normal University.

PROGRAM MANAGEMENT/ADVANCEMENT

Design and implement Math Department Assessment Plan.
Review and revise departmental textbook selections.
Contributed to development, design and construction of MathLab.
Introduce new departmental Math 90 exam.
Evaluation, refinement and management of Math80 department exam.
Contributed to course descriptions, outlines and objectives.
Initiation of new courses.

PROFESSIONAL DEVELOPMENT

Animation system programming (Mathematica 6.0 and Cheetah3D).
Design of innovative architectures for nano-scale computation.
Book of readings "Teaching for Innovation".
Book draft "Foundations of Spatial Arithmetic".
Contributions to the
 Boundary Institute for the Study of Simplicity.

===== TEACHING AND WORKING WITH STUDENTS =====

 HIGHLIGHTS 9/06 through 12/08

Tally of 5-unit courses taught over 9 quarters (28 courses total):

Math80	Pre-algebra	2
Math90	Introductory Algebra	9
Math99	Intermediate Algebra	8
Math102	Quantitative Reasoning	5
Math107	Math in Society	2
Math141	Precalculus	1
Math146	Statistics	1

Supported and taught (individual tutoring and supervision):

ABED30	Arithmetic Skills	5
ABED40	Arithmetic Skills	5
Math70	Pre-algebra Modules	4
Math85	Algebra Modules	5
Math95	Algebra Modules	3

----- THIRD TENURE REPORT, DECEMBER 2008 -----

COURSES TAUGHT

1/09 Projected courses, Winter 2009

Math99	Intermediate Algebra	ABED30	ABE Math I
Math102	Quantitative Reasoning	ABED40	ABE Math II
Math107	Math in Society	Math95	Factoring Module

9/08 Autumn 2008

Math99	Intermediate Algebra	ABED30	ABE Math I
Math102	Quantitative Reasoning	ABED40	ABE Math II
Math107	Math in Society	Math95	Factoring Module

7/08 Summer 2008

Math99	Intermediate Algebra	ABED30	ABE Math I
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===== PROGRAM MANAGEMENT/ADVANCEMENT =====

HIGHLIGHTS 9/06 through 12/08

Design and implement new math coursework.
Refine Math Department Course Outlines and curriculum structure.
Assess popularity of math teaching styles.
Design and implement Math Department Assessment Plan.
Build MathLab.
Develop and analyze Departmental Math80 Final Exam, and Math90 Final Exam.

----- THIRD TENURE REPORT, DECEMBER 2008 -----

12/08

Designed and implemented survey of student preferences for online, hybrid, MathLab and conventional math teaching. Wrote "Math Teaching Style Survey Analysis"

11/08

Designed and developed departmental Math 90 Final Exam.

10/08

Wrote "LWTC Math Department Global Objectives Matrix and Assessment Plan"

9/08

Wrote "College-level Math at LWTC"

9/08

Wrote "The Intermediate Algebra Bottleneck"

1/08 - present

Supported instructors teaching in the Math Lab.

4/08-7/08

Evaluation of texts for M80, M90, M99, M141, M142, M151, M152
New textbook selection and distribution.

4/08 - 6/08

Developed curricula for Math 107.

