

The Dynamics of a Successful Learning Center



The Math/Science Center
Montgomery College
Rockville, Maryland

Welcome

- Introduction
- Handouts
- Definitions

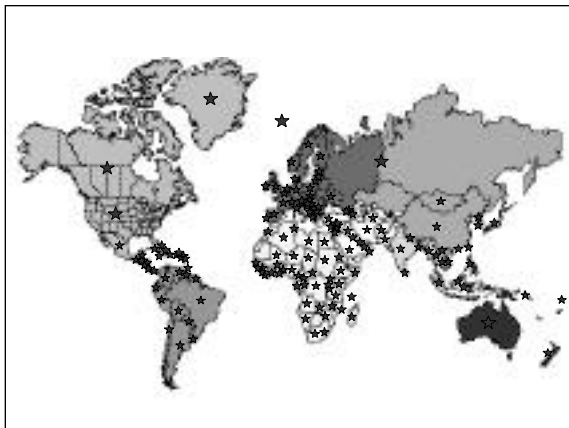
Background Information

- About Montgomery College
 - Three Campuses
 - Largest CC in Maryland
 - Diverse Population

Our Profile

- Mean Age: 28.4, Median Age: 23
- Fall 2000 (3rd Week Figures)

	<u>Enrollment</u>	<u>Credit Hrs</u>
Math Dept	4,580	16,085
Campus	14,180	117,160
College	20,923	177,214



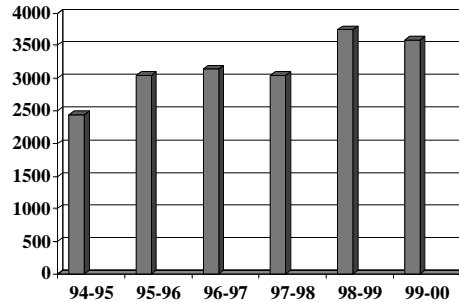
Student Resources

- Tutoring
- Workshops and Review Sessions
- Videos Sets and VCR Stations
- Computer Lab
- Calculator Loan Programs
- Text and Material Check-out
- “Atmospheric” Conditions

Tutoring

- **Staffing**
 - Faculty Tutors
 - Student Tutors
- **Tutoring Desks**
 - 4 Math Stations
 - 3 Science Stations

Total Tutoring Hours



Math Outreach

- **Weekly Help Sessions**
- **Graphing Calculator Workshops**
- **Review Sessions**
 - Prealgebra Competency Exam
 - Final Exams
- **Printed Materials**

Video Sets & VCR Stations

- **Prealgebra Through Precalculus**
- **Graphing Calculator Tutorials**
- **Faculty Recommend Tapes**

Computer Lab & Software

- **Additional Practice**
- **64 Stations**
- **Tutorials for Developmental Math**
- **Programs for Upper Level Courses - MatLab, Maple, Derive and Minitab**

Calculator Loan Programs

- **TI Volume Purchase Program**
- **Short-Term Loan Program**
- **Long-Term Loan Program**

Text & Material Check-out

- **Current Texts**
- **Current Solution Manuals**
- **Supplemental References**

“Atmospheric” Conditions

- **Friendly & Non-intimidating Atmosphere**
- **“Low-Tech” Support**
- **Us - Meeting Individual Needs**
- **Allow Food and Drink**
- **Free Coffee and Goodies**

Faculty Outreach

- **Instructor’s Guide**
- **Faculty Calculator Program**
- **Software Demonstrations**
- **Other Outreach Services**

Instructor’s Guide

- **General Information**
- **Videos**
- **Calculators**
- **Computer Lab**
- **Other Services**
- **FAQs**

Faculty Calculator Program

- **View Screen & Handheld Calculators**
- **Class Sets**
- **Training Programs/Workshops**
- **Toolbox**

Calculator Toolbox

Toolbox Programs:

END	EULER GRAPH
EULER TABLE	LOCAL ONE
LOCAL TWO	NEWTON’S METHOD
NUMERICAL INTEGRATION	QUADRATIC FORMULA
QUOTIENT	RIEMANN RECTANGLES
SIMPSON’S RULE	SLOPE FIELD
ZOOM DECIMAL	ZOOM FIT
ZOOM STANDARD	ZOOM TRIG

Software Demonstrations

- **Provide Overview of Center**
- **User Guides for Specific Software**
- **Demonstrate Software Packages**

Software Packages

- **MathPro Explorer for Prealgebra**
- **Interact for Elementary Algebra**
- **Derive for Several Courses**
- **Maple for Higher Level Courses**
- **Matlab for Higher Level Courses**
- **Minitab for Statistics**
- **Excel for Statistics**
- **PC Logo for Math Education**

Other Outreach Services

- **Use of Center for Faculty Meetings**
- **Homework and Test File**
- **Proctoring of Exams/Tests**
- **Coordination of Take Home Tests**

Marketing Methods

- **Faculty**
- **Brochure and Bookmark**
- **Flyers and Announcements**
- **Working With Other Units**
- **Web Site**
- **Conferences**

Faculty

- **Faculty - Our Best Resource**
 - Syllabus
 - Additional Help
 - Fact-Finding Assignments
 - Faculty Distribute Materials

Brochure and Bookmark

- **Another Way to Market Resources**
 - Texts, Videos, Software
 - Hours, Location
 - Contact and Resource Information

Web Site

- **Our Biggest New Marketing Tool!**
- **Same Information - All This and More!**
 - **Book and Videolists, Tutor Schedules**
 - **Calendar of Events, Career Info, Links to Other Departments**

- **Visit our Web Site!**

www.montgomerycollege.org/Departments/mathscrv

Flyers and Announcements

- **Workshops**
- **Review Sessions**
- **Hours of Operation**
- **Early Closings**
- **Scholarship and Internships**
- **Current News and Events**

Working With Other Units

- **Math and Continuing Education**
- **Math and Academic Computing**
- **Instructional Dean**
- **Rockville Consortium for the Sciences**

Conferences

- **AMATYC - Baltimore, MD**
- **Celebrating Learning - Ocean City, MD**
- **TASS - Cincinnati, OH**
Teaching Academic Survival Skills
- **DEAM - Frederick, MD**
Developmental Education Assoc. of MD

Management Issues

- **The “Golden Rule”**
- **Consistency in Everything**
- **Dealing Effectively with Students with Disabilities**

Conclusion

- **Introduction to the Center**
- **Student Resources**
- **Faculty Resources**
- **Marketing**
- **Management Issues**
- **Our Future**