Course Syllabus

MATH 0100 – Developmental Math Lab

Catalog Description: Practice of fundamental mathematics skills in such areas as arithmetic operations, basic algebraic concepts and notation, geometry, real and complex number systems. Offered primarily for students who must be in continuous remediation. Will not meet graduation requirements (1-0-1).

Prerequisites: None

Semester Credit Hours: 1
Lecture Hours per Week: 0
Lab Hours per Week: 1
Contact Hours per Semester: 16

Course Subject/Catalog Number: MATH 0100
Course Title: Developmental Math Lab

Course Goals

The goal of this course is to increase academic proficiency in expression of mathematical solutions, mathematical reasoning, and mathematical understanding.

Course Objectives

1. To use number concepts and computational skills in numeric reasoning.*

2. To solve word problems involving integers, fractions, or decimals (including percents, ratios, and proportion).

3. To interpret information from a graph, table, or chart.

4. To graph numbers or number relationships.*

5. To solve one- and two-variable equations.

6. To solve word problems involving one and two variables.
7. To communicate and represent mathematical functions and reasoning in a coherent manner.*

8. To apply reasoning skills in mathematic problem solving.

9. To apply algebraic reasoning in expressions and equations.*

10. To recognize and represent functions in mathematics.*

11. To solve problems involving geometric figures and geometric reasoning.*

**Performance and Learning Objectives**

After studying the material presented in lectures and labs, the student should be able to complete all learning and performance objectives with an average of 70% competency in all assignments, tests, and assessments.

1. Use mathematical symbols, terminology, and notation to represent given and unknown information in a problem.*

2. Communicate mathematical ideas, reasoning, and their implications using symbols, diagrams, graphs, and words.*

3. Recognize and distinguish between different types of functions, while understanding and analyzing features of a function.*

4. Interpret multiple representations of equations and relationships.*

5. Application of the fundamental mathematical skills of addition, subtraction, multiplication, and division in numerical reasoning.*

6. Formulate a solution to a real world situation based on the solution to a mathematical problem.*

7. Communicate mathematical ideas, reasoning, and their implications using symbols, graphs, and words.*

8. Create and use representations to organize, record, and communicate mathematical ideas.*

9. Connect and use multiple strands of mathematics in situations and problems.*

10. Connect mathematics to the study of other disciplines.*

11. Use multiple representations to demonstrate links between mathematical and real-world situations.*

12. Know and understand the use of mathematics in a variety of careers and professions.*

(* Denotes alignment with College Readiness Standards.)

**Textbook**

None required.
Other Materials

1. Access to computer
2. WebCT (Provided by Panola College)
3. Notebook
4. Basic Calculator
5. Other materials as assigned by the instructor.

Computer System Requirements

**Web Browser**
Microsoft® Internet Explorer 6.0 or higher, or Netscape Communicator 7.1 or higher.

**Operating System**

**Internet Connection**
56k Modem or higher

**Software**
Web Browser such as Microsoft® Internet Explorer 6.0 or higher, or Netscape Communicator 7.1 or higher. Access to Microsoft Office XP (word, Excel, Access, PowerPoint)

Disability Considerations (ADA and 504)

As mandated by Section 504 of the Rehabilitation Act and rights protected under ADA, students with disabilities may not be discriminated against and are afforded equal access to services offered by the College. If you have a disability, you are not required to disclose the disability to your professor; however, if you wish to gain services or modifications, you must see Teresa Washington and provide proper documentation. As the Disability Support Service Coordinator, you can reach Teresa through email, at twashington@panola.edu, by telephone at 903-693-1123, or in her office in the Miller Administration Building.

Withdrawing from a course

It is the responsibility of the student to withdraw or drop a course. A student interested in doing so should consult the Academic Calendar to determine the last day to drop. Be advised that according to legislation, students in the state of Texas will only be allowed to drop 6 courses over the tenure of their academic endeavors. So think carefully before withdrawing or dropping. However, if you
do not drop your course and you stop attending, you will likely receive an F for the course.

**Technical Skill Requirements**

To be successful in this course, students should be able to
1) Use a web browser
2) Access and use WebCT
3) Access and use Microsoft Office or appropriate word processor
4) Use email for communication
5) Attach and send documents as email attachments
6) Download and install appropriate plug-ins as determined by system needs.

**Classroom Etiquette**

Students are expected to be respectful of the beliefs of others. This includes sensitivity to cultural, familial, language, and manifestations of dress indicative of a global community. Further, students are expected to maintain standard classroom decorum which includes taking turns in speaking, not talking out, attacking other students or faculty either physically, verbally, or emotionally. All language and comments should be appropriate for a community college classroom. Virtual etiquette will not deviate from that required in face to face instruction.

**Methods of Evaluation**

- **Weekly Assignments**
  - 15 assignments at 10 points a piece
  - **150 points**

- **Attendance**
  - 15 weeks at 5 points a piece
  - **75 points**

- **Online Participation**
  - 15 weeks at 5 points a piece
  - **75 points**

- **Accuplacer Practice Test**
  - 2 sessions at 100 points
  - **200 points**

  **500 points**
Semester Average = total points \times 100\% = \text{Grade}

\begin{align*}
A &= 90\%-100\% \quad 451-500 \text{ points} \\
B &= 80\%-89\% \quad 401-450 \text{ points} \\
C &= 70\%-79\% \quad 351-400 \text{ points} \\
D &= 60\%-69\% \quad 301-350 \text{ points} \\
F &= \text{below } 59\% \quad \text{less than } 300 \text{ points}
\end{align*}

Or Pass the MATH Section of the TSI assessment test during the semester and receive a grade equal to your score on the assessment.

**Academic Dishonesty**

Academic Dishonesty will not be tolerated at any level. Academic Dishonesty is defined as the act of or an attempt to pass off someone’s work as your own. It also includes resubmitting work that you submitted in a previous course. Likewise, sharing answers with others, or bringing in unapproved outside resources into an exam is considered a breach of academic honesty. Additionally, the use of cell phones to send, receive, or retrieve any material related to assignments or assessments in the course during the class is also considered a breach.

Should a professor find a student in the act of being dishonest, the student will be subject to an automatic zero for the assignment. Repeated attempts or acts of dishonesty may result in the dismissal from the course with a grade of F attributed.

**Distance Learning Support Services**

The following resources are available at the designated locations on the Panola College campus to assist students taking Internet courses:

- Ann Morris amorris@panola.edu
  Associate Dean of Distance Education
  Gullette Building, Panola Campus
  903-693-2014

- Patti Rushing prushing@panola.edu
  Secretary, VCT Coordinator
  Gullette Building, Panola Campus
  903-693-2013

- Cristie Ferguson cferguson@panola.edu
  Distance Learning Librarian
  M. P. Baker Library, Panola Campus
  903-693-2091

For more information, go to [http://www.panola.edu/distance.htm](http://www.panola.edu/distance.htm).