Syllabus
ACAM 100: Academic Studies Math Prep

Instructor: Julie DePree, Ph.D.   Office: A-142C
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Office Hours: M 1:45-4:15, W 11:30-12:00  Website: www.unm.edu/~jdepree
TR 9:45-10:30, 1:00-2:00, 3rd W of month 1:45-3:00 or by appointment

Catalog Description: ACAM 100: Academic Studies Math Prep (2 credits)
Strategies for successful achievement in mathematics, including techniques for productive time management, effective note taking in mathematics, useful study and test-taking skills for mathematics, and strategies for improving critical thinking and problem-solving ability. Grade Option: RA, RB, RCR, RNC. Placement: Required of all students who place into MATH 100. Co-requisite: Math 100: Introduction to Algebra.

Course Overview: Through innovative, interactive projects and activities, students will develop the skills necessary to succeed in mathematics and will gain confidence in their mathematical ability.

Required Texts and Resources: Ooten, Cheryl, Managing the Mean Math Blues, Prentice Hall and one three binder with dividers

Objectives: Students will:
• budget time for studying mathematics.
• develop useful study and test-taking skills.
• use campus resources for help in mathematics.
• increase critical thinking skills.
• gain confidence in mathematical ability.
• increase repertoire of problem-solving strategies.
• take meaningful notes in mathematics classes.
• understand and use Polya’s four step problem-solving method.

Attendance Policy:
Students are expected to attend regularly and to be on time. Four absences are considered to be excessive and the student may be dropped from the class at the discretion of the instructor.

Classroom Environment
The classroom environment is expected to be one in which everyone has an opportunity to learn. It is an environment that will foster mutual respect among all students and the professor. It is expected that students will participate, and the professor will provide a safe, comfortable atmosphere conducive to participation. It is important that students contribute to this atmosphere by respecting their peers and not disrupting the class with unnecessary use of cell phones or disruptive behavior. If you have any questions about this, please discuss it with the professor.

Disability Statement:
We accommodate students with documented disabilities. During the first two weeks of the semester, those students should inform the instructor of their particular needs.

Support Services:
The Valencia Campus Library provides a quiet atmosphere for study and is an excellent resource for supplementary materials. Audio tapes and video tapes are available for student use through both the library and the Student Enrichment Center. The Student Enrichment Center offers tutorial and individualized instruction at no cost to the student.
Grading Policy:

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<thead>
<tr>
<th>Grade</th>
<th>Percentage</th>
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<tbody>
<tr>
<td>RA</td>
<td>90 - 100%</td>
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<tr>
<td>RB</td>
<td>80 - 89%</td>
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<tr>
<td>RCR C</td>
<td>72 - 79%</td>
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<tr>
<td>RNC</td>
<td>Less than 72%</td>
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Grades will be based on the following:

- Attendance: 25%
- Homework/Notebook Assignments: 25%
- Portfolio: 50%

NOTE: All portfolios are due the last day of class the week before final exams. No late portfolios will be accepted, because portfolios will be assessed by a team of ACAM 100 instructors.

Portfolio Requirements:

- 5 Math project write-ups
- 1 Set of notes for a unit in Math 100
- 2 One-page study sheets for Math 100 exams
- Evidence of use of outside resources for help in mathematics
- Study plan
- Essay on confidence in mathematical ability
- Error analysis for one Math 100 exam

Notebook: Students are required to bring notebooks to class and will work on notebooks in class as well as have them available for periodic checks. Notebooks must contain the following sections which will be updated weekly.

Section One: Time Log: List of all dates of scheduled Math 100 and ACAM 100 classes with a section to record attendance and grades received. A section to record study sessions.

Section Two: Tools of the Trade: This section will have all concepts, facts and formulas that were learned in Math 100 summarized weekly.

Section Three: Math 100 Exams and error analysis of each exam.

Section Four: Journals and ACAM 100 book exercises

Section Five: Problem-Solving
TENTATIVE SCHEDULE:

Week 1  
Notebook Organization: Set up dates for classes and make a study plan.  
Math Anxiety Test  
Story – If Math Was An Animal  
Tour of Campus Resources for Mathematics  
Begin Math Anxiety Discussion – Ch. 3, 4, 5 and 6

Week 2  
Work on notebooks  
Finish Math Anxiety Discussion

Week 3  
Work on Notebooks  
Tackling Test Tremors - Ch. 17  
Time Management Plan

Week 4  
Exam 1 Error-Analysis  
Time Management Plan

Week 5  
Work on notebooks  
Your Learning Mode – Ch. 7, 8, and 9

Week 6  
Work on notebooks  
Finish Learning Modes – Tangram Activity  
Algebra Tile Activity

Week 7  
Problem Solving – Polya’s 4 Problem-Solving Steps  
Handshake Problem  
Webbing – Ch. 14

Week 8  
Work on notebooks  
Problem Solving  
Getting “In the Zone” with Math – Ch. 10 and 11

Week 9  
Work on Notebooks  
Exam 2 Item Analysis  
Problem Solving  
Making Math Memories – Ch. 13

Week 10  
Work on Notebooks  
Problem Solving

Week 11  
Work on Notebooks  
Skills to Bridge the Gap – Ch. 15

Week 12  
Work on notebooks  
Problem Solving

Week 13  
Work on Notebooks  
Problem Solving

Week 14  
Work on Notebooks  
Final Exam Review Sheet

Week 15  
Work on Portfolio

Week 16  
Turn in Portfolio