Lecture Contact Hours: 16-18; Homework Hours: 32-36; Total Student Learning Hours: 48-54

CUYAMACA COLLEGE
COURSE OUTLINE OF RECORD

PERSONAL DEVELOPMENT – SUCCESS SERVICES 092 – MATH STRATEGIES FOR STUDENTS WITH DISABILITIES

1 hour lecture, 1 unit

Catalog Description
Instruction in strategies to improve success in developmental math courses for students with disabilities. Included in the course are test taking strategies, techniques to deal with math anxiety, textbook reading skills, ways to improve note taking and memory, and effective homework practices. Students will identify various aspects of their learning styles and use the information to develop study strategies that are appropriate for a math course. Students with disabilities enrolled in Math 110 would benefit from this course. **Pass/No Pass only. Non-degree applicable**.

Prerequisite
None

Course Content
1) Cognitive style and modality preferences for learning
2) Listening techniques, note-taking strategies, organizational and time-management skills, and effective homework models
3) Memory enhancement techniques and problem solving strategies
4) Differences between math and other subjects regarding studying, textbook reading, test taking, etc.

Course Objectives
Students will be able to:
1) Identify their math learning style.
2) Employ study strategies that utilize their math learning strengths.
3) Practice techniques to reduce math anxiety, test taking strategies, including using available resources.
4) Construct models for effective homework.
5) Discuss areas of math course content that are difficult to grasp.
6) Design effective study tools to improve understanding and retention of math course content.

Method of Evaluation
A grading system will be established by the instructor and implemented uniformly. Grades will be based on demonstrated proficiency in the subject matter determined by multiple measurements for evaluation, one of which must be essay exams, skills demonstration or, where appropriate, the symbol system.
1) In-class activities and oral practice in which students engage in interactive and self-reflective assignments that demonstrate their ability to identify and implement individually appropriate learning strategies to meet their educational needs and improve academic performance.
2) Weekly assignments in which students apply learning strategies presented in class to reinforce and improve their performance relating to their specific learning needs.
3) Practical exercises utilizing specific CAI that demonstrate students' ability to complete assignments using technology as a resource tool.
4) Final written exam in which students demonstrate their ability to identify, define and explain one strategy from another using concrete examples.

Special Materials Required of Student
Highlighters, Post-its, colored index tabs, colored pens, white 3 X 5 index cards, three ringed binder (2" size), zippered pencil/pen holder with three rings for binder

Minimum Instructional Facilities
Standard classroom

Method of Instruction
1) Lecture and discussion with emphasis on practical application
2) Cooperative learning

Out-of-Class Assignments
Specific exercises in the application of math strategies related to course work

Texts and References
1) Required (representative example): None
2) Supplemental: Handouts (provided by instructor)

Student Learning Outcomes
Upon successful completion of this course, students will be able to:
1) Identify specific strategies for studying mathematics textbooks, taking mathematics lecture notes, and organizing course material for test - taking.
2) Utilize specific strategies for reducing math anxiety.