

New Mexico State University at Grants Campus
Spring 2007

Math 112G: Fundamentals of Elementary Mathematics II

3 Cr.

Instructor: Marlene Chavez-Toivanen

Office: MH 113B

Email: marchave@nmsu.edu

Phone: 287-6652

Fax: 287-2329

Office Hours: 8:55 – 9:55 MTuWTh; 4:00 – 4:30 MW; 2:45 – 3:15 TuTh or by appointment

Class Place & Time: MH 111, MW 4:45 – 6:30 p.m.

Text: Mathematics for Elementary Teachers: A Conceptual Approach, Sixth Edition, by Albert B. Bennett, Jr. & L. Ted Nelson (ISBN 978-0-07-305370-7); Manipulative Kit (ISBN 978-0-07-321329-3)

Materials: The use of a scientific calculator will be encouraged at times in this course. The TI-30X II B is preferred. A compass, protractor, ruler, scissors, and graph paper will be required.

Overview: An intuitive development of elementary geometry, measurement and statistics with an appreciation of historical content. A writing and oral presentation component is included. Prerequisite: A grade of C or better in Math 111.

Expected Outcomes: The primary objectives are mathematical: to understand some of the basic concepts of geometry, measurement and statistics with an appropriate level of rigor; to appreciate the historical, cultural and educational contributions and potential applications in real life situations; to gain problem solving skills using these concepts. The secondary goal is to appreciate the importance of this material in the elementary school curriculum (<http://nmlites.org/>). This course fulfills General Education requirements in mathematics.

Instructional Activities: Learning activities will consist of lectures; classroom discussion; collaborative learning activities; homework; preparing for, taking, and reviewing unit exams; completing two projects one of which includes a scholarly research paper, the presentation of it and an artifact representation of your topic.

Homework: Homework assignments will involve working exercises from the text after the appropriate material has been covered in class. When handed in, the assignments should be stapled and in order, and it should be clear to the reader which answers go with which problems and/or their various parts. Assignments should be handed in at the beginning of the class period they are due. **Late homework will not be accepted;** a score of zero will be awarded for a homework assignment not handed in on time.

Exams: There will be two exams during the semester. Each exam will be administered to the entire class, on a specified day (see course schedule). If a student fails to take a unit test on the day that it is given/due to the class, a score of zero will be awarded to the student for that test, and it may only be

made up if the instructor determines that the student had a legitimate excuse for missing it. The instructor may require documentation (ex. Note from doctor for medical reason) in making such determination.

Projects: There will be two projects to complete during the semester. There will be more details and guidelines to be announced in class pertaining to each projects requirements and deadlines.

Evaluation: Your final semester grade will be determined by the following:

- ◆ Homework/Collaborative Learning Activities – 15% of final grade
- ◆ Attendance/Participation – 5% of final grade
- ◆ Two Unit Exams – 40% of final grade
- ◆ Two Projects – 40% of final grade

Grading Scale:

100% – 90%	A
89% – 80%	B
79 %– 70%	C
69%– 60%	D
59% and below	F

Attendance: Your attendance is mandatory. You are responsible for all class activity whether you are in class or not. You are also responsible for turning in your assignment. You may have someone bring your homework to me, fax it to me (287-2329) or email it to me. See the syllabus addendum for more information.

Cell Phones: Cell phones and pagers must be turned off. If yours rings during class, you will be expected to take your possessions and leave class for the day.

Inclement weather: In the event of bad weather, please check our website <http://grants.nmsu.edu/> ; refer to the local TV stations or the local radio station KMIN for possible delays or closures.

Important Dates to Remember:

Last day to drop a course with a "W".....Monday, March 12, 2007

Spring Break-No Class.....March 19 – 23, 2007

Last day to Withdraw from the University.....Friday, April 20, 2007

Tentative Course Schedule

Material from the text will be covered as follows. Please read and take notes on each section to be covered before coming to class. Homework will be assigned after the section has been covered in class.

Date	Section
M 1/22	Introduction
W 1/24	9.1
M 1/29	9.2
W 1/31	9.2 cont.
M 2/5	9.3
W 2/7	9.3 cont.
M 2/12	9.4
W 2/14	11.1
M 2/19	11.1
W 2/21	11.2
M 2/26	11.2
W 2/28	11.3
M 3/5	Review
W 3/7	Exam #1
M 3/12	10.1
W 3/14	10.2
M 3/26	10.2
W 3/28	10.3
M 4/2	10.3
W 4/4	7.1
M 4/9	7.2
W 4/11	7.3
M 4/16	7.4
W 4/18	Lab
M 4/23	Review
W 4/25	Exam #2
M 4/30	Lab
W 5/2	Presentations
M 5/7	Presentations
W 5/9	Presentations

SYLLABUS ADDENDUM

- The instructor may modify this syllabus to meet the needs of a particular class.
- If you have, or believe you have, a disability and would benefit from any accommodation(s), you may wish to register with the Student Services Office on the first floor of Martinez Hall. All medical information will be treated confidentially. After you have registered, please make sure that I receive a copy of the accommodation memorandum from Student services within the first two weeks of class. It will be the student's responsibility to inform me or the office of Student Services (in a timely manner) if services/accommodations provided are not meeting your needs. Feel free to call Ms. Irene Lutz; Campus Student Services Officer at 287-6629 with any questions about the Americans with Disabilities Act (ADA), and/or Section 504 of the Rehabilitation Act of 1973.
- If you have a condition that may affect your ability to exit safely from the premises in an emergency or that may cause an emergency during class, you are encouraged to discuss any concerns with Ms. Irene Lutz; Campus Student Services Officer at 287-6629.
- Any student found guilty of academic misconduct shall be subject to disciplinary action. Academic misconduct includes, but is not limited to, the following actions: cheating; helping other students cheat; plagiarism; unauthorized possession of examinations, reserve library materials or laboratory materials; unauthorized changing of grades on an examination, instructor's grade book or grade report; nondisclosure or misrepresentation in filling out applications or other college records. The following disciplinary actions and sanctions may be imposed for any of the above infractions of regulations: Disciplinary Probation, Disciplinary Suspension, Dismissal, and Expulsion. At the very least, academic misconduct may result in a failing grade in this class.
- Students are expected to attend regularly all classes for which they are registered. When the number of absences is excessive and hinders a student's progress, the instructor may recommend expulsion from the class. For a 15-week course, that means more than three consecutive absences or five cumulative absences. Based on the recommendation of the instructor, and with the concurrence of the Campus Instructional Officer and the Campus Student Services Officer, a student will be dropped for persistent absences or for persistent failure to complete class assignments. Similarly, a student may be dropped for behavior that interferes with the educational environment of the class. Any student who has been dropped has the right to appeal through the student Academic Grievance Policy (see Student Handbook).