

Math 1319 (Math in the Modern World)

SYLLABUS (CRN 22066)

Instructor information: Jaime P. Lepe.

Class meeting information: MWF 1030 - 1120 at Liberal Arts Building 204.

Contact information: jlepe@utep.edu (electronic mail).

Office hours information: Wednesday and Friday 1200 - 1330 at Burges 303.

Textbook information: *The Heart of Mathematics*, Burger and Starbird, 4th edition (3rd is o.k.).

Objective information: We will explore modern applications of accessible topics in mathematics. Appropriate real world skills will be developed using numbers, algebra, infinity, logic, geometry and probability.

Markings information:

- The following formula is used to compute the final grade

$$\frac{h + p + m + f}{4}$$

where h is the homework score, p is the participation score, m is the midterm average and f is the final exam score (all out of 100).

- The usual grading scale is used (90 - 100 is an *A*, 80 - 89 is a *B*, etc.)
- The **Final Exam** will be written on **Friday, May 15, 2015** from **1000 - 1245**. It is comprehensive and mandatory.
- There will be 4 midterms. The lowest midterm score will be disregarded.
- Make-ups for the midterms are only allowed for officially documented reasons in advance.
- Each homework is worth 10 points. There will be 10 - 12 homeworks. Exam problems will be similar to the homework problems.
- Each student will make a presentation. The presentation is worth 100 points graded for clarity and correctness (i.e. no b.s.) with points assessed by the class and instructor.

Drop deadline information: **4/6/2015**. The deans office will **NOT** approve **ANY** drops after this date.

Lecture style information: Casual introduction to the main topic with in-class/group activities. Active participation is a requirement. Applications to this real world will be emphasized at all times.

Civility information: **NO MOBILE PHONES**, walkmans or other disturbances.