

DIFFERENTIAL EQUATIONS 353
SPRING 2005

COURSE INFORMATION

- **INSTRUCTOR** : Przemo Kranz,
Hume 333, tel. 915 7819,
mmkranz@olemiss.edu

- **TEXT**: Dennis G. Zill, A First Course in Differential Equations, 5th ed., Brooks/Cole

- **CLASS MEETS** : M – W – F 1:00 pm – 1:50 pm in Hume 203
- **OFFICE HOURS** : T – Th 8:00 – 11:00 am and by appointment.

- **GRADING** : There will be three tests, each worth 100 pts. and a Final Examination, worth 200 pts. In addition there will be up to 15 quizzes. Only 10 best will be taken into consideration. 90% of the total score (600 pts.) will yield an **A** grade, 80% a **B** grade, *etc.*

- **SYLLABUS**
 - I. INTRODUCTION TO DIFFERENTIAL EQUATIONS.
 - II. FIRST – ORDER DIFFERENTIAL EQUATIONS.
 - III. APPLICATIONS OF THE FIRST – ORDER DE.
 - IV. LINEAR DIFFERENTIAL EQUATIONS OF HIGHER ORDER.
 - V. APPLICATIONS OF SECOND – ORDER DE.
 - VI. LAPLACE TRANSFORM.