

## Math 332: Introduction to Analysis      Spring 2014

**Instructor:**               Shibin Dai  
**Office:**                     SH 243  
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**Telephone:**               575-646-2105.  
**Time and Location:**     MWF 8:30-9:20, SH 112  
**Office Hours:**           M 11:00-11:50, W 3:00-3:50, Th 2:00-3:00 or by appointment  
**Course website:**       <http://www.math.nmsu.edu/~sdai/teaching/math332-spring2014.html>  
**Prerequisite:**             C or better in Math 192 and Math 279.

**Text:** We will use a set of notes by Dr. Ballyk and Dr. Kurtz. The notes will be distributed through the Math office (SH 236) at a cost unlikely to exceed \$10.

**Objectives:** This course in the abstract theory of analysis has two main objectives. First, you will learn topics including continuity, limits, and differentiation. Second, you will develop skills in communicating mathematics. To achieve these objectives, it is extremely important that you read, write, and talk about the subject matter.

### **Reading and writing mathematics:**

Homework will be assigned on a weekly basis. Writing out clear, complete, and concise solutions for the assigned problems will be crucial for you to learn the material. Your submitted work is to be neat and legible, and you must use correct mathematical statements. Your job is to present an organized argument that leads to your conclusions. Illegible or poorly organized homework will not receive full credit.

**Homework (15%):** Homework will usually be due at the beginning of the Friday class. Homework assignments will be posted on the course website. No late homework will be accepted. Grades on homework assignments will consist of two parts: one on the correctness of the mathematics and the other on the clarity of your writing.

**Quizzes (20%):** There will be 5 quizzes during the semester.

**Exams (40%, 20% each):** There will be two exams (time to be announced later).

**Final (25%):** A comprehensive final examination will be held on Wednesday, May 7, 8:00am-10:00am in SH 112.

**Grades:** Grades will be assigned as follows:

A [90%,100%], B [80%,90%), C [70%,80%), D [60%,70%), F [0,60%)

**Make-up Exams:** Make-up exams will be provided only in the case of a documented excused absence. Excused absences include absences due to illness and travel on university or career-related business. (See also the section *Attendance and Student Performance* on pg. 23 of the 2011-2012 Undergraduate University Catalog.) Unless it is an unforeseen circumstance, arrangements must be made prior to the date of the exam.

**Class Attendance/Absence Policy:** It is the student's responsibility to attend class. I expect every student to arrive on time and to remain for the full class period.

**Class Rules:** According to the section *Attendance and Student Performance* on pg. 23 of the 2011-2012 Undergraduate University Catalog "... a student may also be dropped from the class for engaging in behavior that interferes with the educational environment of the class." Examples of behaviors that interfere with the learning environment:

- Students who disturb others with excessive talking during class.
- Students who come to class late or leave early.

- Students who leave the classroom in the middle of the lecture and then return.
- Students who do not turn off cell phones, laptops, pdas, and beepers and put them away while in class.

**Add/Drops, Withdrawals, Incompletes, and S/U Standards:** The deadline for registration/ course additions is Tuesday, January 28, 2014. The last date to **drop the course with a grade of “W”** is **Tuesday March 11**. The student has the primary responsibility for withdrawing from the course. The last day to Withdraw from the University is Thursday, April 17, 2014. An incomplete grade may be given for passable work that could not be completed due to circumstances beyond the student’s control that develop after the last day to withdraw from the course. The minimum standard for an S grade in the class is a C. (For regulations and limitations please refer to the sections *Incomplete Grade* and *S/U Option* on pp. 21-22 of the 2011-2012 Undergraduate University Catalog.)

**Important Notes:**

- Official communication to you will often come through your NMSU e-mail box. Please access it regularly, or forward it to your current use address, as your success in this class may depend on your ability to respond quickly.
- I do not communicate grade information via email.
- I will not compose extra credit assignments for students who want to try to compensate for poor results in another component of the course.
- Feel free to ask questions in class.

**Plagiarism**

Plagiarism is using another person's work without acknowledgment, making it appear to be one's own. Intentional and unintentional instances of plagiarism are considered instances of academic misconduct and are subject to disciplinary action such as failure on the assignment, failure of the course or dismissal from the university. The NMSU Library has more information and help on how to avoid plagiarism at <http://lib.nmsu.edu/plagiarism/>

**Disabilities**

Section 504 of the Rehabilitation Act of 1973 and the Americans with Disabilities Act (ADA) cover issues relating to disability and accommodations. If a student has questions or needs an accommodation in the classroom (all medical information is treated confidentially), contact:

Trudy Luken

Student Accessibility Services (SAS) - Corbett Center, Rm. 244

Phone: 646.6840

E-mail: [sas@nmsu.edu](mailto:sas@nmsu.edu)

Website: [www.nmsu.edu/~ssd/](http://www.nmsu.edu/~ssd/)

**Discrimination**

NMSU policy prohibits discrimination on the basis of age, ancestry, color, disability, gender identity, genetic information, national origin, race, religion, retaliation, serious medical condition, sex, sexual orientation, spousal affiliation and protected veterans status. Furthermore, Title IX prohibits sex discrimination to include sexual misconduct, sexual violence, sexual harassment and retaliation. For more information on discrimination issues, Title IX or NMSU's complaint process contact:

Gerard Nevarez or Agustin Diaz

Office of Institutional Equity (OIE) - O'Loughlin House

Phone: 646.3635

E-mail: [equity@nmsu.edu](mailto:equity@nmsu.edu)

Website: <http://www.nmsu.edu/~eeo/>