

SPRING 2012

MATH 3210

INTRODUCTION TO ANALYSIS II

CRN# 25215

MW 2:00-3:15PM (NIB107)

Jan. 9 2012 – May 4 2012 (3 credit hours)

Instructor: Jie Liu
Office Room #: NIB147
Office Phone #: 652-7983

Email address: liu@dixie.edu
Office Hours: MW 10-11:50AM
TR 2-3:15PM

Course Prerequisites

C or better in Math 3210 (Introduction to Analysis I)

Required Materials

- Text Book: **Advanced Calculus (2nd edition) by Patrick M. Fitzpatrick**

Course Description

All mathematics classes at Dixie State College support the general education goal of the college, and will:

- Require students to perform mathematical processes including fractions, percentages, decimals, proportions/ratios, algebraic equations and/or calculus techniques.
- Provide students with application problems that use a variety of methods including arithmetical, algebraic and geometric methods.
- Challenge students to make inferences from mathematical models that include formulas, graphs and tables.
- Provide students with real-life applications that use a variety of mathematical functions.

Math 3210 is the designed for those interested in advanced mathematics. It is the continuation of MATH 3200(Introduction to Analysis I). The course introduces the construction of rigorous proofs of mathematical claims in beginning analysis.

Disabilities

If you suspect or are aware that you have a disability that may affect your success in the course you are strongly encouraged to contact the Disability Resource Center (DRC) located in the North Plaza Building. The disability will be evaluated and eligible students will receive assistance in obtaining reasonable accommodations. Phone # 435-652-7516

Dmail

All information sent from the college or the instructor will be sent to your Dmail account. You MUST check that email account frequently. You are responsible for knowing what is contained within those messages.

Policy for Absences Related to College Functions

Please refer to college student policy **5.23 Attendance.**

<http://www.dixie.edu/humanres/polstu.html>

Important dates/deadlines

<http://www.dixie.edu/reg/calendar.html>

Resources

Library - <http://library.dixie.edu>

Writing Center - http://new.dixie.edu/english/dsc_writing_center.php

Testing Center - <http://new.dixie.edu/testing>

Tutoring Center - <http://new.dixie.edu/tutoring/>

Course Work

- Homework: Homework will be assigned every class and discussed in the following class. It is essentially important that you seriously work with your homework by yourself first and discuss with your classmates if possible before you attend the next class. Homework will be collected after each chapter. Homework will be graded based on completeness and randomly picked problems.
- Exams: There will be exams after each chapter plus a comprehensive final. Each student is expected to take the examinations scheduled as announced in class. Make-up exams will be given at the discretion of instructor, and only if prior arrangements have been made.
- Attendance: Attending every class is crucial for your grade. Group discussions during class period are really helpful for expressing/clarifying your understanding of abstract concepts embedded through the whole class. You are responsible for all announcements and materials presented in the class.
- Grading: Exams – 80%, Homework – 20%, Grades will be assigned as following:
A (94-100%), **A-** (90-93%), **B+** (87-89%), **B** (83-86%), **B-**(80-82%), **C+**(75-79%), **C** (70-74%), **C-**(65-69%), **D+**(60-64%), **D**(55-59%), **D-**(50-54%), **F**(0-49%)

Enjoy your learning adventure!