



DEPARTMENT OF MATHEMATICS AND STATISTICS  
COURSE OUTLINE

**Course:** MATH 545/MATH 603 - Analysis III

**Dates:** September 11, 2017–December 08, 2017

Lecture	Day	Time	Location	Instructor	Office	Phone	Email	Office Hours
01	TR	11-12:15	MS 427	B Brenken	MS 440	220-3948	<a href="mailto:bbrenken@ucalgary.ca">bbrenken@ucalgary.ca</a>	By appointment

Desire 2 Learn (D2L) course name: Math 501/MATH 603 Analysis III - (Fall 2017)

Department of Mathematics and Statistics – MS476 Telephone number – 403-220-5210

**1. Prerequisites:** Mathematics 447 or a grade of "B+" or better in Pure Mathematics 445 or Mathematics 445.  
(see Section 3.5C of Faculty of Science [www.ucalgary.ca/pubs/calendar/current/sc-3-5.html](http://www.ucalgary.ca/pubs/calendar/current/sc-3-5.html) and Course Descriptions:  
[www.ucalgary.ca/pubs/calendar/current/course-desc-main.html](http://www.ucalgary.ca/pubs/calendar/current/course-desc-main.html))

**2. Grading:** The University policy on grading and related matters is described sections F.1 and F.2 of the online University Calendar. In determining the overall grade in the course the following weights will be used:

Assignments [3]	60 %	
Midterm	20 %	(November 2017)
Math 545 students:		
Project/presentation, or final exam	20 %	(exam scheduled by the registrar)
Math 603 students:		
Final exam (required)	20%	(exam scheduled by the registrar)

**A passing grade in the Final assignment and presentation is essential for an overall grade of C- or better.**

Each piece of work (assignment, midterm test or final examination) submitted by the student will be assigned a percentage score. The student's average percentage score for the various components listed above will be combined with the indicated weights to produce an overall percentage for the course, which will be used to determine the course letter grade [bearing in mind that a grade no higher than D+ will result if the student does not pass the Final Examination]. The conversion between course percentage and letter grade is given below:

Letter Grade Conversions	
Letter Grade	% range
A+	>95
A	88–94.5
A-	84–87.5
B+	80–83.5
B	76–79.5

B-	72–75.5
C+	68–71.5
C	64–67.5
C-	60–63.5
D+	55–59.5
D	50–54.5
F	<50

### 3. Missed Components of Term

**Work:** The regulations of the Faculty of Science pertaining to this matter are found in the Faculty of Science area of the Calendar in [Section 3.6](#). It is the student's responsibility to familiarize himself/herself with these regulations. See also Section E.6 of the University Calendar. In the unlikely event of a health problem, the [Physician/Counsellor Statement Form](#) must be accompanied by either "[Application for Deferred Final Examinations](#)" or an "[Application for Deferment of Term Work](#)" in order to gain approval for such request. For all other missed term work such as quizzes, assignments or midterms, the [Physician/Counsellor Form](#) must be handed directly to your course instructor for approval.

### 4. Course Materials:

#### Some Recommended Texts:

- [Fundamentals of Mathematical Analysis](#), Paul J Sally, Jr. AMS.
- [A first course in Harmonic Analysis](#), Anton Deitmar, Springer Universitext – available electronically on the U of C Library site
- [Probability and Measure Theory](#), (2nd Ed, or latest edition), Robert Ash, Harcourt Academic Press – hard copy available at the library

**Unless otherwise noted by the instructor, access to all D2L/course webpage materials including lecture notes, lab worksheets and solutions, will not be accessible after January 10, 2017.**

5. **Examination Policy:** No aids of any kind. Closed book. Students should also read the Calendar, Section G, on Examinations

### 6. OTHER IMPORTANT INFORMATION FOR STUDENTS:

(a) **Academic Misconduct:** (cheating, plagiarism, or any other form) is a very serious offence that will be dealt with rigorously in all cases. A single offence may lead to disciplinary probation or suspension or expulsion. The Faculty of Science follows a zero tolerance policy regarding dishonesty. Please read the sections of the University Calendar under [Section K](#). Student Misconduct to inform yourself of definitions, processes and penalties

(b) **Assembly Points:** In case of an emergency during class time, be sure to FAMILIARIZE YOURSELF with the information on [assembly points](#).

(c) **Academic Accommodation Policy:** Students with documentable disabilities are referred to the following links: [Calendar entry on students with disabilities](#) and [Student Accessibility Services](#). Students needing an Accommodation in relation to their coursework or to fulfill requirements for a graduate degree, based on a Protected Ground other than Disability, should communicate this need, preferably in writing, to the Associate Head of Mathematics and Statistics, Jim Stallard, by email at [jbstall@ucalgary.ca](mailto:jbstall@ucalgary.ca) or by phone at 403-220-3953.

- (d) **Safewalk:** Campus Security will escort individuals day or night (<http://www.ucalgary.ca/security/safewalk/>). Call 403-220-5333 for assistance. Use any campus phone, emergency phone or the yellow phones located at most parking lot pay booths.
- (e) **Freedom of Information and Privacy:** This course is conducted in accordance with the Freedom of Information and Protection of Privacy Act (FOIPP). As one consequence, students should identify themselves on all written work by placing their name on the front page and their ID number on each subsequent page. For more information see also <http://www.ucalgary.ca/secretariat/privacy>.
- (f) **Student Union Information:** VP Academic Phone: 220-3911 Email: [suvpaca@ucalgary.ca](mailto:suvpaca@ucalgary.ca).  
SU Faculty Rep. Phone: 220-3913 Email: [sciencerep@su.ucalgary.ca](mailto:sciencerep@su.ucalgary.ca); [Student Ombudsman](#)
- (g) **Internet and Electronic Device Information:** Your cell phone should be turned off during classes and tests. Also, communication with other individuals, via laptop computers, Blackberries or other devices connectable to the Internet is not allowed in class time. If you violate this policy you may be asked to leave the classroom. Repeated abuse may result in a charge of misconduct.
- (h) At the University of Calgary, feedback provided by students through the Universal Student Ratings of Instruction (USRI) survey provides valuable information to help with evaluating instruction, enhancing learning and teaching, and selecting courses ([www.ucalgary.ca/usri](http://www.ucalgary.ca/usri)). Your responses make a difference - please participate in USRI Surveys.

Department Approval \_\_\_\_\_ Date \_\_\_\_\_