



WHAT CAN YOU DO  
TO *reduce the cost*  
OF A UNIVERSITY  
EDUCATION?

Intrigued? Find out more at:  
<http://guides.library.pdx.edu/oers>

November 2015



Portland State  
UNIVERSITY

Marilyn Moody,  
Dean, University Library,  
Portland State University  
February 23, 2017

Testimony on HB 2729

House Committee on Higher Education and  
Workforce Development

# Introduction to Mathematical Analysis

MTH 311  
Introduction to Mathematical Analysis

Beatriz Lafferriere  
Gerardo Lafferriere  
Nguyen Mau Nam

This title and other open textbooks published by Portland State University faculty authors are available at:

<http://pdxscholar.library.pdx.edu/pdxopen/>



# Introduction to Mathematical Analysis (First Edition)

**Beatriz Lafferriere**, *Portland State University*

[Follow](#)

**Gerardo Lafferriere**, *Portland State University*

[Follow](#)

**Nguyen Mau Nam**, *Portland State University*

[Follow](#)

[Buy this Book](#)

[Read Online](#)



4,683 Downloads

Since December 10,  
2014



Included in

[Mathematics Commons](#)

SHARE



**Download Full Text (1.3 MB)**

[PDF Download](#)

## Description

This is the first edition.

Our goal with this textbook is to provide students with a strong foundation in mathematical analysis. Such a foundation is crucial for future study of deeper topics of analysis. Students should be familiar with most of the concepts presented here after completing the calculus sequence. However, these concepts will be reinforced through rigorous proofs.

The textbook contain topics of real analysis usually covered in a 10-week course: the completeness axiom, sequences and convergence, continuity, and differentiation. The lecture notes also contain many well-selected exercises of various levels. Although these topics are written in a more abstract way

compared with those available in some textbooks, teachers can choose to




# Beginning Japanese for Professionals: Book 1

[Emiko Konomi](#), *Portland State University*

[Follow](#)

[Read Online](#)

 **1,166** Downloads  
*Since December 28,  
2015*

 **Included in**  
[Japanese Studies](#)  
[Commons](#)

**SHARE**



**Download Full Text (1.3 MB)**

[PDF Download](#)

EPUB e-book (639 KB)

[Download](#)

Before We Begin (173 KB)

[Download](#)

Lesson 0 (248 KB)

[Download](#)

Lesson 1 (560 KB)

[Download](#)

Lesson 2 (734 KB)

[Download](#)

Lesson 3 (345 KB)

[Download](#)

Lesson 4 (359 KB)

[Download](#)

Audio - Lesson 0. Instructor Directions (4.5 MB)

[Download](#)

Audio - Lesson 0. Drill A (19.8 MB)

[Download](#)