

## MATH 351 Typesetting with LaTeX

### 1. Catalog Description

#### **MATH 351 Typesetting with LaTeX**

**1 unit**

CR/NC

Prerequisite: Junior standing.

Preparing documents, especially mathematical ones, using LaTeX and AMS-LaTeX. Credit/No Credit grading only. 1 lecture.

### 2. Required Background or Experience

Junior standing.

### 3. Learning Objectives

Upon successful completion of this course, students should:

- a. Be able to write mathematical documents, senior projects, and resumés using LaTeX and AMS-LaTeX.

### 4. Text and References

- Griffiths, David F. and Desmond J. Higham, Learning LaTeX
- Lamport, Leslie, LaTeX: A document preparation system

### 5. Minimum Student Materials

Paper, pencils, and notebook.

### 6. Minimum University Facilities

Advanced workstations with mathematical software installed. Classroom with ample chalkboard space.

7. Content and Method

<u>Topics</u>	<u>Lectures</u>
a. Introduction	1
b. Basic LaTeX	1
c. Typesetting Mathematics	2
d. AMS-LaTeX	2
e. Graphics	1
f. Bibliographies	1
g. Other Documents	1
h. Miscellany	<u>1</u>
Total	10

8. Methods of Assessment

Credit in Math 351 will be awarded on the basis of attendance and participation in classroom activities, written assignments and projects.