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LAKELAND COMMUNITY COLLEGE - COURSE OUTLINE FORM

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ORIGINATION DATE: 08/02/99 APPROVAL DATE: 03/01/00  
LAST MODIFICATION DATE: 04/02/08 EFFECTIVE TERM/YEAR: FALL/ 00

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COURSE ID: MATH2900  
COURSE TITLE: Special Topics in Mathematics

	LECTURE	LAB	CLINICAL	TOTAL	OBR MIN	OBR MAX
CREDITS:	0.00	0.00	0.00	0.00	1.00	3.00
CONTACT HOURS:	0.00	0.00	0.00	0.00		

LECTURE CREDITS MAY VARY FROM 1.00 TO 3.00

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**PREREQUISITE:**

(None)

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**COURSE DESCRIPTION:**

These specialized courses provide in-depth examinations of mathematics topics not covered in detail elsewhere in the curriculum.

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**RATIONALE FOR COURSE:**

These specialized courses provide in-depth examinations of mathematics topics not covered in detail elsewhere in the curriculum.

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**GENERAL COURSE GOALS:**

The course will

(Specific additional goals will vary based on the mathematics concepts approved for study)

1. Introduce and provide for the study of mathematical concepts not covered in detail elsewhere in the curriculum.
2. Encourage students' development of skills related to the topic.

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**COURSE OBJECTIVES:**

Upon completion of the course, the student should be able to

(Specific additional objectives will vary based on the mathematics concepts approved for study)

1. Define terms and explain concepts pertaining to the topic.
2. Apply concepts pertaining to the topic.

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**COURSE OUTLINE:**

(Specific additional items will vary based on the mathematical concepts approved for study)

- I. Introduction and Overview
- II. Terminology and Concepts

### III. Application

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**INSTRUCTIONAL PROCEDURES THAT MAY BE UTILIZED:**

(Procedures will vary based on the mathematics concepts approved for study)

Lecture and labs  
Assigned reading and research  
Presentations

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**GRADING PROCEDURES:**

Grading procedures will vary based on the mathematics concepts approved for study. Evaluations may be based on examinations, homework assignments, research projects, presentations, etc.

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**COURSE EVALUATION PROCEDURES:**

Student evaluations  
Instructor self-evaluation  
Discussion among faculty

**LAKELAND LEARNING OUTCOMES**

	<b>Methods of Assessment</b>								
	1	2	3	4	5	6	7	8	9
<b>LEARNS ACTIVELY</b>									
1. Takes responsibility for his/her own learning									
2. Uses effective learning strategies									
3. Reflects on effectiveness of his/her own learning strategies									
<b>THINKS CRITICALLY</b>									
4. Identifies an issue or idea									
5. Explores perspectives relevant to an issue or idea									
6a. Identifies options or positions									
6b. Critiques options or positions									
7. Selects an option or position									
8a. Implements a selected option or position									
8b. Reflects on a selected option or position									
<b>COMMUNICATES CLEARLY</b>									
9a. Uses correct spoken English									
9b. Uses correct written English									
10. Conveys a clear purpose									
11. Presents ideas logically									
12a. Comprehends the appropriate form(s) of expression									
12b. Uses the appropriate form(s) of expression									
13. Engages in an exchange of ideas									
<b>USES INFORMATION EFFECTIVELY</b>									
14. Develops an effective search strategy									
15a. Uses technology to access information									
15b. Uses technology to manage information									
16. Uses selection criteria to choose appropriate information									
17. Uses information responsibly									
<b>INTERACTS IN DIVERSE ENVIRONMENTS</b>									
18a. Demonstrates knowledge of diverse ideas									
18b. Demonstrates knowledge of diverse values									
19. Describes ways in which issues are embedded in relevant contexts									
20a. Collaborates with others									
20b. Collaborates with others in a variety of situations									
21. Acts with respect for others									

<b>Methods of Assessment Codes:</b>		
1. Test/Examination	4. Collaborative Writing	7. Portfolio
2. Homework/Written Assignment	5. Presentation	8. Demonstration of Skills
3. Research Project	6. Lab Project	9. Other (Specify in Grading Procedures)