

1990-91

Registrar

GRANDE PRAIRIE REGIONAL COLLEGE  
DEPARTMENT OF HUMANITIES AND SOCIAL SCIENCES

SEP 04 1990

**COURSE:** PH 233: ELEMENTARY SYMBOLIC LOGIC  
Winter 1991

**INSTRUCTOR:** John O. Langenbach  
**PHONE:** Office: 539-2992, Room #D327  
Home: 532-8413

**COURSE DESCRIPTION:**

An introduction to modern symbolic logic including sentential and predicate logic with an emphasis on the application of formal techniques to ordinary language.

**COURSE OBJECTIVES:**

Introduce students to:  
Sentential logic;  
First-order predicate logic;  
Translation of statements and arguments from ordinary language to symbolic notation;  
Proof techniques and semantic devices to analyze and evaluate arguments.

**TEXT:**

Bergman, Moor, Nelson, The Logic Book, Random House, New York 2nd edition, 1990.  
Bergman, Moor, Nelson, Solutions to Selected Exercises in The Logic Book, Random House, New York, 2nd edition, 1990.

**ASSIGNMENTS:**

Weekly quizzes and/or homework assignments - 15% of course grade;  
Two one-hour exams - 25% each of course grade;  
Final exam - 35% of course grade.

**GRADING CRITERIA:**

All written work will be graded on:  
1. Indicated knowledge of material;  
2. Accuracy of work; and  
3. Completeness, clarity, brevity, conciseness, succinctness, precision, etc.

**SCHEDULE:**

The following will be covered in the order presented:  
Chapters 1, 2, 3, 5, 8.1, and 10  
Lectures will include material not contained in the text.