

**EASTERN SCHOOL DISTRICT
COURSE DESCRIPTION AND EVALUATION**

**MATHEMATICS 1204
September 2006**

Description

Mathematics 1204 is a two-credit mathematics course intended for the majority of students in Level I.

Unit Overview

(Instructional/Evaluation percentages*)

Unit 3 - Patterns, Relations, Equations, and Predictions	23%
Unit 4 - Modeling Functional Relationships	21%
Unit 1 - Data Management	15%
Unit 5 - How far? How tall? How steep?	17%
Unit 6 - The Geometry of Packaging	10%
Unit 7 - Linear Programming	11%
Unit 2 - Networks and Matrices	03%

Evaluations

Tests/Quizzes	25%
Mid-year Exam	15%
Final Exam	40%
Other Forms of Assessment	20%
Assignments	
Portfolio	
Journals	
Presentations	
Class Participation	
Projects	
Homework	

**EASTERN SCHOOL DISTRICT
COURSE DESCRIPTION AND EVALUATION**

**MATHEMATICS 1206
September 2006**

Description

Mathematics 1206 is a two credit mathematics course designed for students in Level I who struggled with the Intermediate Mathematics Program. Students who achieve well in Mathematics 1206 will have the option of moving to the academic program in subsequent years (such a student would require some supplementary work) or continuing with the practical mathematics program.

Unit Overview

(Instructional/Evaluation percentages*)

Unit 3 - Patterns, Relations, Equations, and Predictions	19%
Unit 4 - Modeling Functional Relationships	14%
Unit 1 - Data Management	19%
Unit 5 - How far? How tall? How steep?	19%
Unit 6 - The Geometry of Packaging	19%
Unit 2 - Matrices	10%

Evaluations

Tests/Quizzes	50%
Other Forms of Assessment	50%
Assignments	
Portfolio	
Journals	
Presentations	
Class Participation	
Projects	
Homework	

COURSE DESCRIPTION AND EVALUATION

MATHEMATICS 2204

September 2006

Description

Mathematics 2204 is a two-credit mathematics course intended for the majority of students who successfully complete Mathematics 1204 and any student who does extremely well in Mathematics 1206 (such a student would require some supplementary work).

Unit Overview

(Instructional/Evaluation percentages*)

Unit 1 - Investigating Equations in 3 Space	28%
Unit 2 - Independent Study	05%
Unit 3 - Sinusoidal Functions	15%
Unit 4 - Trigonometric Equations	23%
Unit 5 - Statistics	18%
Unit 6 - Trigonometry and its Applications	11%

Evaluations

Tests/Quizzes	20%
Independent Study	05%
Mid-year Exam	15%
Final Exam	40%
Other Forms of Assessment	20%
Assignments	
Portfolio	
Journals	
Presentations	
Class Participation	
Projects	
Homework	

MATHEMATICS 2205
September 2006

Description

Mathematics 2205 is a two-credit Mathematics course intended for students who did extremely well in Mathematics 1204. This advanced course will involve greater depth of treatment of outcomes than what would be expected in academic Mathematics 2204.

Unit Overview

(Instructional/Evaluation percentages*)

Unit 1 - Investigating Equations in 3 Space	28%
Unit 2 - Independent Study	05%
Unit 3 - Sinusoidal Functions	15%
Unit 4 - Trigonometric Equations	23%
Unit 5 - Statistics	18%
Unit 6 - Trigonometry and its Applications	11%

Evaluations

Tests/Quizzes	20%
Independent Study	05%
Mid-year Exam	15%
Final Exam	40%
Other Forms of Assessment	20%
Assignments	
Portfolio	
Journals	
Presentations	
Class Participation	
Projects	
Homework	

MATHEMATICS 2206
September 2006

Description

Mathematics 2206 is a two credit mathematics course designed for students in Level II who are struggling with the high school academic math program.

Unit Overview

(Instructional/Evaluation percentages*)

Unit 1 - Making Choices: Linear Programming	27%
Unit 2 - Mathematics- Check it out	10%
Unit 3 - Decision Making in Consumer Situations	27%
Unit 4 - Statistics	18%
Unit 5 - Trigonometry	18%

Evaluations

Tests/Quizzes	50%
Other Forms of Assessment	50%
Assignments	
Portfolio	
Journals	
Presentation	
Class Participation	
Projects	
Homework	

EASTERN SCHOOL DISTRICT
COURSE DESCRIPTION AND EVALUATION

MATHEMATICS 3103

September 2006

Description

Mathematics 3103 is a one-credit course intended to enhance the mathematical skills of those students planning on entering post secondary mathematics programs. This course is usually done as a complement to, and concurrently with Mathematics 3204. The course is designed to supplement, not replace, other senior high mathematics courses.

Unit Overview

(Instructional/Evaluation percentages*)

Unit 1 - Reinforcing Number Concepts and Skills	20%
Unit 2 - Exponents	20%
Unit 3 - Solving Polynomial Equations	20%
Unit 4 - Simplifying Expressions and Rearranging Formulas	25%
Unit 5 - Functions: Compositions and Inverses	15%

Evaluations

Tests/Quizzes	80%
Other Forms of Assessment	20%
Assignments	
Portfolio	
Journals	
Presentations	
Class Participation	
Projects	
Homework	

**EASTERN SCHOOL DISTRICT
COURSE DESCRIPTION AND EVALUATION**

**MATHEMATICS 3204
September 2006**

Description

Mathematics 3204 is a two-credit mathematics course intended for the majority of high school students.

Unit Overview

(Instructional/Evaluation percentages*)

Unit 1 - Quadratics	28%
Unit 2 - Exponential Geometry (Sections 1-5)	23%
Unit 3 - Rate of Change	06%
Unit 4 - Exponential Geometry (Sections 6-7)	10%
Unit 5 - Circle Geometry	33%
Unit 6 - Probability (Optional - not tested on public exam)	

Evaluations

Tests/Quizzes	20%
Mid-year Exam	15%
Public Exam	50%
Other Forms of Assessment	15%
Assignments	
Portfolio	
Journals	
Presentations	
Class Participation	
Projects	
Homework	

**EASTERN SCHOOL DISTRICT
COURSE DESCRIPTION AND EVALUATION**

**MATHEMATICS 3205
September 2006**

Description

Mathematics 3205 is a two-credit mathematics course intended for students who did reasonably well in Mathematics 2205. This advanced course will involve greater depth of treatment of outcomes than what would be expected in the academic Mathematics 3204.

Unit Overview

(Instructional/Evaluation percentages*)

Unit 1 - Quadratics	28%
Unit 2 - Exponential Geometry (Sections 1-5)	23%
Unit 3 - Rate of Change	06%
Unit 4 - Exponential Geometry (Sections 6-7)	10%
Unit 5 - Circle	33%
Unit 6 - Probability (Optional - not tested on public exam)	

Evaluations

Tests/Quizzes	20%
Midterm Exam	15%
Public Exam	50%
Other Forms of Assessment	15%
Assignments	
Portfolio	
Journals	
Presentations	
Class participation	
Projects	
Homework	

EASTERN SCHOOL DISTRICT COURSE DESCRIPTION AND EVALUATION

**MATHEMATICS 3206
September 2006**

Description

Mathematics 3206 is a two-credit course intended for students who have experienced considerable difficulties in mathematics throughout their high school program, and who intend to pursue careers in which practical mathematics is acceptable for entrance to post secondary programs. Students need to have completed either Mathematics 1204 or Mathematics 1206 in order to take this course.

Unit Overview

(Instructional/Evaluation percentages*)

Unit 1 - Patterns	10%
Unit 2 - Quadratics	20%
Unit 3 - Exponential Growth	20%
Unit 4 - Geometry of Design	30%
Unit 5 - Probability	20%

Evaluations

Tests/Quizzes	50%
Other Forms of Assessment	50%
Assignments	
Portfolio	
Journals	
Presentation	
Class Participation	
Projects	
Homework	

**EASTERN SCHOOL DISTRICT
COURSE DESCRIPTION AND EVALUATION
MATHEMATICS 3207
September 2006**

Description

Mathematics 3207 is a two-credit course and is the fourth course in the advanced mathematics program. The course is intended for students who plan to pursue calculus when they reach post secondary studies. Students may do Mathematics 3207 concurrently with Mathematics 3204 or 3205.

Unit Overview

(Instructional/Evaluation percentages*)

Unit 1 - Trigonometry (Sections 4.1, 4.2, 4.4)	20%
Unit 2 - Complex Numbers (Section 5.1)	06%
Unit 3 - Sequences & Series (Sections 1.1, 1.2, 1.4)	20%
Unit 4 - Functions 1 (Sections 2.1, 2.2, 2.3, 2.4, 2.5, 2.6)	26%
Unit 5 - Functions 2 (Sections 3.1, 3.2, 3.3, 3.4, 3.5, 3.6, 3.7)	28%

Evaluations

Tests/Quizzes	20%
Mid-year Exam	15%
Common Provincial Exam	50%
Other Forms of Assessment	15%
Assignments	
Portfolio	
Journals	
Presentation	
Class Participation	
Projects	
Homework	