Subject: Basic Mathematics   Department: Mathematics
Grade: Mathayom 1   Course Code MA21101
Hours: 3   Credit 1.5

Course Description

Basic Mathematics, or Math Course 3, is the continuation of the Math Course 2. Math 3 is normally taken in the 7th grade (M.1). The aim is to prepare students for Algebra I in the 8th grade (M.2). Math 3 provides a strong foundation for success in Algebra I and future math courses. The topics conform to the Basic Education Curriculum issued by the Ministry of Education of Thailand. The five major units of course content are number and operations, algebra, geometry and measurement, data analysis and probability, and problem solving. Each lesson is followed by skill practice and multi-step problem solving problems to prepare students for standardized tests. Since there are many overlap materials with Algebra I, the students should be in an excellent position to succeed in the Algebra I upon completion of Math 3.

EIP Mathayom Course Description
First Semester

Subject: Basic Mathematics   Department: Mathematics
Grade: Mathayom 2   Course Code: MA22101
Hours: 3   Credit: 1.5

Course Description

The Basic Mathematics course consists of a formal introduction to the study of algebra. It is
a mandatory class for Mathayom 2 level students; this course is required by the Ministry of
Education (Thailand) and Bangkok Christian College. The Basic Mathematics course studies
real numbers and their properties, statistics, and liner equations in two variables.

Subject: Basic Mathematics   Department: Mathematics
Grade: Mathayom 3   Course Code: MA23101
Hours: 3   Credit: 1.5

Course Description

This course in Basic Mathematics is required of all students in Mathayom 3. The material to be covered during the semester was selected in accordance with the Basic Education Curriculum issued by the Ministry of Education Thailand. During the term the material covered will meet and exceed all educational indicators and standards. The primary focus in this term will be the study of Advanced Algebra, Quadratic Equations, Polynomials, and other Precalculus topics. The course, along with Additional Mathematics, is designed to provide students with the background needed for further study of Precalculus, Calculus and college mathematics.

EIP Mathayom Course Description
First Semester

Subject: Basic Mathematics   Department: Mathematics
Grade: Mathayom 4   Course Code: MA31101
Hours: 4   Credit : 2

Course Description:

This course in basic mathematics is required of students in Mathayom 4 with an emphasis in Languages. The material to be covered during the year was selected in accordance with the Basic Education Curriculum issued by the Ministry of Education Thailand. During the year the material covered will meet and exceed all educational indicators and standards.

The primary focus in this year will be the study of set theory, number patterns, basic equations and inequalities, and basic functions and graphs. The course is designed to provide students with the basic mathematics background for university admission

EIP Mathayom Course Description
First Semester

Subject: Basic Mathematics   Department: Mathematics
Grade:Mathayom 4   Course Code: MA31101
Hours:4   Credit:2

CourseDescription:

This course in Basic Mathematics is required of all students in Mathayom 4 who intend to
continue the study of Mathematics at the University level, specifically those with Science,
Engineering and Medicine or Business, Finance and Economics emphasis.

The material covered during the semester was selected to meet or exceed all learning
standards and indicators set forth in the Basic Education Curriculum issued by the Ministry of
Education Thailand. Precalculus topics covered in this course include set theory and linear,
polynomial, exponential and logarithmic functions. The course, along with Additional
Mathematics, is designed to provide students with the precalculus background needed for
further study of Calculus and college mathematics.

EIP Mathayom Course Description
First Semester

Subject: Basic Mathematics   Department: Mathematics
Grade: Mathayom 5   Course Code: MA32101
Hours: 2   Credit: 1

Course Description

This course in basic mathematics is required of students in Mathayom 5 with an emphasis in
Math and English or Math and Science. The material to be covered during the year was
selected in accordance with the Basic Education Curriculum issued by the Ministry of
Education Thailand. During the year the material covered will meet and exceed all
educational indicators and standards. The primary focus in this semester will be the detailed
study of Trigonometry. The course, along with Addition Mathematics, is designed to provide
students with the precalculus background needed for further study of calculus and college-
level mathematics.

EIP Mathayom Course Description
First Semester

Subject: Basic Mathematics for Art and Language   Department: Mathematics
Grade: Mathayom 5   Course Code: MA32101(H)
Hours: 2   Credit: 1

Course Description

This Basic Mathematics course is mandatory for Mathayom 5 students. The material to be
covered during the year was selected in accordance with the Basic Education Curriculum
issued by the Ministry of Education Thailand (BE2551). During the year the material
covered will meet and exceed all educational indicators and standards. The course includes
the study of exponential functions, basic trigonometry, solving trigonometric equations, and
trigonometric applications.

EIP Mathayom Course Description
First Semester

Subject: Basic Mathematics   Department: Mathematics
Grade:Mathayom 5   Course Code: MA32101
Hours:2   Credit:1

CourseDescription:

This course in basic mathematics is required of students in Mathayom 5 with an emphasis in Business, Finance and Economics. The material covered during the semester was selected to meet or exceed all learning standards and indicators set forth in the Basic Education Curriculum issued by the Ministry of Education Thailand. The primary focus in this semester will be the detailed study of Probability and Statistics. The course, along with Addition Mathematics, is designed to provide students with the precalculus background needed for further study of calculus and college-level mathematics.

EIP Mathayom Course Description
First Semester

Subject: Basic Mathematics for Art and Language   Department: Mathematics
Grade: Mathayom 6   Course Code: MA33101(H)
Hours:2   Credit: 1

Course Description

The content covered in this Basic Mathematics is mandatory for Mathayom 6 level students. The material to be covered during the year was selected in accordance with the Basic Education Curriculum issued by the Ministry of Education Thailand (BE2551). During the year the material covered will meet and exceed all educational indicators and standards. The course is designed to be a final review and revision of the mathematics topics covered in Mathayom 4 and 5. Students taking this course will generally be those interested in studying arts and/or languages at university.

EIP Mathayom Course Description
First Semester

Subject: Basic Mathematics   Department: Mathematics
Grade: Mathayom 6 – Engineering, Science, and Medicine   Course Code: MA33101(E)
Hours:2   Credit: 1

Course Description

This course in basic mathematics is required of students in Mathayom 6 who intend to pursue
further education and a career in Engineering, Science, Medicine, and related areas. The
material to be covered during the year was selected in accordance with the Basic Education
Curriculum issued by the Ministry of Education Thailand. During the year the material
covered will meet and exceed all educational indicators and standards. The primary focus in
this term will be the detailed study of Differential Calculus with an emphasis on applications
to engineering and science. The course, along with Additional Mathematics, is designed to
provide students with the calculus background needed for further study of calculus and
college-level mathematics.

Subject: Basic Mathematics   Department: Mathematics
Grade: Mathayom 6 – Business, Finance, and Economics   Course Code: MA33101(B)
Hours: 2   Credit: 1

Course Description

This course in basic mathematics is required of students in Mathayom 6 who intend to pursue further education and a career in Engineering, Science, Medicine, and related areas. The material to be covered during the year was selected in accordance with the Basic Education Curriculum issued by the Ministry of Education Thailand. During the year the material covered will meet and exceed all educational indicators and standards. The primary focus in this term will be the detailed study of Differential Calculus with an emphasis on applications to engineering and science. The course, along with Additional Mathematics, is designed to provide students with the calculus background needed for further study of calculus and college-level mathematics.

Mathematics