



## TQF.5 Course Report

**Course Code:** BMA3405

**Course Title:** Vedic Mathematics

**Credits:** 3(3-0-6)

**Semester /Academic Year:** 2/2024

**Students:** Bachelor of Education (Mathematics) (Bilingual Program)

**Lecturers:** Mr. Luechai Tiprungsri

College of Hospitality Industry Management

Suan Sunandha Rajabhat University

## Course Report

**Institution:** Suan Sunandha Rajabhat University

**Campus/Faculty/Department:** College of Hospitality Industry Management

### Section1: General Information

1. **Course Code and Title:** BMA3405 Vedic Mathematics

2. **Pre-requisite (if any):** None

3. **Faculty Members Teaching the Course and Sections**

Mr. Luechai Tiprungssee

Tuesday 9.00 – 12.00 (Online/On-site/On-Demand)

**Semester and Academic Year**

Semester 2, Academic Year 2024

4. **Venue**

College of Hospitality Industry Management, Suan Sunandha Rajabhat University  
(Nakon Pathom Campus)

### Section 2: Actual Teaching Hours Compared with Teaching Hours Specified in the Teaching Plan

1. **Number of actual teaching hours compared with the teaching plan**

Topics	No. of teaching hours in the plan	No. of actual teaching hours	Reason(s) (in case the discrepancy is more than 25%)
<b>Course Introduction</b> - Course outlines - Grading criteria Pretest <b>Chapter 1:</b> Introduction to Vedic Mathematics	8	8	-
<b>Chapter 2:</b> Accelerated addition and subtraction	8	8	-
<b>Chapter 3:</b> High speed multiplication	12	12	-

Topics	No. of teaching hours in the plan	No. of actual teaching hours	Reason(s) (in case the discrepancy is more than 25%)
Midterm 2 Hours			
<b>Chapter 4:</b> High speed division	8	8	-
<b>Chapter 5:</b> Faster solving equation and factorization	8	8	-
<b>Chapter 6:</b> Divisibility and recurring decimals	8	8	
<b>Chapter 7:</b> Exponents: squares and square roots, cubes and cube roots	8	8	
Final Examination 2 Hours			
<b>Total</b>	<b>64<sup>+</sup></b>	<b>64<sup>+</sup></b>	Extra Hours for Independence Study

**2. Topics that couldn't be taught as planned**

Topics that couldn't be taught (if any)	Significance of the topics that couldn't be taught	Compensation
None	None	None

**3. Effectiveness of the teaching methods specified in the Course Specification**

Learning Outcomes	Teaching methods specified in the course specification	Effectiveness (Use ✓)		Problems of the teaching method(s) (if any) and suggestions
		Yes	No	
1. Morals and Ethics	Demonstration and Group Work	✓	-	-
2. Knowledge	Problem-Based and Technology-Based Learning	✓	-	-
3. Cognitive Skills	Problem-Based and Technology-Based Learning	✓	-	-
4. Interpersonal Skills and Responsibilities	Interpersonal Communication and Interaction	✓	-	-

Learning Outcomes	Teaching methods specified in the course specification	Effectiveness (Use ✓)		Problems of the teaching method(s) (if any) and suggestions
		Yes	No	
5. Numerical Analysis, Communication and Information Technology Skills	Inquiry-based and Internet-Based Learning	✓	-	-
6. Learning Management Skills	Problem-Based and Application Tools in Mathematics	✓	-	-

#### 4. Suggestions for Improving Teaching Methods

Using problem solving and ICT-based approach as teaching strategies.

### Section 3: Course Outcomes

1. Number of registered students: 19 students
2. Number of students at the end of semester: 19 students
3. Number of students who withdrew (W): none
4. Grade distribution

Grade	No. of students	Percentage
A	10	52.63
A-	2	10.53
B+	2	10.53
B	2	10.53
B-	-	-
C+	2	10.53
C	1	5.25
C-	-	-
D+	-	-
D	-	-
D-	-	-
F	-	-
Incomplete (I)	-	-
Total	19	100

**5. Factors causing unusual distribution of grades (If any)**

One student got Grade I, because she had foot abscess surgery and did not take the final exam. However, she will take the final exam as soon as possible.

**6. Discrepancies in the evaluation plan specified in the Course Specification**

6.1 Discrepancy in evaluation time frame

Details of Discrepancy	Reasons
Using online midterm test / take home test for three hours according to academic announcement.	COVID 19 pandemic

6.2 Discrepancy in evaluation methods

Details of Discrepancy	Reasons
Using online midterm test / take home test	COVID 19 pandemic

**7. Verification of students' achievements**

Verification Method(s)	Verification Result(s)
Program Committee Approval	Approved

**Section 4: Problems and Impacts**

**1. Teaching and learning resources**

<p><b>Problem:</b></p> <p>Due to students were limited to use computer or mobile devices.</p>	<p><b>Impacts on students' learning:</b></p> <p>Some students could not connect the program, but the students can download lessons from lecturer's website.</p>
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**2. Administration and organization**

Problems from administration	Impacts on students' learning
None	None
Problems from organization	Impacts on students' learning
None	None

## Section 5: Course Evaluation

### 1. Results of course evaluation by students

#### 1.1 Important comments from evaluation by students

Students had weaknesses in learning mathematics using English communication in writing steps of problem solving.

#### 1.2 Faculty members' opinions on the comments in 1.1

The lecturers should engage students in learning activities by using English-Thai for understanding.

### 2. Results of course evaluation by other evaluation methods

#### 2.1 Important comments from evaluation by other evaluation methods

The lecturers must prepare alternative assessment to evaluate students' progression involving learning outcomes of the course.

#### 2.2 Faculty members' opinions on the comments in 2.1

Considerations of methods of teaching and evaluation for students' improvement.

## Section 6: Improvement Plan

### 1. Progress of teaching and learning improvement recommended in the previous Course Report

Improvement plan proposed in previous Academic year 2024.	Results of the plan implementation
-None-	-None-

### 2. Other improvements

Searching information for practicing English communication and more teaching and learning strategies using technology from online database

**3. Suggestions for improvement for Semester 2 Academic year 2023**

Suggestions	Time Frame	Responsible person
Collecting more materials and activities	May 2025	Mr.Luechai Tiprungsri

**4. Suggestions of faculty member(s) responsible for the course**

Integrating application of the related subjects.

**Responsible Faculty Member/Coordinator:**

Signature.....Submission Date.....

**Chairperson/Program Director:**

Signature.....Receipt Date .....