



MA30102 **Foundation Mathematics 2**

Teacher	Mr. Shiv Kumar
Contact	Science Lab, 2 nd Floor Colombet Building. skkumarshiv100@gmail.com
Class Time	EP-M4/1: Monday Period-1, Wednesday Period-4 EP-M4/2: Monday Period-7, Wednesday Period-1
Credits	1.0

Course Description

Before midterm exams:

The first topics will be function and relations, domain and range of a function and different types of functions. Relations and an introduction to functions: definitions and terminology.

As with many courses within EP, critical thinking skills are emphasized over those of rote learning and where possible an investigative approach is used.

After midterm exams:

After the midterm exams, the different types of functions explored will continue in particular, drawing linear, quadratic, exponential, absolute and step functions. The topics of unit circle along with trigonometric value of 30, 45 and 60 degree and the application of trigonometry for height and distance problems.

In general, the key competencies for the math course are: 1. Communicative ability 2.

Thinking ability 3. Problem solving ability 4. Ability to use life skills 5. Technological ability

The key process skills are: 1. Problem solving 2. Reasoning 3. Communicating the meaning 4. Connecting 5. Creative thinking

Textbook

[Book 1] Barron's SAT Math Level 1, 13th Edition.

[Book 2] IGCSE Cambridge International Mathematics Extended (0607), 2015 Edition * *For new students, or those who have lost this EP3 textbook, I will have a shared online version.*
Additional teacher handouts

Online resources

Khan Academy, Kahoot and Schoology

Course Outline & Objectives

Learning Unit 1.1: **Relations** [Strand 1, Standard MA1.2, Indicators MA 1.2 S.5/1]

1. Ordered pairs
2. Cartesian product
3. Relations
4. Graphs of relations
5. Domain and range of a relation
6. Inverse of a relation



Learning Unit 2: **Functions** [Strand 1, Standard MA1.2, Indicators MA 1.2 S.5/1]

1. Definition of function
2. Domain and range of function
3. Value of a function $f(x)$

End of Midterm Exam Content – Start of Final Exam Content

Learning Unit 2: **Functions** [Strand 1, Standard MA2, Indicators MA 2.1 S.5/2]

continued..

4. Types of functions
 - Linear and Quadratic functions
 - Exponential function
 - Absolute value function
 - Step function

Learning Unit 3: **Trigonometry** [Strand 1, Standard MA2.1, Indicators MA 2.2 S.2/1]

1. trigonometric ratio
2. calculation of 30, 45 and 60 degree of trigonometric identities
3. relation between side and angles
4. height and distance problems

Resources

- | | |
|-----------|---|
| Required | <input type="checkbox"/> At least 3 notebooks (2 white, 1 pink) |
| | <input type="checkbox"/> Scientific calculator (not a phone-based application) |
| | <input type="checkbox"/> Ruler |
| | <input type="checkbox"/> Glue stick, stapler, or tape |
| Suggested | <input type="checkbox"/> Many different colored pens/markers/highlighters |
| | <input type="checkbox"/> Electronic Thai-English translator (not a phone-based application) |

Academic Integrity Policy

Students are expected to adhere to the Assumption College student handbook. There is to be no plagiarism, no copying, and no cheating of any kind. These and any other acts of academic dishonesty lower the quality of the education and will not be tolerated. Students involved in any form of academic dishonesty, including any student supplying or allowing the copying to take place, will receive a zero.

Plagiarism is the act of taking someone else's work or ideas and passing them off as one's own work or ideas. Examples of plagiarism include the failure to give appropriate acknowledgement when repeating another's idea, phrase, sentence or paragraph, or failure to give appropriate acknowledgement when paraphrasing any of those.

Behavioral Expectations

For the sake of all the members of the class, students are expected to respect themselves, their classmates, the teacher, and the facilities. Students must accept responsibility for themselves and their actions. Students are expected to be ready at the start of every class (Notebooks,



textbook, scientific calculator, writing utensils, etc.) and to actively participate throughout the lesson until class is dismissed.

Behavior is monitored every day as per the class rules that are set out at the beginning of the academic year (see the front of your note books). At the end of the semester the average is taken and used for the student's behavior score (10%). Students *earn* the scores they receive.

Additionally, all Thai students are expected to embrace the following *desired characteristics*:

- Love for the country and the King, faith in religion
- Possess discipline
- Be self-sufficient
- Proud to be Thai
- Be an AC gentleman
- Eager to learn
- Dedicated to work
- Have a sense of public consciousness
- Be honest and upright

Attendance & Tardiness

Attendance will be taken at the start of every class. Students are expected to be in class on-time, every time. Unexcused absences or tardiness will not be tolerated. In the case of planned absences, please notify the teacher in as far in advance as possible. Students are expected to catch up on all missed work outside of class time.

Homework & Classwork

Homework and classwork will be assigned often and must be submitted on or before the due date. All late or missed assignments that are not turned in *before* the last week of the term get 0%.

Grading

This course follows to the Assumption College grading scale:

<i>Final Score</i> ≥ 80%	4.0
75% ≤ <i>Final Score</i> < 80%	3.5
70% ≤ <i>Final Score</i> < 75%	3.0
65% ≤ <i>Final Score</i> < 70%	2.5
60% ≤ <i>Final Score</i> < 65%	2.0
55% ≤ <i>Final Score</i> < 60%	1.5
50% ≤ <i>Final Score</i> < 55%	1.0
<i>Final Score</i> < 50%	0.0

Evaluation and Assessment

The final semester grade for this course out of 100% is broken down as follows:

Class work	20%
Class Participation	10%
Note book	10%
Behavior	10%
Quizzes	10%
Midterm (Summative) Exam	20% (program mandated)
Final Exam	20% (program mandated)



Recommendations for Success

Mathematics can be a difficult course for many students. All students are encouraged to try the following:

1. Read, read, read the course textbook. Often, reading the text once is not enough even for native English speakers. You may need to read the material multiple times to understand. By reading along at home with the lessons taught at school (typically only a few pages per night), students will be able to responsibly manage the material and gain the most from the course.
2. Search online, in either Thai or English, if you don't understand a topic discussed in class or simply to get a better understanding of the topic.
3. Get a Thai language introductory mathematics book.
4. Do **not** copy your classmates work; struggle through and do the work on your own! This is how you learn!
5. Come see the teacher outside of class time for assistance.
6. Do more than just the bare minimum; there are plenty of problems in the textbook. We only have time for so many of them. Do the review questions at the end of the chapter and see the teacher for the answers.
7. Study the notes and vocabulary at least a few minutes every day, such as in homeroom or during any free time you might have in other classes.



MA30214 Universal Mathematics 2

Teacher: Robert John Sylvester III

epac.robertsylvester@gmail.com

Contact: EP Teacher Room, 2nd Floor Colombet Bldg.

Class Time: EP-M4/1: Mon, Period 5. Thurs, Period 2

EP-M4/2: Mon, Period 6. Fri, Period 2

Course Description

This Universal course for maths emphasizes algebraic functions, matrices, and analytical geometry. The goal is to explore a variety of math topics while also linking the visual component of mathematics with its algebraic written counterpart. The course offers many of the maths skills student will need to succeed at university. As with many courses within EP, critical thinking skills are emphasized. The course will closely follow the order and content of the Thai syllabus while also exposing students to international syllabus style word-based problems. The course is prerequisite to MA30215 Universal Maths.

Matrix and Determinant (3, 4, 5, 10) [Midterm Exam]

1. Types and Properties of a Matrix
2. Finding determinants of 2x2 and 3x3 Matrices
3. Finding inverse multiplication of matrix
4. Use of matrix to solve system of linear equations

Analytic Geometry* (6, 7, 8, 9, 10) [Final Exam]

- 3.1 Foundation of analytic geometry
 - 3.1.1 Distance between two points
 - 3.1.2 Midpoint between two points
 - 3.1.3 Slope of linear
 - 3.1.4 Parallel and perpendicular
 - 3.1.5 Linear relation graphs
 - 3.1.6 Distance between linear and point



Academic Integrity Policy

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Behavioral Expectations

Students are expected to respect themselves, their classmates, the teacher, and the facilities. Students must accept responsibility for themselves and their actions. Students must speak English in class. Students are expected to be ready at the start of every class (notebooks, textbook, scientific calculator, writing utensils, etc.) and to actively participate throughout the lesson until class is dismissed.

Behaviour is monitored every class. At the end of the semester the points are accumulated and used for the student's behaviour score (10%).

Furthermore, all Thai students are expected to embrace the following *desired characteristics*:

- Love for the country and the King, faith in religion
- Have a sense of public consciousness
- Possess discipline
- Be self-sufficient
- Be honest and upright
- Proud to be Thai
- Eager to learn
- Dedicated to work
- Be an AC gentleman

Attendance & Tardiness

Attendance will be taken at the start of every class. Students are expected to be in class on time, every time. Unexcused absences or tardiness will not be tolerated. In the case of planned absences, please notify the teacher as far in advance as possible. Students are expected to catch up on all missed work outside of class time.

Homework & Classwork

An assessment item must be submitted on or before the due date. **An assessment item submitted later than the due date, without an extension from the teacher, will not be graded and will result in an automatic score of zero.** Late homework, however, may be completed and submitted to qualify towards eligibility for exams. At the end of the semester, if the students have not completed a sufficient number of homework assignments to pass this aspect of the course, additional work will be set for them.



Grading

This course adheres to the Assumption College grading scale:

$Final\ Score \geq 80\%$	4.0
$75\% \leq Final\ Score < 80\%$	3.5
$70\% \leq Final\ Score < 75\%$	3.0
$65\% \leq Final\ Score < 70\%$	2.5
$60\% \leq Final\ Score < 65\%$	2.0
$55\% \leq Final\ Score < 60\%$	1.5
$50\% \leq Final\ Score < 55\%$	1.0
$Final\ Score < 50\%$	0.0

Evaluation and Assessment

The final semester grade for this course out of 100% is broken down as follows:

Online	20%
Projects	10%
Homework/Classwork	20%
Behavior	10% (program mandated)
Midterm Exam	20% (program mandated)
Final Exam	20% (program mandated)

Recommendations for Success

Mathematics can be difficult for many students. All students are encouraged to do the following:

1. Read the course textbook. You may need to read the material multiple times to understand. By reading along at home with the lessons taught at school (typically only a few pages per night), students will be able to responsibly manage the material and gain the most from the course.
2. Complete all forms of assessment and submit all homework and assignments.
3. Search online, in either Thai or English, if you don't understand a topic discussed in class or simply to get a better understanding of the topic.
4. Do not copy the work of your classmates; try to struggle through on your own. This will help you learn.
5. Come see the teacher outside of class time for assistance.
6. Do more than just the bare minimum; do the additional problems in the textbook and the review questions at the end of the chapter and check your answers.
7. Study the notes and vocabulary at least a few minutes every day.



HP30102 Foundation Health Studies & Physical Education 2

Teacher Mr. Brian Mallon

Contact EP Teacher Room, 2nd Floor Colombet Bldg.

Credits 0.5

Course Description

Students will study a Health component and a Physical Education component under the one unit in M4. Study the development of methods to promote physical and motor fitness, realize the value of the promotion of physical and motor fitness, apply the plan for practicing, improving, and developing physical fitness for health and motor fitness to analyze risky situations leading to the occurrence of accidents by taking part in promoting awareness and cooperation in solving problems from personal risky behaviors affecting community using knowledge and understanding in Community Safety Laws by developing methods for preventing injuries from accidents such as project presentation to promote the strength of community security, understand the development of various kinds of drug use including personal roles in solving problems of addictive substances by recognizing various sectors giving advices and treatment for drug addicted persons, analyze negative media with provocative presenting leading to violence in the society, find methods for preventing and solving problems of violence in the society by distinguishing between creative media and negative media, and recognize principles and process of correct rescue methods.

Study foundation physical education on the topics of the concept about different types of movements when playing sports, use of one's ability to increase team capacity, and play at least one type of Thai sports and international sports both individuals and teams. At the same time, students have to show movements creatively, participate in recreation activities outside schools, and use this idea to improve and develop ways of personal life and society including doing exercise and playing sports regularly and using personal ability to increase team capability, reduce ego, consider effects on other people, sport competition with other people by practicing rights, rules, regulations, and various tactics during the competitions, showing good manners of watching, and playing sports, sportsmanship, good personalities, playing sports happily, and admiring values and beauty of sports. Use process of establishing knowledge and understanding, practical skills, problem-solving skills, decision-making skills, value to create knowledge, understanding, and apply the knowledge to real-life situations with morality, ethics, honesty, disciplines, responsibility, being free from addictive substances and allurements, democracy and justice.

Textbook

No textbook required for this unit

Course Outline & Objectives

PHYSICAL EDUCATION COMPONENT

1. **Badminton** [Indicators – 1, 2, 4, 5, 6,7]
 - Basic movement for badminton
 - Etiquette



2. Games / Exercises and Playing Sports / Physical Fitness Test [Indicators – 1, 2, 6, 7]

- Games, exercises or playing sports
- Test of physical fitness

3. Movements in playing sports creatively [Indicators – 1, 2, 3, 4, 5, 6, 7]

- Physical Movement in skill practicing
- Physical connection in practicing badminton forehand skills
- Physical connection in practicing badminton backhand skills
- Physical connection in practicing badminton drive skills
- Physical connection in practicing badminton drop skills

4. Increase in Team Capacity [Indicators – 1, 3, 4]

- Serve
- Chop
- Smash
- Drop shot by changing directions

5. Rights / Rules / Regulations / Competing Methods [Indicators – 1, 2, 4, 5, 6, 7]

- Rules and regulations in competitions
- Planning for attacks and defenses

6. Competitions [Indicators – 1, 2, 3, 4, 5, 6, 7]

- Good manners of watching and playing sports
- Sportsmanship
- Good personalities
- Playing sports happily
- Admiring value and beauty of sports

7. Rules and Regulations [Indicators – 1, 2, 4, 5, 6, 7]

- Rules / Regulations / Competitions
- Team Playing

8. Futsal Competition [Indicators – 1, 2, 3, 4, 5, 6, 7]

- Team playing and competition
- Tactics of attacking-defending
- Sportsmanship
- Cooperation in participating activities



HEALTH COMPONENT

Course Outline & Objectives

1. Health Promotion and Disease Prevention [Indicators 1, 2, 4, 8]

- Definition and importance of health promotion
- Guidelines for health promotion
- Guidelines for disease prevention

2. Emotions and Stress [Indicators 3, 4, 5]

- Definition and importance of emotions and Stress
- Proper stress and emotional management
- Effects of emotions and stress on health

3. Basic Knowledge of Sports [Indicators 9, 10]

- Basic movement skills for sport playing
- Movement science and efficiency promotion of sport playing

4. Safety and Living [1, 2, 4, 5, 6, 9]

- Safe use of medicines
- Dangers from addictive substances
- Problems of violence in children

Resources

- | | |
|-----------|--|
| Required | <ul style="list-style-type: none">• School Physical Education Uniform (a note explaining why the student is out of uniform is required or a behavior score of 0 for this lesson)• Pink resource booklet for note taking (Reminder that any handouts must be stapled or glue into the pink resource) |
| Suggested | <ul style="list-style-type: none">• Fitness and sport activities during lunch break each day |

Academic Integrity Policy

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Behavioral Expectations

For the sake of all the members of the class, students are expected to respect themselves, their classmates, the teacher, and the facilities. Students must accept responsibility for themselves and their actions. Students are expected to be ready at the start of every class (in PE uniform) and to actively participate throughout the lesson until class is dismissed.

Additionally, all Thai students are expected to embrace the following *desired characteristics*:

- Possess discipline
- Eager to learn
- Be an AC gentleman
- Dedicated to work

Attendance & Tardiness

Attendance will be taken at the start of every class. Students are expected to be in class on time, every time. Unexcused absences or tardiness will not be tolerated. In the case of planned absences, please notify the teacher as far in advance as possible. Students are expected to catch up on all missed work outside of class time.

Homework & Classwork

Homework in Physical Education is limited; however, any homework must be submitted on or before the due date. Late assignments can be submitted for a maximum of 50% up until the last week of the term. All late or missed assignments that are not turned in *before* the last week of the term will receive a zero.

Grading

This course follows to the Assumption College grading scale:

$Final\ Score \geq 80\%$	4.0
$75\% \leq Final\ Score < 80\%$	3.5
$70\% \leq Final\ Score < 75\%$	3.0
$65\% \leq Final\ Score < 70\%$	2.5
$60\% \leq Final\ Score < 65\%$	2.0
$55\% \leq Final\ Score < 60\%$	1.5
$50\% \leq Final\ Score < 55\%$	1.0
$Final\ Score < 50\%$	0.0

Evaluation and Grading

Formative	50%
Midterm Exam	20%
Final Exam	20%
Affective Domain	10%



Recommendations for Success

Physical Education is to be enjoyed. All students are encouraged to try the following:

1. Look to do some form of Physical Activity every day.
2. Look to visit parks and tracks where the required fitness testing can be practiced.
3. Come see the teacher outside of class time for assistance.
4. Try new sports. We all have different sports we like and different sports we are good at. We encourage students to learn more about their favorite sports on 'YouTube' and other media platforms. If you never try, you will never know if you like it!
5. See PE and movement as an *opportunity* to improve your health and well-being, not a chore. Your teenage years are the most important years to be active and can affect the quality of life you have as an adult.



ST30275 Multimedia Creation

Teacher Mr. Matt Harris
Contact Location: 5th Floor Computer Lab

Class Time EP-M 4/2B: Friday 11:10 – 13:50

Credits 1.0

Course Description

Creation of template and vector-based graphics, editing and wider use of vector graphics. Editing of photographs to a variety of levels, integration of Vector based graphics and photographs. Creation of graphics to be used in a number of different applications. Use information technology skills and processes which are data exploration, explanation, demonstration and analysis, discussion, group skills and process to create knowledge and understanding, thinking ability, exploring ability, ability to use technology, learning ability, communicative ability, systematic thinking ability, ability to use living skills and daily life with honesty, diligence, and endeavor.

Course Outline & Objectives

Topics include: [Indicator 1,2,3,4]

Computer for Graphic works [Indicator 1, 2, 3, 4]

Graphics
Week 1-2: Intro, My profiles doc/ My idol presentation
Week 2-4: Unit 1. Photoshop [Indicators 1, 2] Intro into Photoshop, editing images
Week 5-7: Creation of images based on photographs, digital artwork
Midterm Exam (Week 8 and 9)
Week 10-12: Unit 2. Illustrator [Indicators 3, 4] Intro into Illustrator & Illustration
Week 13-14: Vector Graphics
Week 15: Unit 3. Integration of Graphic Systems [Indicators 1, 2, 3, 4]
Create works based on Vectors and Image files
Final Exam (Week 16)

Resources

Required • EP Computer Lab

Academic Integrity Policy

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Behavioral Expectations

For the sake of all the members of the class, students are expected to respect themselves, their classmates, the teacher, and the facilities. Students must accept responsibility for themselves and their actions. A behavior score (out of 10 points) is taken every day. At the end of the semester the average is taken and used for the student's behavior score (10%). Students *earn* the scores they receive.

Additionally, all Thai students are expected to embrace the following *desired characteristics*:

- Love for the country and the King, faith in religion
- Possess discipline
- Be self-sufficient
- Proud to be Thai
- Be an AC gentleman
- Eager to learn
- Dedicated to work
- Have a sense of public consciousness
- Be honest and upright

Attendance & Tardiness

Attendance will be taken at the start of every class. Students are expected to be in class on-time, every time. Unexcused absences or tardiness will not be tolerated. In the case of planned absences, please notify the teacher in as far in advance as possible. Students are expected to catch up on all missed work outside of class time.

Homework & Classwork

Homework and classwork will be assigned often and must be submitted on or before the due date. Late assignments can be submitted for a maximum of 50% up until the last week of the term. All late or missed assignments that are not turned in *before* the last week of the term will receive a zero.

Grading

This course follows to the Assumption College grading scale:

<i>Final Score</i> \geq 80%	4.0
$75\% \leq$ <i>Final Score</i> < 80%	3.5
$70\% \leq$ <i>Final Score</i> < 75%	3.0
$65\% \leq$ <i>Final Score</i> < 70%	2.5
$60\% \leq$ <i>Final Score</i> < 65%	2.0
$55\% \leq$ <i>Final Score</i> < 60%	1.5
$50\% \leq$ <i>Final Score</i> < 55%	1.0
<i>Final Score</i> < 50%	0.0



Evaluation and Assessment

The final semester grade for this course out of 100% is broken down as follows:

STEAM	10%
Homework/Classwork	30%
Coursework	30%
Behavior	10% (program mandated)
Midterm Exam/Project	10% (program mandated)
Final Exam	10% (program mandated)

Recommendations for Success

Information technology can be a difficult course for many students. All students are encouraged to try the following:

1. Read, read, read the teacher's online notes. Oftentimes, reading the text once is not enough even for native English speakers. You may need to read the material multiple times to understand. By reading along at home with the lessons taught at school (typically only a few pages per night), students will be able to responsibly manage the material and gain the most from the course.
2. Search online, in either Thai or English, if you don't understand a topic discussed in class or simply to get a better understanding of the topic.
3. Do **not** copy your classmates work; struggle through and do the work on your own! This is how you learn!
4. Come see the teacher outside of class time for assistance.
5. Do more than just the bare minimum; there are plenty of problems in the teacher's online notes. We only have time for so many of them. Do the review questions at the end of the chapter and see the teacher for the answers.
6. Study the notes and vocabulary at least a few minutes every day, such as in homeroom or during any free time you might have in other classes.



ST30105 Design & Technology

Teacher Mr. Matt Harris
Contact Location: 5th Floor Computer Lab

Class Time EP-M 4/1: Thursday 13:00 – 13:50
EP-M 4/2: Thursday 11:10 – 12:00

Credits 1.0

Course Description

To understand the key concepts of Design & Technology for living in a rapidly changing society; apply knowledge and skills in science, mathematics and other disciplines to creatively solve problem or develop work by using the engineering design process; select technology to use properly by taking into account impacts on life, society, and environment. Students will study the following topics: main concepts of technology, relationships of technology with other fields of study especially science or mathematics; evaluating its impact on humans, society, economy and environment so as to use the information as a guideline for developing technology. Students will apply many learning processes: attitude development process, knowledge and understanding development process, critical thinking process, practicing process and problem-solving process.

Course Outline & Objectives

Topics include: [Indicator 1,2,3,4]

Design & Technology [Indicator 1, 2, 3, 4]

Week 1: Introduction week

Week 2-4: **Unit 1.** Analyze the main concepts of technology and relationship of technology with other fields of knowledge especially science, or mathematics.

Week 5-6: Identify problems or needs that have impacts on society; gather and analyze information

Midterm Exam (Week 7 and 8)

Week 9-10: **Unit 2.** Design a solution by analyzing and comparing information; then, select essential information under the conditions and existing resources

Week 11-12: Test, evaluate, analyze and give reasons of problems or defects found within conditions scope; generate improvement alternatives

Week 13-14: **Unit 3.** Understand and use computational thinking concept to solve problems found in real life systematically and step by step; use information technology and communication for efficient learning, work, and problem solving.

Week 15: **Unit 4.** Apply computational thinking creatively to develop a project work which is integrated with other disciplines and is connected with real life.

[Indicators 1, 2, 3, 4]

Final Exam (Week 16)



Resources

- Required
- EP Computer Lab

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Behavioral Expectations

For the sake of all the members of the class, students are expected to respect themselves, their classmates, the teacher, and the facilities. Students must accept responsibility for themselves and their actions. A behavior score (out of 10 points) is taken every day. At the end of the semester the average is taken and used for the student's behavior score (10%). Students *earn* the scores they receive.

Additionally, all Thai students are expected to embrace the following *desired characteristics*:

- Love for the country and the King, faith in religion
- Possess discipline
- Be self-sufficient
- Proud to be Thai
- Be an AC gentleman
- Eager to learn
- Dedicated to work
- Have a sense of public consciousness
- Be honest and upright

Attendance & Tardiness

Attendance will be taken at the start of every class. Students are expected to be in class on-time, every time. Unexcused absences or tardiness will not be tolerated. In the case of planned absences, please notify the teacher in as far in advance as possible. Students are expected to catch up on all missed work outside of class time.

Homework & Classwork

Homework and classwork will be assigned often and must be submitted on or before the due date. Late assignments can be submitted for a maximum of 50% up until the last week of the term. All late or missed assignments that are not turned in *before* the last week of the term will receive a zero.



Grading

This course follows to the Assumption College grading scale:

<i>Final Score</i> $\geq 80\%$	4.0
$75\% \leq \textit{Final Score} < 80\%$	3.5
$70\% \leq \textit{Final Score} < 75\%$	3.0
$65\% \leq \textit{Final Score} < 70\%$	2.5
$60\% \leq \textit{Final Score} < 65\%$	2.0
$55\% \leq \textit{Final Score} < 60\%$	1.5
$50\% \leq \textit{Final Score} < 55\%$	1.0
<i>Final Score</i> $< 50\%$	0.0

Evaluation and Assessment

The final semester grade for this course out of 100% is broken down as follows:

STEAM	10%
Homework/Classwork	30%
Coursework	30%
Behavior	10% (program mandated)
Midterm Exam/Project	10% (program mandated)
Final Exam	10% (program mandated)

Recommendations for Success

Information technology can be a difficult course for many students. All students are encouraged to try the following:

1. Read, read, read the teacher's online notes. Oftentimes, reading the text once is not enough even for native English speakers. You may need to read the material multiple times to understand. By reading along at home with the lessons taught at school (typically only a few pages per night), students will be able to responsibly manage the material and gain the most from the course.
2. Search online, in either Thai or English, if you don't understand a topic discussed in class or simply to get a better understanding of the topic.
3. Do **not** copy your classmates work; struggle through and do the work on your own! This is how you learn!
4. Come see the teacher outside of class time for assistance.
5. Do more than just the bare minimum; there are plenty of problems in the teacher's online notes. We only have time for so many of them. Do the review questions at the end of the chapter and see the teacher for the answers.
6. Study the notes and vocabulary at least a few minutes every day, such as in homeroom or during any free time you might have in other classes.



ST30103 Foundation Biology

Teacher: Mr. Grant Shorten

Contact: Science lab, 2nd Floor Colombet Building.
epac.grant@gmail.com

Class Time: EP-M4/2: Monday Period-3, Wednesday Period -7, Thursday Period 1

Credits: 1.5

Course Description

Students will study science in the following topics: a relationship between geography on Earth and diversity in biomes; ecological succession; changes of the population size of organisms in the ecosystem and its impact on natural resources and environment; conservation of natural resources and solving environmental problems; structure and properties of plasma membrane that are involved with substance transportation; substance transportation through plasma membrane; the control of water balance and substances in blood by the function of kidneys; the control of acid-base balance of blood by the function of kidney and lung; the control of temperature balance in the body in blood circulation system, skin, and skeleton muscle; specific and nonspecific body defence against foreign matter; the diseases or symptoms caused by the immune system disorders; the acquired immunodeficiency syndrome caused by

HIV infection; nutrients that plants can synthesize; the use of substances that some plants create; external factors that influence growth of plants; manmade substances used to control growth in plant, and examples of their use in plant agriculture; response of plants to many types of stimuli that affect their growth; protein synthesis and genotypes; trait inheritance controlled by gene located on sex chromosomes and multiple alleles; nucleotide sequence changes in DNA on organisms' traits; uses of mutation; effects of DNA technology on humans; diversity in organisms which results from evolution.

Students will apply the following skills in the course: critical thinking and solving problem, creativity and innovation, collaboration teamwork and leadership, cross cultural understanding, communication, information, computing and media literacy, career and learning self-reliance and compassion. The aims are for students to gain knowledge and understanding in the subject area. Students will also be enhanced to develop the following competencies: to apply knowledge learned to solve problems and manage obstacles in future career appropriately, to have creativity and innovation skills, to communicate effectively, to avoid showing inappropriate behaviour that can affect positive interpersonal relationship, and to use technology to search effectively accurate information. Students are, in addition, expected to show desired characteristics as follows: love of nation, religion, and the king, self-discipline, avidity for learning, dedication to work, honesty and integrity, self-sufficiency, following Thai ways of life and wisdom, public-mindedness and social responsibility, qualifications of an AC gentleman.

Textbook

Cambridge IGCSE & O Level Complete Biology 4th edition

Course Outline & Objectives

Unit 1: Organisms and Environment



1. **Ecosystems:** Ecosystems are intricate networks of living organisms and their physical surroundings, where complex relationships and dependencies shape the environment.
2. **Ecological Succession:** This term describes the gradual changes in an ecosystem over time, moving from simplicity to complexity.
3. **Human Interaction with Ecosystems:** Humans play a significant role in ecosystems as we rely on natural resources for our needs, impacting these environments. Understanding these concepts is crucial for maintaining the balance between human requirements and environmental sustainability.

Unit 2: Maintaining Equilibrium in Organisms

1. **Cell Structure and Function:** Understanding the roles of different cell parts in plant and animal cells is fundamental.
2. **Direct Transport through Cell Membrane:** This involves the selective permeability of the cell membrane, regulating the entry and exit of substances.
3. **Transport across Membrane Proteins:** Proteins in the cell membrane facilitate the movement of specific molecules to maintain equilibrium.
4. **Bulk Transport (Vesicle Transport):** Substances are packaged into vesicles for controlled transport within and outside the cell, preserving internal stability.
5. **Equilibrium Maintenance Mechanisms:** Feedback loops and regulatory systems ensure a balanced internal environment by monitoring factors like temperature, pH, and substance concentrations.

Unit 3: Immune Systems in the Body

1. **Immune System:** The immune system is the body's defense mechanism against foreign substances. It employs various mechanisms to identify and destroy these intruders.
2. **Immune System Disorders:** When the immune system malfunctions, it can lead to diseases. These disorders can result in an overactive immune response, causing autoimmune diseases, or an underactive response, making the body susceptible to infections. Understanding these aspects is crucial for maintaining health.

Unit 4: Photosynthesis

1. **Photosynthesis:** Photosynthesis is the process by which green plants and some other organisms convert sunlight, carbon dioxide, and water into glucose (sugar) and oxygen, using chlorophyll and light energy.
2. **Benefits of Plant Products:** Some substances produced through photosynthesis have essential benefits for humans and animals, such as food, oxygen, and materials for various products.



3. **Plant Growth:** Photosynthesis is vital for the growth and development of plants, providing the energy and nutrients necessary for their survival.
4. **Plant Responses to Stimuli:** Plants can respond to various stimuli, such as light, gravity, and touch, through mechanisms like phototropism, gravitropism, and thigmotropism.
5. **Use of Manmade Substances:** Manmade substances are sometimes used to control plant growth, either by promoting growth (e.g., fertilizers) or inhibiting growth (e.g., herbicides). Understanding these methods is essential in agriculture and horticulture.

Unit 5: Genetics and Genetic Inheritance

1. **Genetic Characteristics:** Genetic characteristics are traits inherited from parents, determined by DNA sequences, including eye color, hair type, and blood type.
2. **Cell Cycle and Division:** The cell cycle consists of stages leading to cell division. This process ensures the transmission of genetic information to daughter cells.
3. **Trait Inheritance via Sex Chromosomes:** Some traits are inherited through genes located on sex chromosomes, determining gender-specific characteristics.
4. **Multiple Alleles:** Multiple alleles exist for certain genes, leading to various forms of a trait. The ABO blood group system is an example.
5. **Mutation:** Mutations are changes in DNA sequences. They can result in genetic variations and may have effects on an individual's traits and health.
6. **DNA Technology Advancements:** Advances in DNA technology have led to groundbreaking applications, including DNA profiling, genetic engineering, and gene therapy, offering new possibilities in medicine and science.

Unit 6: Evolution of Organisms

1. **Evolution:** Evolution refers to the gradual change in living organisms over time, involving the development of new species from common ancestors.
2. **Factors in Evolution:** Evolution is driven by various factors, including natural selection, genetic mutations, genetic drift, and environmental changes.
3. **Species and Speciation:** A species is a group of organisms that can interbreed to produce fertile offspring. Speciation is the process through which new species emerge due to genetic and environmental factors.
4. **Evolution of Life Forms:** Over time, plants, animals, and humans have evolved through a series of genetic changes and adaptations, leading to the diversity of life on Earth.
5. **Adaptation for Survival:** Organisms adapt to different environments through various mechanisms like changes in behavior, anatomy, or physiology, increasing their chances of survival and reproduction.



If you have questions about the class or your grade you can email me at:

epac.grant@gmail.com

Resources Required

A plastic folder for worksheets.

White School Notebook

Red and blue pen

Ruler

Calculator

Academic Integrity Policy

Students are expected to adhere to the Assumption College student handbook. There is to be no plagiarism, no copying, and no cheating of any kind. These and any other acts of academic dishonesty lower the quality of the education and will not be tolerated. Students involved in any form of academic dishonesty, including any student supplying or allowing the copying to take place, will receive a zero. Students should be expected to earn their scores. Scores of pass should not be given unless the student has attained sufficient knowledge to earn a passing grade.

Plagiarism is the act of taking someone else's work or ideas and passing them off as one's own work or ideas. Examples of plagiarism include the failure to give appropriate acknowledgement when repeating another's idea, phrase, sentence or paragraph, or failure to give appropriate acknowledgement when paraphrasing any of those.

Behavioural Expectations

For the sake of all the members of the class, students are expected to respect themselves, their classmates, the teacher, and the facilities. Students must accept responsibility for themselves and their actions. Students are expected to be ready at the start of every class (Notebooks, textbook, scientific calculator, writing utensils, etc.) and to actively participate throughout the lesson until class is dismissed.

Behaviour is monitored every day as per the class rules that are set out at the beginning of the academic year (see the front of your note books). At the end of the semester the average is taken and used for the student's behaviour score (10%). Students *earn* the scores they receive.

Additionally, all Thai students are expected to embrace the following *desired characteristics*:

- Love for the country and the King, faith in religion
- Possess discipline
- Be self-sufficient
- Proud to be Thai
- Be an AC gentleman
- Eager to learn
- Dedicated to work
- Have a sense of public consciousness
- Be honest and upright



Attendance & Tardiness

Attendance will be taken at the start of every class. Students are expected to be in class on-time, every time. Unexcused absences or tardiness will not be tolerated. In the case of planned absences, please notify the teacher in as far in advance as possible. Students are expected to catch up on all missed work outside of class time.

Homework & Classwork

Homework and classwork will be assigned often and must be submitted on or before the due date for a full score of 10 points. Late work without excuse will be deducted at the rate of 10% per day until the maximum possible score is zero. All work must be turned in before the last week of each term. Late work is discouraged.

Grading

This course follows to the Assumption College grading scale:

<i>Final Score</i> $\geq 80\%$	4.0
$75\% \leq \textit{Final Score} < 80\%$	3.5
$70\% \leq \textit{Final Score} < 75\%$	3.0
$65\% \leq \textit{Final Score} < 70\%$	2.5
$60\% \leq \textit{Final Score} < 65\%$	2.0
$55\% \leq \textit{Final Score} < 60\%$	1.5
$50\% \leq \textit{Final Score} < 55\%$	1.0
<i>Final Score</i> $< 50\%$	0.0

Evaluation and Assessment

The final semester grade for this course out of 100% is broken down as follows:

Class work	20%
Class Participation	10%
Note book	10%
Behavior	10%
Quizzes	10%
Midterm (Summative) Exam	20% (program mandated)
Final Exam	20% (program mandated)

Recommendations for Success

Mathematics can be a difficult course for many students. All students are encouraged to try the following:

1. Read, read, read the course textbook. Often, reading the text once is not enough even for native English speakers. You may need to read the material multiple times to understand. By reading along at home with the lessons taught at school (typically only a few pages per night), students will be able to responsibly manage the material and gain the most from the course.
2. Search online, in either Thai or English, if you don't understand a topic discussed in class or simply to get a better understanding of the topic.



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3. Get a Thai language introductory mathematics book.
4. Do **not** copy your classmates work; struggle through and do the work on your own! This is how you learn!
5. Come see the teacher outside of class time for assistance.
6. Do more than just the bare minimum; there are plenty of problems in the textbook. We only have time for so many of them. Do the review questions at the end of the chapter and see the teacher for the answers.
7. Study the notes and vocabulary at least a few minutes every day, such as in homeroom or during any free time you might have in other classes.



ST30104 Foundation Earth, Stars and Universe

Teacher Mr. Nicholas Crook

Contact EP Teacher Room, 2nd Floor Colombet Bldg.

Credits 1.5

Course Description

This course focuses on Earth, Stars, and Astronomy. The course offers an intermediate survey of these topics. As with many courses within EP, critical thinking skills are emphasized over those of rote learning. The course will closely follow the order and content of the latest version of *The Universe*, Orient Blackswan. The course provides foundation for university level geology and astronomy.

Learning Contents

Study the science basic knowledge in the field of global structure, the movement and types of the Earth plate, volcanoes, earthquake, global temperature changes, important weather symbols, the origin of universe, Galaxy, stars, evolution of star, solar system, the origin of solar system, brightness and magnitude of stars, star distance, Nebula (the origin of stars), mass of stars, the field of the Sun attendant, the Sun, space technology, transportation and Satellite orbit, space transportation system, the application on space technology

BY using scientific process and scientific skills such as observation, query, experiment, conclusion of the data, information communication, classification, data interpretation, analysis, explanation, discussion to gain knowledge, understanding, the ability in problem solving, to gain the thinking skill, technology literacy, and the ability to apply knowledge to use in daily life with honesty and integrity, self-discipline, avidity for learning, dedication and commitment to work and gentlemen of Assumption College

Textbook

The Universe, Orient Blackswan 2012 or 2014
ISBN: 978-0-20106-682-1

Course Outline & Objectives

Unit 1. The Universe.

Chapter 1: Stars and Constellations

- Explore and explain nature and development of constellations.

Chapter 2: More about Stars

- Explore and explain the formation and evolution of stars.

Unit 2: More about Stars

Chapter 3: History of Astronomy

- Explore and explain the formation and evolution of solar systems.

Chapter 4: How the Universe Began



- Explore the beginning of time and the big bang.

End of Midterm Exam Content – Start of Final Exam Content

Chapter 5: Galaxies, Milky Way and Solar System

- Explore and explain the formation of our solar system.
- Define a planet and its structure.

Chapter 6: Kepler's Law, Measurement of Time, Chronology and Eclipse

- Understand the measurement of time.

Chapter 7: Planets, Asteroids and Comets

- Explore and explain other objects in our solar system.
- Explore and explain satellite launches and calculate the orbit speed of satellites around the earth.

Chapter 8: Telescopes and Space Explorations

- Explain launches and space exploration using spacecrafts and space stations.
- Explore recent launches and space exploration and our current space stations.

Resources

- | | |
|----------|--|
| Required | <ul style="list-style-type: none">• Notebook• Scientific calculator (not a phone-based application)• Ruler |
|----------|--|

Academic Integrity Policy

Students are expected to adhere to the Assumption College student handbook. There is to be no plagiarism, no copying, and no cheating of any kind. These and any other acts of academic dishonesty lower the quality of the education and will not be tolerated. Students involved in any form of academic dishonesty, including any student supplying or allowing the copying to take place, will receive a zero.

Plagiarism is the act of taking someone else's work or ideas and passing them off as one's own work or ideas. Examples of plagiarism include the failure to give appropriate acknowledgement when repeating another's idea, phrase, sentence or paragraph, or failure to give appropriate acknowledgement when paraphrasing any of those.

Behavioral Expectations

For the sake of all the members of the class, students are expected to respect themselves, their classmates, the teacher, and the facilities. Students must accept responsibility for themselves and their actions. Students are expected to be ready at the start of every class (Notebook, textbook, scientific calculator, writing utensils, etc.) and to actively participate throughout the lesson until class is dismissed.



A behavior score (out of 5 points) is taken every day. At the end of the semester the average is taken and used for the student's behavior score (10%).

Additionally, all Thai students are expected to embrace the following *desired characteristics*:

- Possess discipline
- Eager to learn
- Be an AC gentleman
- Dedicated to work

Attendance & Tardiness

Attendance will be taken at the start of every class. Students are expected to be in class on-time, every time. Unexcused absences or tardiness will not be tolerated. In the case of planned absences, please notify the teacher in as far in advance as possible. Students are expected to catch up on all missed work outside of class time.

Assignments & Classwork

Assignments and classwork will be assigned often and must be submitted on or before the due date. Late assignments can be submitted for a maximum of 50% up until the last week of the term. All late or missed assignments that are not turned in *before* the last week of the term will receive a zero.

Grading

Foundation Earth Stars & Universe follows to the Assumption College grading scale:

$Final\ Score \geq 80\%$	4.0
$75\% \leq Final\ Score < 80\%$	3.5
$70\% \leq Final\ Score < 75\%$	3.0
$65\% \leq Final\ Score < 70\%$	2.5
$60\% \leq Final\ Score < 65\%$	2.0
$55\% \leq Final\ Score < 60\%$	1.5
$50\% \leq Final\ Score < 55\%$	1.0
$Final\ Score < 50\%$	0.0

Evaluation and Assessment

The final semester grade for this course out of 100% is broken down as follows:

Assignments/Classwork/Lab	30%
Quiz/Test	15%
Notebook	5%
Behavior	10% (program mandated)
Midterm (Summative) Exam	20% (program mandated)
Final Exam	20% (program mandated)



Recommendations for Success

All students are encouraged to try the following:

1. Read, read, read the textbook at home. Oftentimes, reading the text once is not enough even for native English speakers. You may need to read the material multiple times to understand. By reading along at home with the lessons taught at school (typically only a few pages per night), students will be able to responsibly manage the material and gain the most from the course.
2. Search online, in either Thai or English, if you don't understand a topic discussed in class or simply to get a better understanding of the topic.
3. Do **not** copy your classmates work; struggle through and do the work on your own! This is how you learn!
4. Come see the teacher outside of class time for assistance.
5. Do the review questions at the end of the chapter and see the teacher for the answers.
6. Study the notes and vocabulary at least a few minutes every day, such as in homeroom or during any free time you might have in other classes.



EN30102 Foundation English 2

Teacher Mr. Jonas Godson

Contact EP Teacher Room, 2nd Floor Colombet Bldg.
jonasinthailand@gmail.com

Credits 1.5

Course Description

The Foundation English course focuses on laying solid groundwork on basic grammar, speech, reading and vocabulary skills. Using an integrated learning methodology, this course aims to give students the more advanced skills needed to converse in English. Starting with parts of speech and focusing on more complex grammar tenses, such as present perfect simple, present perfect progressive and past perfect simple, and then moving on to prefixes and suffixes, conditionals and comparative and superlatives.

For reading, the focus will be on more advanced reading skills and higher level critical thinking skills. Writing will be more focused on essays and complex, flowing paragraphs and connectives. Speaking and listening will be integrated into activities, but phonetics and correct pronunciation will be highlighted. There will be more of an emphasis on debating, rather than role-playing.

This course will follow the content of the course book, with a few extra adaptations and activities where necessary.

Textbook

Pathways. Reading, Writing and Critical Thinking 3 - Vargo & Blass.
Gateway B2

Course Outline & Objectives

Weeks 23 & 24: Unit 5: The Travel Business

Vocabulary: Understanding meaning from context.

Matching words and definitions

Applying learned vocabulary in full sentences

Reading: Skimming to make predictions.

Scanning for specific information

Sequencing information

Identifying main ideas and supporting information from text

Writing: Synthesizing information in complete paragraphs

Write compare and contrast paragraphs

Writing an opinion paragraph

Grammar: Cause & effect, conditionals

Weeks 25 & 26: Unit 6: Information Design

Vocabulary: Understanding meaning from context.



- Matching words and definitions
- Applying learned vocabulary in full sentences.
- Reading: Skimming to make predictions
- Scanning for specific information
- Sequencing information
- Identifying main ideas and supporting information from text
- Writing: Synthesizing information in complete paragraphs
- Write compare and contrast paragraphs
- Writing an opinion paragraph
- Grammar: Describing visual information

Weeks 27 & 28: Unit 7: Global Challenges

- Vocabulary: Understanding meaning from context.
- Matching words and definitions
- Applying learned vocabulary in full sentences
- Reading: Interpreting maps.
- Skimming to make predictions
- Identifying main ideas
- Identifying supporting ideas
- Identifying meaning from context
- Writing: Drafting & Revising
- Grammar: Adjective clauses

Weeks 29 & 30: Unit 8: Medical Innovations

- Vocabulary: Understanding meaning from context
- Matching words and definitions
- Applying learned vocabulary in full sentences
- Prefixes (un-)
- Reading: Interpreting maps
- Making predictions
- Scanning for key details
- Interpreting information from a multimodal context
- Understanding a process
- Writing: Passive sentences in a research-based essay

Week 31 & 32: Revision & mid-term exam

- Content: Past Simple: regular vs. irregular verbs



Present Perfect

Passive tenses

Sequencing and synthesizing information.

Drafting & finalizing an essay

Taught vocabulary (available to all students through Edmodo)

End of Midterm Exam Content – Start of Final Exam Content

Weeks 33 & 34: Unit 9: World Languages

Vocabulary: Understanding meaning from context.

Matching words and definitions

Applying learned vocabulary in full sentences

Reading: Interpreting maps and charts.

Predicting content from clue

Identifying main ideas

Identifying supporting ideas

Identifying meaning from context

Writing: 3 paragraph essay about Geo-tourism

Writing & revising

Grammar: Making predictions, counter-arguments

Weeks 35 & 36: Unit 10: Survival instinct

Vocabulary: Understanding meaning from context.

Matching words and definitions

Applying learned vocabulary in full sentences.

Reading: Responding to text and photos.

Identifying main and supporting ideas

Understanding meaning from context

Writing: Drafting & Revising

Concluding paragraphs

Grammar: Similes, metaphors, alliteration and onomatopoeia.

Weeks 37 & 38: Tourism in Thailand. (Handouts in class)

Students will use previously taught skills and vocabulary to produce a written guide to Thailand for tourists. They will then present this to the class and answer questions.

Week 39: Revision for final exam

Content: Past continuous

Similes, metaphors, alliteration and onomatopoeia

Referring to sources using quotes and paraphrases

Writing a persuasive essay on a given topic.

Reading comprehension and inference.

Taught vocabulary

Week 40: Final exam week



Resources

- | | |
|-----------|--|
| Required | <ul style="list-style-type: none">• At least 3 notebooks.• Dictionary (English to English, not a translating one)• Extra lines A4 paper for written assignments.• Access to a computer and internet.• A Gmail email account would be beneficial. |
| Suggested | <ul style="list-style-type: none">• Many different colored pens/markers/highlighters |

Academic Integrity Policy

Students are expected to adhere to the Assumption College student handbook. There is to be no plagiarism, no copying, and no cheating of any kind. These and any other acts of academic dishonesty lower the quality of the education and will not be tolerated. Students involved in any form of academic dishonesty, including any student supplying or allowing the copying to take place, will receive a zero.

Plagiarism is the act of taking someone else's work or ideas and passing them off as one's own work or ideas. Examples of plagiarism include the failure to give appropriate acknowledgement when repeating another's idea, phrase, sentence or paragraph, or failure to give appropriate acknowledgement when paraphrasing any of those.

Behavioral Expectations

For the sake of all the members of the class, students are expected to respect themselves, their classmates, the teacher, and the facilities.

Students must accept responsibility for themselves and their actions. Students are expected to be ready at the start of every class (notebooks, textbook, writing utensils, etc.) and to actively participate throughout the lesson until class is dismissed.

Behavior is monitored every day as per the class rules that are set out at the beginning of the academic year (see the front of your note books). At the end of the semester the average is taken and used for the student's behavior score (20%). Students *earn* the scores they receive.

Additionally, all Thai students are expected to embrace the following *desired characteristics*:

- | | |
|--|--|
| • Love for the country and the King, faith in religion | • Eager to learn |
| • Possess discipline | • Dedicated to work |
| • Be self-sufficient | • Have a sense of public consciousness |
| • Proud to be Thai | • Be honest and upright |
| • Be an A.C. gentleman | |

Attendance & Tardiness

Attendance will be taken at the start of every class. Students are expected to be in class on-time, every time. Unexcused absences or tardiness will not be tolerated. In the case of planned absences, please notify the teacher in as far in advance as possible. Students are expected to catch up on all missed work outside of class time.



Homework & Class work

Homework and class work will be assigned often and must be submitted on or before the due date for a score of 20 points. If the work is not done for the start of class, a maximum score of 15 will be possible. After more than one day has lapsed, a maximum score of 10 will be available. Late assignments can be submitted for a maximum of 50% (10 points) up until the last week of the term. All late or missed assignments that are not turned in *before* the last week of the term will receive a zero.

Grading

This course follows to the Assumption College grading scale:

$Final\ Score \geq 80\%$	4.0
$75\% \leq Final\ Score < 80\%$	3.5
$70\% \leq Final\ Score < 75\%$	3.0
$65\% \leq Final\ Score < 70\%$	2.5
$60\% \leq Final\ Score < 65\%$	2.0
$55\% \leq Final\ Score < 60\%$	1.5
$50\% \leq Final\ Score < 55\%$	1.0
$Final\ Score < 50\%$	0.0

Evaluation and Assessment

The final semester grade for this course out of 100% is broken down as follows:

Participation in class	10%
Class work	10%
Notebooks	10%
Quiz 1	10%
Quiz 2	10%
Behavior	10% (Program Mandated)
Midterm Exam	20% (Program Mandated)
Final Exam	20% (Program Mandated)

Recommendations for Success

English can be a difficult course for many students. All students are encouraged to try the following:

1. Read, read, read and read. The best way to learn English is to read literature. It helps with nearly every aspect of English. The best students are always the ones who *enjoy* reading. Find a book you like and keep at it. A little every day is a good way to start.
2. Watching American movies or TV shows with the English subtitles is a good way to improve your speaking and listening skills; it also helps with vocabulary too. When you come across a new word, just pause the movie and write it down in your vocabulary book.
3. Search online (in English) if you don't understand a topic discussed in class to get a better understanding of the topic.
4. Do **not** copy your classmate's work; struggle through and do the work on your own. This is how you learn.



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5. Come see the teacher outside of classtime for assistance.
6. Study the notes and vocabulary at least a few minutes every day, such as in homeroom or during any free time you might have in other classes.
7. If you don't understand then ask your friends, communication is vital for success in English, communicate with your classmates in English, you'll be surprised how quickly your English improves just by doing this.



EN30242 English for Life Skills 2

Teacher Mr. Jonas Godson

Contact EP Teacher Room, 2nd Floor Colombet Building.
jonasinthailand@gmail.com

Credits 1.5

Course Description

The Foundation English course focuses on laying solid groundwork on basic grammar, speech, reading and vocabulary skills. Using an integrated learning methodology, this course aims to give students the more advanced skills needed to converse in English.

For reading, the focus will be on predicting, scanning, skimming, inference and sequencing. Writing will be more focused on essays and complex paragraphs. Speaking and listening will be integrated into activities, but phonetics and correct pronunciation will be highlighted. There will be an opportunity for students to demonstrate and apply their knowledge in group and individual projects.

This course will follow the content of the course book, with a few extra adaptations and activities where necessary.

Textbook

Cambridge Prepare B2 – Listening & Speaking focus
Level 7

Course Outline & Objectives

Weeks 23 & 24: p. 1-22. Unit 1: Creative Minds

- Vocabulary: Understanding meaning from context.
Matching words and definitions
Applying learned vocabulary in full sentences.
- Reading: Skimming to make predictions.
Scanning for specific information
Sequencing information
Identifying main ideas and supporting information from text.
- Writing: Synthesizing information in complete paragraphs.
Write compare and contrast paragraphs.
Writing an opinion paragraph
- Grammar: Modal verbs, continuous tenses, prefixes

Weeks 25 & 26: p. 23-46. Unit 2: Addicted to Fashion

- Vocabulary: Understanding meaning from context
Matching words and definitions



- Applying learned vocabulary in full sentences
- Reading: Skimming to make predictions
- Scanning for specific information
- Sequencing information
- Identifying main ideas and supporting information from text
- Writing: Synthesizing information in complete paragraphs
- Write compare and contrast paragraphs
- Writing an opinion paragraph
- Grammar: First and second conditionals, pronoun references, modifiers, adverbs of manner

Weeks 27 & 28: p. 47-68. Unit 3: All in the mind

- Vocabulary: Understanding meaning from context.
- Matching words and definitions
- Applying learned vocabulary in full sentences
- Reading: Interpreting maps
- Skimming to make predictions
- Identifying main ideas
- Identifying supporting ideas
- Identifying meaning from context
- Writing: Thesis statements
- Writing descriptive paragraphs
- Grammar: Past Simple vs. past perfect, used to

Weeks 29 & 30: p. 69-92. Unit 4: Take it easy

- Vocabulary: Understanding meaning from context
- Matching words and definitions
- Applying learned vocabulary in full sentences
- Reading: Interpreting maps
- Making predictions
- Scanning for key details
- Interpreting information from a multimodal context
- Understanding a process



- Writing: Introduction paragraphs
Opinion paragraphs
- Grammar: Using parallel structures, conjunctions, sequence words

Week 31: Project. Tourism in Thailand (Handouts in class)

Students will use previously taught skills and vocabulary to produce a written guide to Thailand for tourists. They will then present this to the class and answer questions.

Week 32: Review and Midterm exams.

- Content: Modal verbs, continuous tenses, conditionals, past simple vs. past perfect
Sequencing and synthesizing information.
Thesis statements
Opinion paragraph (relating to texts)
Reading and understanding non-text information (i.e., maps)
Taught vocabulary

End of Midterm Exam Content – Start of Final Exam Content

Weeks 33: p. 93 -114. Unit 5: Past times

- Vocabulary: Understanding meaning from context
Matching words and definitions
Applying learned vocabulary in full sentences
- Reading: Interpreting maps and charts
Predicting content from clues
Identifying main ideas
Identifying supporting ideas
Identifying meaning from context
- Writing: 3 paragraph essay about Geotourism
Writing well developed body paragraphs
Cause and effect paragraphs
- Grammar: Mixed conditionals

Weeks 34 & 35: p. 115 – 138. Unit 6: Totally emotional

- Vocabulary: Understanding meaning from context.
Matching words and definitions
Applying learned vocabulary in full sentences.
- Reading: Responding to text and photos.
Using visual clues to make predictions



- Identifying main and supporting ideas
Understanding meaning from context
Identifying events to complete a timeline
Writing: Explanatory essay about literature
Concluding paragraphs
Grammar: Similes, metaphors, and figurative language

Weeks 36 & 37: p. 138- 162. Unit 7: Telling Stories

- Vocabulary: Understanding meaning from context
Matching words and definitions
Applying learned vocabulary in full sentences
Reading: Responding to text and photos
Using visual clues to make predictions
Identifying main and supporting ideas
Understanding meaning from context
Interpreting a writer's tone and meaning
Writing: Using an outline to plan an essay.
Write a persuasive essay
Grammar: Using taught grammar well in full essays

Week 38 & 39: Project. Thailand's Best Innovators and Inventors. (Handouts in class)

Research, write and present a report on the best innovators and inventors that Thailand has produced. Students will use previously taught grammar, vocabulary and reading/ writing skills to produce this project.

Week 40: Revision and Final Exams.

- Content: Making predications on reading.
Writing a persuasive essay on a given topic
Reading comprehension and inference
Taught vocabulary
Mixed conditionals, similes, metaphors, and figurative language

Resources

-
- | | |
|-----------|---|
| Required | <ul style="list-style-type: none">• At least 3 notebooks.• Dictionary (English to English, not a translating one)• Extra lines A4 paper for written assignments.• Access to a computer and internet. |
| Suggested | <ul style="list-style-type: none">• Many different colored pens/markers/highlighters |

Academic Integrity Policy

Students are expected to adhere to the Assumption College student handbook. There is to be no plagiarism, no copying, and no cheating of any kind. These and any other acts of academic dishonesty lower the quality of the education and will not be tolerated. Students



involved in any form of academic dishonesty, including any student supplying or allowing the copying to take place, will receive a zero.

Plagiarism is the act of taking someone else's work or ideas and passing them off as one's own work or ideas. Examples of plagiarism include the failure to give appropriate acknowledgement when repeating another's idea, phrase, sentence or paragraph, or failure to give appropriate acknowledgement when paraphrasing any of those.

Behavioral Expectations

For the sake of all the members of the class, students are expected to respect themselves, their classmates, the teacher, and the facilities.

Students must accept responsibility for themselves and their actions. Students are expected to be ready at the start of every class (notebooks, textbook, writing utensils, etc.) and to actively participate throughout the lesson until class is dismissed.

Behavior is monitored every day as per the class rules that are set out at the beginning of the academic year (see the front of your note books). At the end of the semester the average is taken and used for the student's behavior score (20%). Students *earn* the scores they receive.

Additionally, all Thai students are expected to embrace the following *desired characteristics*:

- Love for the country and the King, faith in religion
- Possess discipline
- Be self-sufficient
- Proud to be Thai
- Be an A.C. gentleman
- Eager to learn
- Dedicated to work
- Have a sense of public consciousness
- Be honest and upright

Attendance & Tardiness

Attendance will be taken at the start of every class. Students are expected to be in class on-time, every time. Unexcused absences or tardiness will not be tolerated. In the case of planned absences, please notify the teacher in as far in advance as possible. Students are expected to catch up on all missed work outside of class time.

Homework & Classwork

Homework and classwork will be assigned often and must be submitted on or before the due date for a score of 20 points. If the work is not done for the start of class, a maximum score of 15 will be possible. After more than one day has lapsed, a maximum score of 10 will be available. Late assignments can be submitted for a maximum of 50% (10 points) up until the last week of the term. All late or missed assignments that are not turned in *before* the last week of the term will receive a zero.



Grading

This course follows to the Assumption College grading scale:

$Final\ Score \geq 80\%$	4.0
$75\% \leq Final\ Score < 80\%$	3.5
$70\% \leq Final\ Score < 75\%$	3.0
$65\% \leq Final\ Score < 70\%$	2.5
$60\% \leq Final\ Score < 65\%$	2.0
$55\% \leq Final\ Score < 60\%$	1.5
$50\% \leq Final\ Score < 55\%$	1.0
$Final\ Score < 50\%$	0.0

Evaluation and Assessment

The final semester grade for this course out of 100% is broken down as follows:

Projects	20%
Written Work	10%
Notebooks	10%
Participation in class	10%
Behaviour	10% (Programme Mandated)
Midterm Exam	20% (Programme Mandated)
Final Exam	20% (Programme Mandated)

Recommendations for Success

English can be a difficult course for many students. All students are encouraged to try the following:

1. Read, read, read and read. The best way to learn English is to read literature. It helps with nearly every aspect of English. The best students are always the ones who *enjoy* reading. Find a book you like and keep at it. A little every day is a good way to start.
2. Watching American movies or TV shows with the English subtitles is a good way to improve your speaking and listening skills; it also helps with vocabulary too. When you come across a new word, just pause the movie and write it down in your vocabulary book.
3. Search online (in English) if you don't understand a topic discussed in class to get a better understanding of the topic.
4. Do **not** copy your classmate's work; struggle through and do the work on your own. This is how you learn.
5. Come see the teacher outside of class time for assistance.
6. Study the notes and vocabulary at least a few minutes every day, such as in homeroom or during any free time you might have in other classes.
7. If you don't understand then ask your friends, communication is vital for success in English, communicate with your classmates in English, you'll be surprised how quickly your English improves just by doing this.



EN30208 M4 English for Academic Achievement

Teacher: Mr. Jonas Godson
Contact: EP Teacher Room, 2nd Floor Colombet Building
jonasinthailand@yahoo.com

Credits: 1.5

Course Description

The English for Academic Achievement course is designed to prepare students with the grammatical skills and knowledge for writing successful academic essays. The course involves strategies for reading, grammar-building, and critical thinking for intermediate learners of English. Lessons encourage students to examine important topics in their lives and describe them through the writing process. Students are carefully guided through the fundamental concepts of English Grammar with the purpose of producing well-organized, clearly developed paragraphs that are essential to academic writing in English. The course will also be aided by a novel written by famous author Louis Sachar to promote the habit of reading in everyday life and to strengthen the reading skill of the learner. Projects and additional activities will also be added where necessary to supplement the course.

Textbooks

Cambridge English Grammar in Use
Novel: Holes, Louis Sachar

Course Outline & Objectives

Weeks 23 & 24: Job interview skills

Scope and sequence:

- Describing yourself
- Identifying strengths & weaknesses
- Presentation skills
- Grammar: Auxiliary verbs

Weeks 25 & 26: Business study: Covid-19 and its effect on the economy

Scope and Sequence:

- Vocabulary focus
- Matching meaning with context
- Grammar: Question tags
- Organizing supporting sentences

Weeks 27 & 28: Business study: Presenting a product

Scope and Sequence:

- Describing products
- Presentation skills
- Speaking presentation
- Product vocabulary
- Grammar: verb + ing (enjoy doing / stop doing, etc.)
- Verb + to, Verb + object + to

Weeks 29: Preparation for midterm exam



Scope and Sequence:

- All material from weeks 23 to 28
- Review of material taught in class
- Novel summary writing of the last fifteen chapters & book report

Weeks 30: Midterm exam.

Content:

- All business vocabulary taught in class and from the assignments
- All grammar taught weeks 23 - 30

End of Midterm Exam Content – Start of Final Exam Content

Weeks 33 & 34: Writing an email for a job

Scope and Sequence

- Email structure for applying for a job
- Creating a cover letter
- Greeting an employer, body, and salutations
- Phrases and meaning
- Grammar: **Prefer** and **would rather**
- Prepositions

Weeks 35 & 36: An Introduction to Marketing

Scope and Sequence:

- The four Ps of marketing
- Types of promotion
- Vocabulary matching
- How prices are set
- Marketing psychology
- Grammar: be/get used to.....
- Verb + preposition + -ing
- Adjective + to

Weeks 37 & 38: Business study: Work culture

Scope and Sequence:

- The culture of work
- Types of personalities in the office
- Office vocabulary
- Typical office setting and structure
- Grammar: See somebody do / doing something; -ing clauses

Weeks 39: Review for final exam.

Scope and Sequence:

- Review of material taught in class
- Grammar quiz encompassing the material taught in class
- Review of all business study material

Week 40: Final exam period

Content:

- All business vocabulary taught in class and from the assignments
- All grammar taught weeks 33 - 38



Resources

Required

- At least 3 notebooks.
- Dictionary (English to English, not a translating one)
- Extra lines A4 paper for written assignments.
- Access to a computer and internet.
- A Gmail email account would be beneficial.

Suggested

- Many different colored pens/markers/highlighters

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The final semester grade for this course out of 100% is broken down as follows:

Student book	10%
Notebook	10%
Quizzes	10%
Folder for worksheets	10%
Novel	10%
Behaviour	10% (Program Mandated)
Midterm Exam	20% (Program Mandated)
Final Exam	20% (Program Mandated)

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