



MA30101 Foundation Mathematics 1

Teacher	Mr. Andrew Watson
Contact	EP Teacher Room, 2 nd Floor Colombet Bldg. epacandrew@gmail.com and Schoology direct message
Class Time	EP-M4/1: 2 x periods / week EP-M4/2: 2 x periods / week
Credits	1.0

Course Description

Before midterm exams:

This foundation course focuses on Algebra and Exponents. EP3 recap of knowledge on linear & quadratic expressions and equations is essential, before moving on to exponents and functions later in the year. The study of exponents involves basic laws, negative and fractional laws, solving exponential equations and surds. It also includes scientific notation problems. 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:

The study of exponents continues with exponential graphs and real-life growth/decay problems. Graphical solutions of linear & quadratic are then covered along with inequalities (linear, quadratic, radical and graphical solutions). Finally, absolute value is introduced: then followed by equation and inequality problems.

Textbook

Teacher handouts and Barron's SAT Math Level 1, 13th Edition. ISBN: 978-1-4380-1114-1

Online resources

Khan Academy, Kahoot and Schoology

Course Outline & Objectives

Learning Unit 1(from Universal): **Review of Algebra and Quadratics** [Strand M4.1 & 4.2]

1. Solving linear equations and expressions
2. Solving quadratic equations by factorizing and quadratic formula (discriminant rule)
3. Solving quadratic equations by completing the square
4. Special factoring (difference of two squares and perfect squares)
5. Estimating the solutions of quadratic equations graphically (and problem solving)
6. Finding the vertex ($x = -b/2a$ and vertex formula methods)

Learning Unit 4: **Exponential** [Strand M6.1]

1. Laws of indices (basic, negative and fractional)
2. Solutions to exponential equations
3. Dealing with surds

End of Midterm Exam Content – Start of Final Exam Content



Learning Unit 2: **Real Numbers** [Strand M4.1 & 4.2]

(includes duplication of Unit 3 from Universal course Semester 1)

1. Exponential graphs and problems (growth & decay: investment, depreciation, populations)
2. Further algebra:
 - recap of simultaneous linear equations
 - solving simultaneous ‘linear and quadratic’ equations
3. Inequalities:
 - properties of inequalities
 - inequality solutions on a number line or interval notation
 - solving inequality with one variable and quadratic inequalities
 - solving radical inequalities (and equations)
 - solving graphical inequalities
4. Absolute value: solving absolute value equations & solving absolute value inequalities

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. If the work is not done for the start of class, a maximum score of 15 will be possible. 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:

$Final\ Score \geq 80\%$	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:

Formative 1 (quiz/book/homework)	20%
Formative 2 (quiz/book/homework)	30%
Behavior	10% (program mandated)
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.



MA30213 Universal Mathematics 1

Teacher Mr Keerthi Prabhakar

Class Time EP-M4/1: Mon, period 5; Tues, period 6; Wed, period 3
EP-M4/2: Mon, period 6; Tues, period 3; Fri, period 4

Credits 1.0

Course Description

Thailand's Basic Education Core Curriculum B.E. 2551 (A.D. 2008) prescribes the mathematical understanding and skills for grades 10 to 12.

The following table shows how MA30213 is related to the Ministry of Education's standards. The topics explored by each MA30213 unit are highlighted in **bold type**.

Textbook

Unit	Topic
1	Reasoning and Logic 1. Propositions and connections 2. Truth values 3. Equivalency 4. Tautology 5. Quantifiers & Argumentation
2	Real Number system: Equations & inequalities 1. Solving Linear simultaneous equations 2. Solving linear & quadratic simultaneous equations 3. Solve linear inequalities 4. Solve quadratic inequalities
3	Sets 1. Types of sets and equality of sets 2. Subset and power set 3. Venn-Euler diagram 4. Operations of sets: Union, Intersection, Complement, Difference 5. Members of finite sets and solutions

Basic Resources

Pen, pencil, ruler, eraser, calculator.

White notebook, A4 plastic portfolio (to keep all student work and handouts)

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 each semester, the points are accumulated and used for the student's behaviour score (10%).

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 be subject to a penalty (deduction of marks).** 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:

Assignments	25%
Tests	25%
Behaviour	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 work; 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.



SC30101 Foundation Physics

Teacher	Glenn Thomas
Contact	EP Teacher Room, 2 nd Floor Colombet Bldg. Glennthomas303@gmail.com
Credits	1.5

Course Description

This introductory course to physics focuses on classical mechanics. Foundation Physics opens with a review of the science of physics, examining the necessity of units in measurements and covering common physics vocabulary terms. Subsequently, motion is studied in one and then two dimensions. After the fundamentals of motion, vector addition and projectile motion are covered. This course also covers wave motion, electromagnetism, and sound and light. The course offers both a conceptual foundation and an algebra-based presentation of physics. 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 SAT Physics test prep book by Barron's. The course is prerequisite to SC30211 Universal Physics 1.

Learning Content

Studying the basic knowledge in the field of calculating resultant force, acceleration of objects, action and reaction force, motion in a straight, Projectile motion, circular motion, vibration motion, magnetic field, the cause of EFM and the knowledge to use, the weak and strong force, reflection, diffraction, diffusion, frequency of sound, natural frequency, resonance, resonance effect, sound intensity, sound level affects hearing, the cause of resonance, beat, Doppler, sound resonance, the application of knowledge to use in daily life, the object's color visibility, color vision disorders, the function of color filters, light mixes, and their use in daily life, electromagnetic waves, the components of electromagnetic waves and the working functions of some devices that rely on electromagnetic waves, communication with analog signals with digital signals

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

Pearson's Physics (James S. Walker) 2014
ISBN – 13: 978-0-13-137115-6; ISBN – 10: 0-13-137115-0
Barron's SAT Physics 2nd Edition, 2016
ISSN: 2155-6040; ISBN: 978-1-4380-0789-2
Pearson's Physical Science Workbook (Prentice Hall)
ISBN – 13: 978-0-13-362820-3



Course Outline & Objectives

Unit 1: Linear Motion in One Dimension

Chapter 1: Conventions and Graphing

- ✓ Fundamental and Derived Units
- ✓ Graphing Variables
- ✓ Slope and Area
- ✓ Interpreting Graphs

Chapter 2: Vectors

- ✓ Coordinate System
- ✓ Scalars
- ✓ Vectors
- ✓ Vector Mathematic

Chapter 3: Kinematics in One Dimension

- ✓ Kinematic Quantities
- ✓ Identifying Variables
- ✓ Kinematic Equations
- ✓ Kinematic Graphs

Unit 2: Motion in Two Dimensions

Chapter 4: Kinematics in Two Dimensions

- ✓ Independence of Motion
- ✓ True Velocity and Displacement
- ✓ Relative Velocity
- ✓ Projectile Motion

Unit 3: Mass and Newton's Laws of Motion

Chapter 5: Dynamics

- ✓ Inertia
- ✓ Force
- ✓ Common Forces
- ✓ Force Diagrams
- ✓ Newton's Laws of Motion
- ✓ Solving Force Problems

End of Midterm Exam Content – Start of Final Exam Content

Unit 4: Field of Force

- ✓ Fundamental physics forces
- ✓ Weak Force
- ✓ Strong Force

Unit 5: Waves

Chapter 15: Waves



- ✓ Traveling Waves
- ✓ Mechanical Waves
- ✓ Electromagnetic Waves
- ✓ Doppler Effect
- ✓ Superposition and Standing Waves

Unit 6: Sounds and Hearing

- ✓ Nature of sound
- ✓ Speed of sound
- ✓ Properties of sound waves

Unit 7: Electromagnetic Waves

- ✓ Electromagnetic spectrum
- ✓ Applications of electromagnetic waves

Unit 8: Light

- ✓ Eyes and Visibility
- ✓ Color

Resources

- | | |
|-----------|---|
| Required | <input type="checkbox"/> Barron's SAT Physics 2 nd Edition |
| | <input type="checkbox"/> Physical Science Workbook |
| | <input type="checkbox"/> Pearson's Physics |
| | <input type="checkbox"/> Folder for Physics only (to keep handouts, etc.) |
| Suggested | <input type="checkbox"/> Many different colored pens/markers/highlighters |
| | <input type="checkbox"/> Electronic Thai-English translator (not a phone-based application) |
| | <input type="checkbox"/> A Matayom-level physics practice book in Thai |

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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 (3 notebooks,



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%). Students *earn* the scores they receive.

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.

Classwork

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:

$Final\ Score \geq 80\%$	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:

Classwork/Lab	20%
Quiz	20%
STEM	10%
Behavior	10% (program mandated)
Midterm Exam	20% (program mandated)
Final Exam	20% (program mandated)

Recommendations for Success

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

1. Read, read, read the Pearson's *Physics* textbook. 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. Get a Thai language introductory physics 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.



SC30103 Foundation Biology

Teacher	Mr. Nicholas Crook
Contact	General Office, 2 nd Floor Colombet Bldg. epacnic@gmail.com
Class Time	EP-M 4/1: EP-M 4/2:
Credits	1.5

Course Description

This introductory course to biology focuses on life at the cellular level. Foundation Biology opens by explaining the philosophy of science and studying biology using the scientific method. That philosophy is then used to study microscopy, cell structure, transport, and homeostasis at the cellular level. The course will then explore the chemistry of life, an introduction to digestion, and nutrition. Specifically, students will evaluate the biochemical pathway that leads from the chemistry of water and macromolecules to their roles in nutrition and the human digestive system. The course will closely follow the order and content of the latest version of the American high school textbook *Biology*, by Pearsons. The course is prerequisite to SC30256 Universal Biology 1.

Textbook

Biology, by Pearsons 2019 (ISBN-13: 978-0-328-92512-4)

Course Outline & Objectives

Part 1: The Science of Biology, Cell Structure, Transport, and Homeostasis

Chapter 8: Cell Structure and Function

8.1 Life is Cellular [Indicators 9-11]

- ✓ State the cell theory
- ✓ Describe how the different types of microscopes work.
- ✓ Distinguish between prokaryotes and eukaryotes.

8.2 Cell Structure [Indicators 12-16]

- ✓ Describe the structure and function of the cell nucleus.
- ✓ Describe the roles of vacuoles, lysosomes, and the cytoskeleton.
- ✓ Identify the role of ribosomes, endoplasmic reticulum, and Golgi apparatus in making proteins.
- ✓ Describe the function of the chloroplasts and mitochondria in the cell.
- ✓ Describe the function of the cell membrane.

8.3 Cell Transport [Indicators 17-19]



- ✓ Describe passive transport.
 - ✓ Describe active transport.
- 8.4 Homeostasis and Cells [Indicators 20-21]
- ✓ Explain how unicellular organisms maintain homeostasis.
 - ✓ Explain how multicellular organisms maintain homeostasis.

End of Midterm Exam Content – Start of Final Exam Content

Part 2: The Chemistry of Life, Into to the Digestive System, and Nutrition

Chapter 2: The Chemistry of Life

- 2.1 The Nature of Matter [Indicators 22-26]
- ✓ Identify the three subatomic particles found in atoms.
 - ✓ Explain how all of the isotopes of an element are similar and how they are different.
 - ✓ Explain how compounds are different from their component elements.
 - ✓ Describe the two main types of chemical bonds.
- 2.2 Properties of Water [Indicators 27-28]
- ✓ Discuss the unique properties of water.
 - ✓ Differentiate between solutions and suspensions.
 - ✓ Explain what acidic solutions and basic solutions are.
- 2.3 Carbon Compounds [Indicators 29-30]
- ✓ Describe the unique qualities of carbon.
 - ✓ Describe the structures and functions of the four groups of macromolecules: carbohydrates, proteins, lipids, and nucleic acids.
- 2.4 Chemical Reactions and Enzymes [Indicators 31-33]
- ✓ Explain how chemical reactions affect chemical bonds.
 - ✓ Describe how energy changes affect how easily a chemical reactions occur.
 - ✓ Explain why enzymes are important to living things.

Chapter 25: Animal Systems – Part 1

- 25.1 Feeding and Digestion [Indicators 34-35]
- ✓ Describe how animals obtain food.
 - ✓ Explain how digestion occurs in animals.
 - ✓ Describe how mouthparts are adapted for different diets.

Resources

- | | |
|-----------|---|
| Required | <input type="checkbox"/> Plastic Folder for F. Biology only (to keep handouts, etc.)
<input type="checkbox"/> 2 notebooks (white and pink) |
| Suggested | <input type="checkbox"/> Many different colored pens/markers/highlighters
<input type="checkbox"/> Electronic Thai-English translator (not a phone-based application)
<input type="checkbox"/> Ruler
<input type="checkbox"/> Glue stick, stapler, or tape |



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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 (textbook, plastic folder for handouts, writing utensils, etc.) and to actively participate throughout the lesson until class is dismissed.

A behavior score (out of 3 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*:

- Possess discipline
- Be an AC gentleman
- Eager to learn
- 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.

Homework & Classwork

Homework and classwork will be assigned often and must be submitted on or before the due date. No late assignments will be accepted unless the student is absent the day the assigned work is due. If a student is absent the day an assignment is due, the assigned work will be due at the beginning of the following class. Remember- it is the student's responsibility to remember what and when assignments are due.



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:

Homework/Classwork	45%
Quizzes	5%
Behavior	10% (program mandated)
Midterm (Summative) Exam	20% (program mandated)
Final Exam	20% (program mandated)

Recommendations for Success

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

1. Read, read, read the *Biology*, by Pearsons textbook. 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. Get a Thai language introductory biology 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.



SC30104 Foundation Earth Science, Astronomy

Teacher Mr. Noah D Amaya
Contact
Credits 1.0/1.5

Course Description

This course focuses on Earth, Stars, and the Universe. 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 *My World of Earth Science*, 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

My World of Earth Science Astronomy, Orient Blackswan 2012 or 2014
ISBN: 978-0-20106-682-1

Course Outline & Objectives

My World of Earth Science Astronomy



Unit 1. Stars

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.

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: Inner and Outer planets of the solar system.

Chapter 7: Other objects: Asteroids, Meteors, 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.

Midterm Exam content complete

Chapter 8: Telescopes and Space Explorations

Explain launches and space exploration using spacecraft and space stations.

Explore recent launches and space exploration and our current space stations.

Resources

- | | |
|----------|--|
| Required | <input type="checkbox"/> Notebook |
| | <input type="checkbox"/> Scientific calculator (not a phone-based application) |
| | <input type="checkbox"/> 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:

<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:

Assignments/Classwork/Lab	20%
Quiz/Test	20%
Notebook	10%
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.



HP30101 M4 Foundation Health Studies & Physical Education 1

Teacher	Mr. Brian Mallon
Contact	EP Staff Office, Level 2 bmal1332@gmail.com
Credits	0.5

Course Description

Students will study a Health component and a Physical Education component under the one unit in M4.

Students will learn the process of maintaining working efficiency of organ systems, enforcement process and workings of the integumentary system, skeletal and muscular systems, methods for planning health care according to conditions, growth, and development of oneself and family, family, peer and social development. Students will learn the cultural factors affecting sexual behaviors, sexual deviation and ways of life in society. Students will discover the nature of emotions, occurrence of sexual emotions, and strategies to deal with the prevention of sexually transmitted infections.

Student will acquire the skills on how to reduce conflicts occurring between students or youth in the community, recognize advertisements promoting physical health and propose methods to prevent illnesses and death in Thai people.

Students will continue to discover foundation physical education with a focus on individual ability to increase team capacity. At the same time, students have to show movements creatively, participate in recreation activities outside schools, and consider effects on other people by showing good manners, observing with enthusiasm, sportsmanship and admiring values and beauty of sports.

Students will establish knowledge and understanding, practical skills, problem-solving skills, decision-making skills, value to create knowledge, understanding to real-life situations with morality, ethics, honesty, disciplines, responsibility, being free from addictive substances and allurements, democracy and justice.



Textbook

No text book required for this unit

Physical Education Indicators

1. Play/model at least 1 Thai sport and 1 international sports individually and on teams.
2. Show movements creatively.
3. Joint recreation activities outside schools and use the principles and concepts to improve and develop quality of one's life and society.
4. Exercise and play sports regularly and properly to one's capacity, and use one's ability to increase team capacity, reduce ego, and consider effects to the society.
5. Explain and practice rights, rules, regulations, and tactics during the games and competitions with other people, conclude them as guidelines, and use them in daily life continuously.
6. Express good manners of watching, playing, and competing sports with sportsmanship and use them in daily life continuously.
7. Joint physical activities and play sports happily and admire values and beauty of sports.

Health Indicators

1. Explain reinforcement process and process of maintaining working efficiency of organ systems.
2. Plan health care according to growing conditions and development of oneself and other people in the family.
3. Analyze the influence of family, peers, society, and culture affecting sexual behaviors and ways of life.
4. Analyze sexual values in Thai and other cultures.
5. Choose proper skills to prevent and reduce conflicts and to solve sexual and family problems.
6. Analyze causes and effects of conflicts occurring between students or youth in the community and propose the solutions.
7. Analyze personal roles and responsibilities to health promotion and disease prevention in community.



8. Analyze influence of health advertisements for consuming selection.
9. Conduct oneself according to consumer rights.
10. Analyze causes and propose methods to prevent illnesses and death in Thai people.
11. Analyze the concept about different types of movements when playing sports.

Physical Education Component

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

- ✓ Test of Physical Fitness
- ✓ Exercises, playing sports or games

2. Movements in Exercising and Playing Sports Creatively [Indicators – 1, 2, 3, 4, 5, 6, 7]

- ✓ Physical movement in practicing athletic skills and exercises.
- ✓ Physical connection in practicing athletic skills and exercises.
- ✓ Physical connection and movement to warm-up for athletics.
- ✓ Physical connection and movement in practicing badminton skills
- ✓ Physical connection and movement in practicing basketball skills

3. Badminton: Rules / Regulations / Competitions Methods [Indicators – 1, 2, 4, 5, 6, 7]

- ✓ Rules and regulations in competitions.
- ✓ Planning for attacks and defenses.
- ✓ Types of Gameplay (e.g. teams/doubles, mixed doubles)
- ✓ Good manners of watching and playing sports
- ✓ Sportsmanship
- ✓ Good personalities
- ✓ Playing sports happily
- ✓ Admiring the value and beauty of sports
- ✓ Etiquette
- ✓ Basic Movements

4. Basketball: Rules / Regulations / Competitions / Skills [Indicators – 1, 2, 3, 4, 5, 6, 7]

- ✓ Team playing and competition.
- ✓ Tactics of attacking-defending.
- ✓ Sportsmanship



- ✓ Cooperation in participating activities.

Health Component

1. Planning of One's Health Care [Indicators – 2, 3, 5, 6, 7, 10,]

- ✓ Body Mass Index
- ✓ Definition and importance of planning of one's health care
- ✓ Factors affecting growth and development of teenagers
- ✓ Methods of one's health care

2. Work Efficiency of System of Body Composition [Indicators 1]

- ✓ Integumentary system
- ✓ Skeletal system
- ✓ Muscular system

3. Teenagers and Sexual Behaviors [Indicators – 2, 3, 4, 7, 10]

- ✓ Definition and importance of teenagers and sexual behaviors
- ✓ Factors affecting sexual behaviors
- ✓ Sexual deviation

4. Sexual Transmitted Infections [Indicators – 1, 2, 3, 4, 5]

- ✓ Definition and importance of sexually transmitted infections
- ✓ HIV / AIDS
- ✓ Venereal diseases

Resources

Required

- 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) Needed by the end of online classes when school starts.

Pink resource booklet for note taking (Reminder that any handouts must be stapled or glue into the pink resource). Needed by the end of online classes when school starts.



Suggested Fitness and sport activities at least 1-hour each day

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 (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

For online classes, attendance will be determined by whether the student completed the weekly work or not. In the case where you know you will not be able to submit an assignment on time, please notify the teacher in as far in advance as possible. Students are expected to catch up on all missed work.

Homework & Classwork

Homework in Physical Education is limited, however any Homework 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:

$Final\ Score \geq 80\%$	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

Health / PE

MOE Physical Fitness Tests	20% (formative scores)
Worksheets and Assignments	30% (formative scores)
Affective Domain	10% (program mandated)
Midterm Exam	20% (program mandated)
Final Exam	20% (program mandated)

Thailand Ministry of Education Fitness Testing

PASS or FAIL

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.



EN30101 Foundation English 1

Student Syllabus for: EP-M.4 Business English (EN30101)

Teacher: Mr. Ian Daly

Contact: epac.iandaly@gmail.com

COURSE DESCRIPTION:

Welcome to Semester 1 of EP M.4 Business English. This course is designed to further your ability with analyzing reading, critical thinking, as well as strengthen your formal writing ability. We focus on academic skills, writing, time management and inter-personal communication skills, all with a business-focus.

A Relevant and Diverse Specification

Students will consider the practical application of business concepts. The units provide opportunities to explore theories and concepts in the most relevant way, through the context of events in the business and economic world.

The knowledge and skills gained from this specification will provide students with a firm foundation for further study.

This qualification is linear. Linear means that students will sit all their exams at the end of the course.

SUBJECT CONTENT:

1. Business in the real world
2. Influences on business
3. Business operations
4. Human resources
5. Marketing
6. Finance

COURSE OBJECTIVES:

Students apply their knowledge and understanding to different business contexts ranging from small enterprises to large multinationals and businesses operating in local, national and global contexts. Students develop an understanding of how these contexts impact on business behaviour.

Students will apply their knowledge and understanding to business decision making including:



- the interdependent nature of business activity, influences on business, business operations, finance, marketing and human resources, and how these interdependencies underpin business decision-making
- how different business contexts affect business decisions
- the use and limitation of quantitative and qualitative data in making business decisions.

Our specification requires students to draw on the knowledge and understanding to:

- use business terminology to identify and explain business activity
- apply business concepts to familiar and unfamiliar contexts
- develop problem solving and decision making skills relevant to business
- investigate, analyse and evaluate business opportunities and issues
- make justified decisions using both qualitative and quantitative data including its selection, interpretation, analysis and evaluation, and the application of appropriate quantitative skills.

The course is at an upper-intermediate level and will move quickly. If you miss a class, it is your responsibility to find out what you have missed, either from your classmates or by seeing me on your own time, not during class time.

COURSE OUTLINE:

Find past papers and mark schemes, and specimen papers for new courses at aqa.org.uk/pastpapers

This specification is designed to be taken over two years but the learners at Assumption will undertake a concentrated and targeted learning plan.

This is a linear qualification. In order to achieve the award, students must complete all assessments at the end of the course and in the same series.

GCSE exams and certification for this specification are available for the first time in May/June 2019 and then every May/June for the life of the specification. All materials are available in English only.

Our GCSE exams in Business include questions that allow students to demonstrate their ability to:

1. draw together their knowledge, skills and understanding from across the full course of study
2. provide extended responses.

Aims and learning outcomes

Courses based on this specification should encourage students to:

1. know and understand business concepts, business terminology, business objectives, the integrated nature of business activity and the impact of business on individuals and wider society
2. apply knowledge and understanding to contemporary business issues and to different types and sizes of businesses in local, national and global contexts



3. develop as enterprising individuals with the ability to think commercially and creatively to demonstrate business acumen, and draw on evidence to make informed business decisions and solve business problems
4. develop as effective and independent students, and as critical and reflective thinkers with enquiring minds
5. use an enquiring, critical approach to make informed judgements
6. investigate and analyse real business opportunities and issues to construct well-argued, well-evidenced, balanced and structured arguments, demonstrating their depth and breadth and understanding of business
7. develop and apply quantitative skills relevant to business, including using and interpreting data.

Assessment objectives

Assessment objectives (AOs) are set by Ofqual and are the same across all GCSE Business specifications and all exam boards.

The exams will measure how students have achieved the following assessment objectives.

- AO1: Demonstrate knowledge and understanding of business concepts and issues.
- AO2: Apply knowledge and understanding of business concepts and issues to a variety of contexts.
- AO3: Analyse and evaluate business information and issues to demonstrate understanding of business activity, make judgements and draw conclusions.

You need to have the following in class each day:

Blue or Black ink pens and pencils.

Plastic folder to hold materials/textbooks

(2) White notebooks

(1) Highlighter

Paper Dictionary

Paper/Electronic Thesaurus

COURSE POLICIES/BEHAVIOR:

Course policies are the rules and guidelines our class follows. They can be summed up in one word: respect. Respect the teacher; respect your fellow classmates and their desire to learn. Exhibit respect and behave and act as young men.

CHEATING, COPYING and PLAGIARISM:

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.



HOMEWORK:

All homework assignments must be completed and turned in during class the day that it is due. Late work is accepted, but if work is turned in after class or the next day, points will be deducted.

GRADE DETERMINATION:

Your grades will be determined by your homework, class work, quizzes/tests and participation. You will be graded on speaking, listening, reading, writing and behaviour. Do your best in everything that we do, and do your best to keep up and not miss anything. Zeros will hurt your grade much more than a low score. **Active participation and preparedness is expected at all times!**

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:

STEM	10%
Skills (Assignments)	10%
Grammar	5%
I study Test	5%
Vocabulary	10%
Reading	10%
Behavior	10% (program mandated)
Midterm (Summative) Exam	20% (program mandated)
Final Exam	20% (program mandated)

With your dedication, discipline, respect and hard work we will have an excellent semester.



THE ENGLISH PROGRAM AT ASSUMPTION COLLEGE
Course Syllabus – Semester 1/2020

Week	Course Content
1	Learning Intentions: • We will know how to use online systems. • We will review the vocabulary studied with Mr. Marcus last term (Business vocabulary letters A-L) • We will begin to use our core textbook
2	Learning Intentions: • We will start understanding why business is important in the real-world. • We will add to our relevant vocabulary (Business vocabulary letters I-M)
3	Learning Intentions: • We will begin to use business vocabulary when talking about our own businesses. • We will add to relevant vocabulary (Business vocabulary letters I-M)
4	Learning Intentions: • We will develop ideas for our own businesses. • We will add to our relevant vocabulary. (Business vocabulary letters O-Z)
5	Learning Intentions: • We will begin to understand why businesses need key aims objectives (aside from profit/earning money.) • We will work together to develop our business ideas. • (Business vocabulary command words)
6	Learning Intentions: • We will begin to understand the role of shareholders in business. • Our pair will join with another so that we understand the relationship between business and investors. What
7	Learning Intentions: ▪ We will understand how important careful planning is in business. ▪ We will compare our understanding with our peers and understand which areas we need to develop individually.
8	Learning Intentions: ▪ We will review what we have studied before and use our knowledge in questions in the same format as the official exam. ▪ We will review command words and their role in examinations.
9	Learning Intentions: ▪ We will examine and identify factors relevant to location descisions. ▪ We will identify the contents of a business plan.
10 <i>Partial week</i>	Internal Mid-term exam - Revision
11	Internal Mid-term exam
12	Intenational Mock iGCSE Business - Revision
13	Intenational Mock iGCSE Business - Revision
14	Holiday week
15	Intenational Mock iGCSE Business
16	Learning Intentions: ▪ We will describe the main stages of the business cycle. ▪ We will discuss how demand for products may fluctuate as incomes change.
17	Learning Intentions: ▪ We will explain the concept of globalization and identify opportunities it presents. ▪ We will identify tariffs and quotas introduced by governments.
18	Learning Intentions: ▪ We will understand how resources can be managed and used. ▪ We identify factors that increase productivity.
19 <i>Partial week</i>	Internal Final-term exam - Revision
20	Internal Final-term exam



EN30213 English for Application 1

Student Syllabus for: EP-M.4 English for Application (EN30213)

Teacher: Mr. Ian Daly

Contact: epac.iandaly@gmail.com

COURSE DESCRIPTION:

Welcome to Semester 1 of EP M.4 Business English. This course is designed to further your ability with analyzing reading, critical thinking, as well as strengthen your formal writing ability. We focus on academic skills, writing, time management and inter-personal communication skills, all with a business-focus.

A Relevant and Diverse Specification

Students will consider the practical application of business concepts. The units provide opportunities to explore theories and concepts in the most relevant way, through the context of events in the business and economic world.

The knowledge and skills gained from this specification will provide students with a firm foundation for further study.

This qualification is linear. Linear means that students will sit all their exams at the end of the course.

SUBJECT CONTENT:

1. Business in the real world
2. Influences on business
3. Business operations
4. Human resources
5. Marketing
6. Finance

COURSE OBJECTIVES:

Students apply their knowledge and understanding to different business contexts ranging from small enterprises to large multinationals and businesses operating in local, national and global contexts. Students develop an understanding of how these contexts impact on business behaviour.

Students will apply their knowledge and understanding to business decision making including:



- the interdependent nature of business activity, influences on business, business operations, finance, marketing and human resources, and how these interdependencies underpin business decision-making
- how different business contexts affect business decisions
- the use and limitation of quantitative and qualitative data in making business decisions.

Our specification requires students to draw on the knowledge and understanding to:

- use business terminology to identify and explain business activity
- apply business concepts to familiar and unfamiliar contexts
- develop problem solving and decision making skills relevant to business
- investigate, analyse and evaluate business opportunities and issues
- make justified decisions using both qualitative and quantitative data including its selection, interpretation, analysis and evaluation, and the application of appropriate quantitative skills.

The course is at an upper-intermediate level and will move quickly. If you miss a class, it is your responsibility to find out what you have missed, either from your classmates or by seeing me on your own time, not during class time.

COURSE OUTLINE:

Find past papers and mark schemes, and specimen papers for new courses at aqa.org.uk/pastpapers

This specification is designed to be taken over two years but the learners at Assumption will undertake a concentrated and targeted learning plan.

This is a linear qualification. In order to achieve the award, students must complete all assessments at the end of the course and in the same series.

GCSE exams and certification for this specification are available for the first time in May/June 2019 and then every May/June for the life of the specification. All materials are available in English only.

Our GCSE exams in Business include questions that allow students to demonstrate their ability to:

3. draw together their knowledge, skills and understanding from across the full course of study
4. provide extended responses.

Aims and learning outcomes

Courses based on this specification should encourage students to:

8. know and understand business concepts, business terminology, business objectives, the integrated nature of business activity and the impact of business on individuals and wider society
9. apply knowledge and understanding to contemporary business issues and to different types and sizes of businesses in local, national and global contexts



10. develop as enterprising individuals with the ability to think commercially and creatively to demonstrate business acumen, and draw on evidence to make informed business decisions and solve business problems
11. develop as effective and independent students, and as critical and reflective thinkers with enquiring minds
12. use an enquiring, critical approach to make informed judgements
13. investigate and analyse real business opportunities and issues to construct well-argued, well-evidenced, balanced and structured arguments, demonstrating their depth and breadth and understanding of business
14. develop and apply quantitative skills relevant to business, including using and interpreting data.

Assessment objectives

Assessment objectives (AOs) are set by Ofqual and are the same across all GCSE Business specifications and all exam boards.

The exams will measure how students have achieved the following assessment objectives.

- AO1: Demonstrate knowledge and understanding of business concepts and issues.
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- AO3: Analyse and evaluate business information and issues to demonstrate understanding of business activity, make judgements and draw conclusions.

You need to have the following in class each day:

Blue or Black ink pens and pencils.

Plastic folder to hold materials/textbooks

(2) White notebooks

(1) Highlighter

Paper Dictionary

Paper/Electronic Thesaurus

COURSE POLICIES/BEHAVIOR:

Course policies are the rules and guidelines our class follows. They can be summed up in one word: respect. Respect the teacher; respect your fellow classmates and their desire to learn. Exhibit respect and behave and act as young men.

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HOMEWORK:

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$60\% \leq Final\ Score < 65\%$	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:

STEM	10%
Skills (Assignments)	10%
Grammar	5%
I study Test	5%
Vocabulary	10%
Reading	10%
Behavior	10% (program mandated)
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Final Exam	20% (program mandated)

With your dedication, discipline, respect and hard work we will have an excellent semester.



THE ENGLISH PROGRAM AT ASSUMPTION COLLEGE
Course Syllabus – Semester 1/2020

<i>Week</i>	<i>Course Content</i>
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4	Learning Intentions: • We will develop ideas for our own businesses. • We will add to our relevant vocabulary. (Business vocabulary letters O-Z)
5	Learning Intentions: • We will begin to understand why businesses need key aims objectives (aside from profit/earning money.) • We will work together to develop our business ideas. • (Business vocabulary command words)
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8	Learning Intentions: ▪ We will review what we have studied before and use our knowledge in questions in the same format as the official exam. ▪ We will review command words and their role in examinations.
9	Learning Intentions: ▪ We will examine and identify factors relevant to location descisions. ▪ We will identify the contents of a business plan.
10 <i>Partial week</i>	Internal Mid-term exam - Revision
11	Internal Mid-term exam
12	Intenational Mock iGCSE Business - Revision
13	Intenational Mock iGCSE Business - Revision
14	Holiday week
15	Intenational Mock iGCSE Business
16	Learning Intentions: ▪ We will describe the main stages of the business cycle. ▪ We will discuss how demand for products may fluctuate as incomes change.
17	Learning Intentions: ▪ We will explain the concept of globalization and identify opportunities it presents. ▪ We will identify tariffs and quotas introduced by governments.
18	Learning Intentions: ▪ We will understand how resources can be managed and used. ▪ We identify factors that increase productivity.
19 <i>Partial week</i>	Internal Final-term exam - Revision
20	Internal Final-term exam



Student Syllabus for: EPM4 Reading and Writing EN30214

Teacher: Mr. Marcus Woodhouse

COURSE DESCRIPTION:

Welcome to EN30214 Reading & Writing. This course is designed to further your ability with for the IELTS examination. We focus only academic skills to improve your IELTS score. You will regularly practice advancing your vocabulary, understanding of question types, and responding formally to a variety of questions. In-class assignments, participation, and exams make up your grade.

The course is at an intermediate level and will move quickly. If you miss a class, it is your responsibility to find out what you have missed, either from your classmates or by seeing me on your own time, not during class time.

Assignment Types:

Question Types & IELTS Topics: This topic will be repeated throughout the Term, almost in every class. Most students are unsure how to respond to question types, generate ideas and respond accordingly. Therefore, in almost every class students will analyze question types, breakdown the question, and prepare responses. These skills are critical for University.

Vocabulary: Students will do various in class assignments which will be matched to the topics, and include learning meaning in context. This activity will be connected to question types, writing and reading assignments.

Writing Assignments: Writing assignments will be matched to the topics. This will include the analysis of question types, preparing responses, outline and planning. Developing complex sentence structures, properly organized task responses, including coherent and cohesive responses to task questions.

Resources

- | | |
|-----------|---|
| Required | <input type="checkbox"/> Schoology Account. |
| | <input type="checkbox"/> At least 2 white notebooks. |
| | <input type="checkbox"/> Dictionary & Thesaurus (English to English) |
| | <input type="checkbox"/> Extra lines A4 paper for written assignments. |
| Suggested | <input type="checkbox"/> 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. 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. If the work is not done for the start of class, your maximum score will be reduced. 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 (program mandated)

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

Total Score of all Formative Assessment	50%
Behavior	10%
Midterm (Summative) Exam	20%
Final Exam	20%

Recommendations for Success

All students are encouraged to try the following:

1. Be on task during class. Focus and do the required activities to your best abilities.
2. Watch English language media with the English subtitles is a good way to improve English.
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. Come see the teacher outside of class time for assistance.
5. Revise your work as recommended by your teacher and work to continuously improve your work. ***Learning is a process, not a product.***

Precise resources:

- **Teacher** Handouts & Worksheets;
- White notebooks and folder;
- **Teacher** Presentations;
- Notebooks;
- Projector.