



MA30104 Foundation Mathematics 4

Teacher Mr. Keerthi Prabhakar
Contact EP Teacher Room, 2nd Floor Colombet Bldg.
epackeerthi@gmail.com

Class Time EP-M5/1: Tue, period 6; Thu, period 3
EP-M5/2: Wed, period 1 ; Fri, period 2

Credits 1.0

Course Description

Study foundation mathematics on the following topics. Sequence and series: finding the terms of finite sequence, arithmetic sequence and geometric sequence, arithmetic series and geometric series. Probability: basic principles of counting and probability of events. Use mathematical skills and processes which are problem-solving, reasoning, communications, mathematical implication and presentation, mathematical connections, and creative thinking, along with possessing the desired characteristics including 1) Love for their country, their King, and faith in their religion, 2) Be honest and upright 3) Possess discipline 4) Eager to learn 5) Be self-sufficient 6) Dedicated to work 7) Proud to be Thai 8) Have a sense of public consciousness.

Textbook / Worksheets

Mathematics for the International Student: Mathematics SL, 3rd Edition
Teacher will also provide handouts

Course Outline & Objectives

Unit	Topic
1	Fundamental Statistics 1. Data collection 2. Basic data analysis 3. Finding central tendency by using the arithmetic mean, median, mode*, harmonic mean, geometric mean, and mid-range 4. Finding relative standing by using quartile, deciles, and percentile 5. Measures of dispersion by using standard deviation 6. Measures of dispersion by using box-and-whisker plots

Resources

Required

- ☐ At least one notebook
- ☐ Scientific calculator (not a phone-based application)
- ☐ Ruler
- ☐ Glue stick, stapler, or tape

Suggested

- ☐ Many different coloured pens/markers/highlighters
- ☐ 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 education and will not be tolerated. Students involved in academic dishonesty will receive a zero, including any student supplying or allowing copying.

Plagiarism is taking someone else's work or ideas and passing them off as one's 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 class members, 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 participate throughout the lesson until class is dismissed.

Behaviour is monitored daily per the class rules set out at the beginning of the academic year (see the front of your notebooks). Students earn the scores they receive. At the end of the semester, the average is taken and used for the student's behaviour score (10%).

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. Students are expected to catch up on all missed work outside class time. Unexcused absences or tardiness will not be tolerated. In the case of planned absences, please notify the teacher immediately.

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 by the start of class, a maximum score of 15 will be possible. All late or missed assignments 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:

Quiz & Projects	20%
Home/class work	20%
Affective Domains (Behavior)	10% (program mandated)
STEM	10% (program mandated)
Midterm (Summative) Exam	20% (program mandated)
Final Exam	20% (program mandated)

Recommendations for Success

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

1. Read, read, read the course textbook. Reading the text once is often insufficient, even for native English speakers. You may need to read the material multiple times to understand. Students can responsibly manage the material and gain the most from the course by reading along at home with the lessons taught at school (typically only a few pages per night).
2. Search either Thai or English online if you don't understand a topic discussed in class or to understand the topic better.
3. Get a Thai language introductory mathematics book.
4. You can get a math and physics tutor if you wish to. The tutor should be helping you learn, not doing the work for you!
5. Do **not** copy your classmate's work; struggle through and do the work on your own! This is how you learn!
6. See the teacher outside of class time for assistance.
7. Do more than just the bare minimum; the textbook has many problems. 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.
8. Study the notes and vocabulary for at least a few minutes daily, such as in homeroom or any free time you might have in other classes.



MA30216 Universal Mathematics 4

Teacher Mr. Shiv Kumar

Contact Science Lab, 2nd floor Colombet Building
skkumarshiv100@gmail.com

Class Times M5/1: Monday Period-6, Thursday Period-2
M5/2: Tuesday Period-1, Thursday Period-6

Credits 1.5

Course Description

The purpose of this class is to prepare you for the SAT test. In this class, you will be given an SAT style quiz at the beginning of the week every two weeks. Our first quiz will be at the beginning of next week. We will spend class time in between these quizzes going over the answers and learning SAT material and problem solving techniques. We will also review Algebra 2 and lessons associated with the SATs. Each quiz you take will be graded. However, once we go over the answers in class, you can resubmit your corrected quiz and get a half point for each answer you corrected (you must show your work). For example, if you get a 50% on your quiz, you can change your grade to 75% by re-submitting your corrected quiz. You will also earn class participation by re-submitting your corrected quiz. The midterm test and final test will also be In SAT style format.

Textbook

Mathematics for the International Student SL (Haese Mathematics)
ISBN-978-1-921972-08-9

Course Outline & Objectives

The content we will be learning during this class is:

- Class notes and work sheets -Work on Complex numbers: Equality, Addition, Subtraction, Multiplication and Division Graphing and absolute values of complex numbers and Complex numbers in polar form Polynomial equations.
- Class notes and work sheets -Work on probability, Basic rules about counting, Permutation, Combination and Binomial theorem and Probability and some important rules of probability.
- Class notes and work sheets -Basic of graphing, Euler graphs and some applications of graph.

Resources

- | | |
|-----------|--|
| Required | <ul style="list-style-type: none">• A plastic folder for worksheets.• White School Notebook• Red and blue pen. |
| Suggested | <ul style="list-style-type: none">• Many different colored pens/markers/highlighters• 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. 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.

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 & Class work

Homework and class work 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 20% 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.
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.



HP30104 M5 Foundation Health Studies & Physical Education 4

Teacher Mr. Brian Mallon

Contact EP Staff Office, Level 2
bmal1332@gmail.com

Credits 0.5

Course Description

Students will learn to understand about the process for promoting and maintaining the efficiency of the function of digestive system, excretory system, respiratory system, and cardiovascular system, plan and recognize values of planning health care for family members, be aware of risky factors and situations to have sexual intercourse, including nightlife, matchmaking, and Internet relationships. Recognize proper problem-solving methods and skills when disappointed in love, realize proper sexual values including sexual behaviors appropriate to Thai society and culture, know how to avoid and protect oneself from risky situations to having an intentional pregnancy, recognize values of health promotion and disease prevention by following the guidelines for health promotion and disease prevention using Thai wisdom, realize and understand non-contagious diseases which are the important problems of the country and local districts, and protection and solutions for heart diseases, blood vessels, obesity, hepatic disease, realize the importance of health assessment and risky behaviors of oneself and family members. Use analytical process, explanation and demonstration, practice, and apply methods of risk reduction, health promotion, and reduction of risky behaviors of oneself and family members, propose methods for protecting consumer rights, and health products in the schools to create knowledge, understanding, and apply it to real-life situations along with having morality, ethics, honesty, disciplines, responsibility, being free from addictive substances and allurements, sense of personal responsibility to environment in one's own community including proposing methods for protecting and solving environmental problems in the community.

Study volleyball playing, creative movement, basic skills for playing volleyball, participation in recreational activities, physical capacity for different works, concept about different types of movement for playing volleyball, concept from scientific principles, movement when playing sports based on types and categories of sports, acceptance and realization of values of regular exercise and sport playing along with promoting healthy lifestyle, specify creative patterns for attack, defense, and cooperation in sport playing and competition, be responsible for one's duties and responsibilities during participating physical activities and team sports, rights, and rules, regulations, safety, and strategies during sport playing and competition with other people. Use skills and process of physical education which are providing collaboration when participating in physical activities and playing team sports according to specified structures, sportsmanship, spirit in competition, sport aesthetics in sport playing, watching, and competitions to create knowledge, understanding, and apply the knowledge to real-life situations along with having honesty, diligence, endeavor, disciplines, morality, ethics, attitudes towards physical education, public mind, love of being Thai, self-sufficiency, and proper values.



Textbook

No textbook required for this unit

Physical Education Indicators

1. Analyze the concept about different patterns of movement for playing sports.
2. Use personal ability to promote team capability and consider the effects on other people and society.
3. Play at least one type of Thai sports and international sports both individual and team sports.
4. Show movements creatively.
5. Joint recreational activities outside schools and use the principles and concepts to improve and develop quality of one's life and society.
6. Do exercise and play sports proper to a personal capacity regularly and use personal ability to increase team capacity, reduce ego, and consider effects on the society.
7. 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.
8. Express good manners of watching, playing, and competing sports with sportsmanship and use them in daily life continuously.
9. Join physical activities and play sports happily and admire the values and beauty of sports.

Physical Education Course Outline & Objectives

1. Exercises and Playing Sports / Physical Fitness Test / Games [Indicators – 1, 2, 4, 6, 7, 8, 9]

- Test of Physical Fitness
- Exercises, playing sports or games
- Test of Physical Fitness
- Exercises, playing sports or games
- Practice form and technique for MOE physical fitness testing.

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 volleyball skills
- Physical connection and movement in practicing basketball skills

4. General Knowledge about Playing Basketball and Futsal [Indicators – 1, 2, 4, 6, 7, 8, 9]

- Skills, Rules, Regulations, and physical benefits of playing.
- Analyze concepts related to movements and techniques.
- Passing, shooting, defense, etc.
- Good Sportsmanship



Health Indicators

1. Explain warning symptoms from disorders, and guidelines for correctly preventing diseases occurring in different systems in the body.
2. Analyze constant effects of diseases occurring in different systems in the body correctly.
3. Analyze causes of improper personal practices on health care of family members.
4. Realize the importance of personal practices to take care of family members' health to help them have good health.
5. Provide information about maintaining a good relationship with family, friends, and community.
6. Realize the importance of proper sexual expression and maintaining a good relationship with family, friends, and community.
7. Realize signification of values and sexual behavior proper to the culture.
8. Realize the importance of local wisdom using herbal plants to cook food.
9. Analyze product and service purchasing, terms and conditions of products and service, and realize the importance of the protection of consumer rights.
10. Summarize data about diseases that are crucial problems for Thai people and correct preventions and treatments.
11. Realize the importance of health promotion and disease prevention using Thai wisdom.

Health Course Outline & Objectives

1. Work Efficiency of System of Body Composition [Indicators – 1, 2, 3, 11]

- Digestive system
- Excretory system
- Respiratory system
- Cardiovascular system

2. Planning for Individual Health Care of Family Members [Indicators – 3, 4, 5, 6]

- Planning for health care of family members
- Guidelines for health care of a person and his/ her family members

3. Development of Living Skills & Characteristics Required in Teenagers [Indicators –6, 7]

- Living skills development and promotions of required characteristics in teenagers

4. Development and Promotion of Sexual Health [Indicators – 7, 10, 11]

- Self-protection from risky situations
- Sexual intercourse and unintentional pregnancy
- Proper problem-solving methods and skills
- When disappointed in love
- Proper values and sexual behaviors to cultures

5. Personal Care and Health Promotion for Disease Prevention [Indicators – 7, 8, 9, 10, 11]

- Significant contagious & non-contagious diseases of the country and their preventions
- Guidelines and self -practice for health promotion and disease prevention using Thai wisdoms



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). <p style="margin-left: 40px;">Pink resource booklet for note taking (Reminder that any handouts must be stapled or glued into the pink resource).</p> |
| Suggested | <ul style="list-style-type: none">• Fitness and sport activities at least 1-hour 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

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 as far in advance as possible. Students are expected to catch up on all the missed work.

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 Assessment

Health / Physical Education

Formative 1 & 2	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.



ST30203 Electricity and Magnetism

Teacher Mr. Glenn Thomas

Contact EP Teacher Room, 2nd Floor Colombet Bldg.

Class Time EP-M5/1: Mon, period 6; Tues, period 1;

Course Description

This course focuses on continuation of electricity studies from semester 1.

The course offers both a conceptual foundation and an algebra-based presentation of Physics. Critical thinking skills in solving problems will be the emphasis with a sound basic understanding of conventional Mathematics. The course will closely follow the order and content of the latest version of the American high school textbook, Holt *Physics*. The course is prerequisite to Sc30204 Physics.

Students are encouraged to read widely from different resources which include the Internet, various Physics (both British and American), books published for improving examination skills as well as from Thai Physics books. They can always approach the teacher for references should they require.

Textbook (as a base)

Physics student Book 1 and 2, Miles Hudson 2018

ISBN-13: 978-0-547-58669-4; ISBN-10: 0-547-58669-8

Miscellaneous references available from the teacher upon request.

Course Outline & Objectives

Unit 1 Magnetism

- Definitions of magnetism, magnetic fields and magnetic forces.
- Plotting magnetic fields of magnets and current carrying wires.
- Prediction of magnetic fields between various alignments of magnets.
- Permanent vs Induced magnetism

Unit 2 Electromagnetic effects

- Definitions and calculations related to magnetic flux, magnetic flux density and flux linkage
- Measuring strength of electromagnets to investigate the variables (current, coil turns, iron core)
- Exploration of the interaction between magnetic fields, electric current and electromotive force (right hand rule)
- Predictions of force direction on a motor
- Magnetic forces – forces on wires, forces on particles, and the mass spectrometer

Unit 3 Electromagnetic Induction

- Calculations using Faraday's and Lenz's laws.
- Step-up and step-down transformers
- Calculating induced e.m.f.s



Unit 4- Electrical Circuits

- Series vs Parallel circuit calculations
- Electrical circuit rules
- E.m.f. and internal resistance
- A.C vs D.C calculations and uses

Resources

- | | |
|-----------|---|
| Required | <ul style="list-style-type: none">• Notebooks• Scientific calculator (not a phone-based application)• Ruler |
| Suggested | <ul style="list-style-type: none">• Many different colored pens/markers/highlighters• Electronic Thai-English translator (not a phone-based application)• A Matayom-level physics practice book in Thai |

Academic Integrity Policy

Students are expected to following the guidelines laid down in the Assumption College Student Handbook in terms of academic pursuits and excellence. They are strongly and constantly reminded that it is of paramount importance to understand one topic intensively before being able to move on to the next one. However, all the topics are inter-related. Therefore, any forms of idleness of poor attitude in learning Physics will not be tolerated and remedial actions immediately instigated to rectify the situation. Students are always welcome to consult the teacher for guidance of whatever issues related to learning which may arise.

Behavioral Expectations

A good sense of behavioral awareness in the classroom will be strictly reinforced which is essential to the ultimate success of the learning process. Students are not allowed to do other subjects in the Physics class or play with electronic gadgets not related to what is being taught in the classroom. Infraction of behavioral rules will be handled accordingly.

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 will receive a zero.



Grading

Foundation Physics 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	30%
Quiz	20%
Behavior	10% (program mandated)
Midterm (Summative) Exam	20% (program mandated)
Final Exam	20% (program mandated)

Recommendations for Success

Physics can be a difficult course for many students. All students are should do the following:

1. Take good notes in the classroom. Go home and revise the notes; make sure every single part is clearly understood. For any doubts, queries, clarifications, the student should immediately note down and ask the teacher either in the classroom or individually in the teachers' room.
2. Students are encouraged to read widely-from various textbooks available in the market, from the school library and from the Internet. (e.g Youtube, google, etc.)
3. They should do the prescribed homework.
4. It is useful to organize small study group among the students.
5. Students can consult me individually for techniques in getting high or full scores in external Physics tests like CU-ATS and SAT Subject Tet.
6. Ability for find the time to read Thai Physics (e.g. from the library) would be an additional asset.



ST30233 Universal Chemistry 3

Teacher Mrs. Anumol Sunny
Contact EP Teacher Room, 2- Floor Colombet Bldg
Class EP-M 5/1 (Monday, Wednesday & Thursday)
Credits 1.5

Course Description

Although this course is technically called Universal Chemistry 3, in reality it is the fourth installment within the comprehensive Chemistry program offered here at Assumption College English Program. At this point in the student's progression within the discipline, course material will gradually advance into more concrete, fundamental areas of Chemistry. Within this semester, some elements of inorganic chemistry and organic chemistry are introduced.

Demonstrations, computer-simulated activities and laboratory sessions will allow students to learn basic laboratory techniques, lab safety and get a hands-on experience of the theories and concepts learned in the lectures. As with many courses within the English Program, critical thinking skills are emphasized over those of rote learning and BMAT-style questions are a part of the evaluation process. The course is prerequisite to ST30234 Universal Chemistry 4.

Textbook

- International A Level Chemistry, Oxford International AQA Examinations.
By Ted Lister & Janet Renshaw

Supplementary:

- BMAT Past Paper Worked Solutions (2003-2017) 2018 by Black Stone Tutors

Course Outline & Objectives

Chapter 9 Group 2 Alkaline Earth Metals

- Physical properties of Group 2 elements
- Chemical Properties of Group 2 elements
- Chemical reactions involved with Group 2 elements

Chapter 10 Group 7 The Halogens 10

- The halogens
- The chemical reactions of the halogens
- Reactions of halide ions
- Uses of Chlorine

Chapter 22 Periodicity

- Reactions of period 3 elements
- The oxides of period 3 elements
- The acidic /basic nature of period 3 elements
- The chlorides of period 3 elements



Chapter 5 Kinetics

- Collision Theory
- The Maxwell -Boltzmann distribution
- Catalysts

Chapter 11: Introduction to Organic Chemistry

- Carbon Compounds
- Nomenclature: Naming of Organic Compounds
- Isomerism

Chapter 12: Alkanes

- Alkanes
- Fractional Distillation of Crude Oil
- Industrial Cracking
- Combustion of Alkanes
- The formation of Halogenoalkanes

Chapter 13: Halogenoalkanes

- Halogenoalkanes: Introduction
- Nucleophilic Substitution Reaction
- Elimination reaction of Halogenoalkanes

Chapter 14: Alkenes

- Alkenes
- Reactions of Alkenes
- Addition Polymers
- Epoxyethane

Chapter 15: Alcohols

- Alcohols: Introduction
- The reactions of Alcohols

Resources

Required	<ul style="list-style-type: none">• Assumption Notebook (2)• Binder/ folder• Scientific calculator (not a phone-based application)• Ruler
Suggested	<ul style="list-style-type: none">• Many different colored pens/markers/highlighters• Electronic Thai-English translator (not a phone-based application)• A Matayom-level chemistry practice book in Thai

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.

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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 (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.

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

Foundation Chemistry 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/Labs	20%
Assignments	30%
Behavior	10% (program mandated)
Midterm Exam	20% (program mandated)
Final Exam	20% (program mandated)

Recommendations for Success

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

1. Read, read, read the Chemistry 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 chemistry book.
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. 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.



ST30248	Plant Physiology
Teacher	Mr. Nicholas Crook
Contact	EP Teacher Room, 2 nd Floor Colombet Bldg.
Email	epacnic@gmail.com
Class Time	EP-M 5/1 (H): Mon, period 1; Tues, period 3; Wed, period 3
Credits	1.5

Course Description

Students will study the following topics: - Types and characteristics of plant tissue; the internal structure of monocotyledonous roots (monocot) and dicotyledon (dicot) roots; the internal structure of the monocot stem and of the dicot stem; the internal structure of leaf blade from a cross section. - Gas exchange and transpiration in plants; the mechanism of the conduction of water and nutrients in plants; the importance of nutrients; examples of important nutrients that affect growth of plants; the mechanism of transport of nutrients in plants. - The experiments about the photosynthesis conducted by scientists in the past; the steps in the photosynthesis process of C₃ plants; the mechanism of the carbon dioxide fixation occurred in C₃, C₄ and CAM plants; the factors relative to light intensity, carbon dioxide intensity and temperature that affect the photosynthesis of plants. - The life cycle with alternation of generations of the flowering plants; the production process of male and female reproductive cells in the flowering plants and their fertilization. - The formation of seeds and fruit in flowering plants; structure of seed and fruit; examples of uses of different structures of seed and fruit; various factors affecting the sprouting of seed and seed dormancy and methods used to overcome the seed dormancy. - Roles and functions of auxin, cytokinin, gibberellin, ethylene and abscisic acid; application of this knowledge for agricultural use; the external stimuli that affect growth in plants. - The innate behavior and the learned behavior of animals; the relationship between behavior and the evolution of nervous system; the communication between animals that cause their behaviors.

Textbook

International A Level Biology, by Oxford (ISBN-13: 978-0-328-92512-4)

Course Outline & Objectives

: What is a Plant?

22.1 The Plant [Indicators 1-3]

- Describe plants.
- Explain the characteristics of a plant.
- Research different types of plant.

22.2 The Seedless Plants [Indicators 4-6]

- Describe the structure & function of the seedless plants.
- Explain how seedless plants reproduce.
- Describe the different types of seedless plant.

22.3 The Seed Plants [Indicators 7-9, 38]

- Describe the structure & function of the seed plants.
- Describe the different types of seed plants.



Chapter 16: The Structure & Function of Flowering Plants.

Plant Tissues [Indicators 13-14, 40]

- State the functions and identify the structures of plant tissues.
- Lab to study and classify plant tissues.

Plant Roots [Indicators 13-14, 40]

- State the functions and identify the structures of plant roots.
- Lab to study the structure & function of plant roots.

Plant Stem [Indicators 13-14, 40]

- State the functions and identify the structures of plant stems.
- Lab to study the structure & function of plant stems.

Plant Leaves [Indicators 13-14, 40]

- State the functions and identify the structures of plant leaves.
- Lab to study the structure & function of plant leaves.

Transport of Nutrients in Plants [Indicators 13-14, 40]

- Describe transpiration, translocation, and nutrients in plants.
- Explain how water & nutrients are transported in plants.

End of Midterm Exam Content – Start of Final Exam Content

Chapter 19: Plant Photosynthesis

8.2 Photosynthesis [Indicators 15-19]

- Research photosynthesis.
- Describe the photosynthetic process.
- Explain light reaction & carbon fixation.
- Lab on photosynthesis and factors affecting plant photosynthetic rates.
- Explain photorespiration.
- Describe the mechanism of the increase in carbon in C4 plants.

: Reproduction in Flowering Plants

Reproduction [Indicator 29]

- Research life cycle with alternation of generations.
- Describe the structure of flowers.
- Describe the different types of flower.
- Lab on the structure of flowers.
- Explain gametogenesis in flowering plants.
- Describe sexual reproduction of flowering plants.

Fruits & Seeds [Indicators 33-35]

- Describe the formation of fruits and seeds.
- Describe the structure of fruits and seeds.
- Describe the different types of fruit.
- Lab on the structure of fruit.
- Explain how seeds sprout and factors affecting sprouting of seeds.

Chapter 26: Control of Plant Growth & Response [Indicators 36-37]

- Investigate the chemicals that control the growth of plants.
- Explain how plants respond to their environment.
- Discuss factors affecting the growth of plants.



- Lab to study influences of plant hormones & stimuli on plants.

Resources

Required ☐ Textbook: *International A Level Biology*, by Oxford
☐ Plastic Folder for Biology only (to keep handouts, etc.)

Suggested ☐ Many different colored pens/markers/highlighters
☐ Electronic Thai-English translator (not a phone-based application)

- ☐ Ruler
- ☐ Glue stick, stapler, or tape

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 (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
- 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 ontime, 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:

$Final\ Score \geq 80\%$	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:

Homework/Classwork	30%
Quizzes	20%
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 *International A Level Biology*, by Oxford 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.



ST30288 Biology Laboratory

Teacher Ms. Darlene Howe

Contact EP Teacher Room, 2nd Floor Colombet Bldg.

Credits 0.5

Course Description

Studying, searching for information and performing experiment for the study of fundamental biology about equipment and tools used in the fundamental biology studies, osmosis, transportation of substance through cell membrane, active transport type, plant respiration and photosynthesis, cellular respiration in yeast, calculation of vapor pressure and latent heat of vaporization, cell division, behaviors of insects, techniques for preparing culture media, simple streak, and basic gram staining.

Learning Contents

Students are expected to use the scientific skills, critical thinking and problem solving skills, creative and innovative thinking skills, as well as collaborative, teamwork and leadership skills. This is for students to gain knowledge and understanding, to possess the scientific skills and to be able to apply knowledge in solving problems and obstacles by creating their own innovation. In addition, students will gain competencies in thinking, communicating, and using technology efficiently. Students will also learn to avoid performing any behaviors that will lead to negative interpersonal relationships. The course is additionally aimed for students to demonstrate the following characteristics: having self-discipline, having avidity for learning, having value for self-sufficiency principle, being dedicated for work, being honest, and having social responsibility.

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

Course Outline & Objectives

Unit 1 Tools and equipment used in the fundamental biology studies

- 1.1 Safety practices in the laboratory
- 1.2 Equipment used in general biology laboratory
- 1.3 Light microscope

Unit 2 Osmosis and transportation of substance across plasma membrane, active transport

- 2.1 Study the osmosis of water across cell membrane
- 2.2 Study the transportation of substance across cell membrane-active transport type



Unit 3 Transpiration and photosynthesis in plants

- 3.1 Measure transpiration rates by using simple apparatus
- 3.2 Study factors that influence transpiration and photosynthesis in plants

Unit 4 Cellular respiration in yeast

- 4.1 Study effects of nutrients on cellular respiration in yeast
- 4.2 Study effects of chemicals on cellular respiration in yeast

End of Midterm Exam Content – Start of Final Exam Content

Unit 5 Qualitative data analysis techniques

- 5.1 Find vapor pressure in the range of 50-80 °C
- 5.2 Find the latent heat of vaporization in the range of 50-80 °C

Unit 6 Cell division

- 6.1 Prepare sample slides to study cell division, mitosis and meiosis under the light microscope.

Unit 7 Insect behavior

- 7.1 Study insect behavior in different physical environments

Unit 8 Techniques in fundamental microbiology

- 8.1 Prepare culture media and simple streaking
- 8.2 Basic steps of the Gram stain

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
- 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.

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

Biological Laboratories follows 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.



OC30106 Occupational Works 3

Teacher	Dr. Hermann Gruenwald		
Contact	EP Teacher Room, 2 nd Floor Colombet Building DrHermann365@gmail.com		
Website	Google Classroom		
Class Time	EP-M 5/1: Fridays	P6	
	EP-M 5/2: Mondays	P1	
Credits	0.5		

Course Description

Students will study about the principles on how to operate the information services organizations; important components of the information services organizations; operations of organization; policy making and planning, human resource management, document management; budgeting and finance; buildings and sites; standards and quality assurance; evaluation and report; partnership with industry. Students will learn through the analytic thinking process, problem solving process, practices, group work, and attitude building process. Students are expected to subsequently develop the ability to communicate, to think, and to solve problems. Life skills and the use of technology are also to be enhanced. Students will additionally be developed learning skills and skills to create innovation -- think creatively, demonstrate innovation, use critical thinking, solve problems wisely, communicate effectively, and be willing to work with others. Information-related skills will also be included in this course. Students are expected to learn about technological media, to keep themselves updated with news and information, to have good judgment on media, to be a well-rounded individual in the field of information technology and to communicate wisely. Another skill that will be fostered is life and career skills which cover flexibility, adaptability, creativity, self-responsibility and social skills. As for the students' desired characteristics, the course will focus on honesty, discipline, avidity for learning, dedication for work and public-mindedness.

Learning Outcome:

1. Apply concepts and principles to effectively manage an organization or the information services organization.
2. Explain the principles of operations, policy making, and planning for running organizations or the information services organizations.
3. Present how to work and put them into practice in the area of document management, finance, office supplies, building and maintenance.
4. Know the principles of quality assurance and evaluate the organizations or information services organizations with morality and ethics.

Course Outline & Objectives

Business Management (*Indicators 1, 2, 3, 4, 6, 8, 10, 11*)

- Learn basic principles for business management.
- Discuss and apply management techniques.

Unit 1: Management of the information services organizations

1. General administration



- 2. Information services organization management*
- 3. Definition/Components of administration*
- 4. Types and characteristics of the administrator*
- 5. Role and responsibilities of the administrator*
- 6. Qualifications of the administrator*

Unit 2: Management principles and theories for the information services organization

- 1. Good characteristics of the information services organization*
- 2. Administration theories for the information services organizations*
- 3. Principles of personnel management*
- 4. Writing a project*
- 5. Organizations and management*
- 6. Organizational structure of the information services organization*

Unit 3: Policy, budget plan, and finance

- 1. Policy and planning*
- 2. Budget and finance*
- 3. Types of budget*
- 4. Budget administration policy and standards*
- 5. Budget spending of the information services organization*

Unit 4: Personnel management

- 1. Principles of personnel management*
- 2. Personnel in the information services organization*
- 3. Selection of personnel for information services work*
- 4. Personnel development*

Unit 5: Management of supplies and equipment

- 1. Meaning and importance of supply*
- 2. Cycle of supply administration*
- 3. Principle for managing and specifying needs for supplies and equipment*
- 4. Maintenance of supplies and equipment*

Unit 6: General administrative work and document control in the information services organization

- 1. Meaning and importance of the document control work*
- 2. Types, kinds, and forms of documents*
- 3. Drafting and typing the documents or letters*
- 4. Storage and destruction of documents*



Unit 7: Building and site administration

1. *Meaning, objectives and importance of buildings and sites*
2. *Location and management of buildings and sites*
3. *Place decoration*

Unit 8: Statistics, reports and public relations

1. *Meaning and the importance of statistics and reports*
2. *Preparing statistics and reports*
3. *Meaning and the importance of public relations*
4. *Media and public relations*
5. *Qualifications and codes of ethics of public relations professionals*

Unit 9: Quality assurance for the information services institute

1. *Meaning, objectives and benefits*
2. *Quality assurance system selected*
3. *Components of the system*
4. *Implementation of the quality assurance system*

Unit 10: Evaluation and development of the information services organization

1. *Meaning, importance and objectives of evaluation*
2. *Steps and methods of evaluation*
3. *Problems and solutions*
4. *Developing the information services organization*

Resources

Required	<ul style="list-style-type: none">• A pink A.C. notebook (minimum A4 size)• Basic stationary (pen, pencil, eraser, ruler, sharpener etc.)• Extra stationary (glue stick, stapler, tape, liquid paper etc.)• AC Portfolio A4 with clear front cover
Suggested	<ul style="list-style-type: none">• Various colored pens / markers / highlighters / pencils
Occasional	<ul style="list-style-type: none">• Smart phones for research in class• USB thumb drives to save typed work onto• Materials potentially needed for special projects <p><i>The above will be requested a week in advance of use</i></p>

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 (sketch book, basic stationary, materials, ingredients etc.) and to actively participate throughout the lesson until class is dismissed.

Behavior and participation is monitored during every class and points are deducted for misbehavior, non-participation or disruption to the class. This is averaged throughout the semester and calculated as a score of 10 at the end of semester.

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

- Possess discipline
- Be an AC gentleman
- Be honest and upright
- Be eager to learn
- Be dedicated to work
- Have a sense of public-consciousness

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 check Google Classroom for the content of the lectures and the in-class assignments and homework and project assignments.

Homework & Class Work

Homework and class work will be assigned often, must be completed to a high standard and be submitted on or before the due date. Late assignments are subject to 50% less marks for each week they are late. All missed assignments will receive a zero and will dramatically reduce the averaged class work and homework scores of the individual.

Grading

This course follows to the Assumption College grading scale:

$Final\ Score \geq 80\%$	4.0	A
$75\% \leq Final\ Score < 80\%$	3.5	B+
$70\% \leq Final\ Score < 75\%$	3.0	B
$65\% \leq Final\ Score < 70\%$	2.5	C+
$60\% \leq Final\ Score < 65\%$	2.0	C
$55\% \leq Final\ Score < 60\%$	1.5	D+
$50\% \leq Final\ Score < 55\%$	1.0	D
$Final\ Score < 50\%$	0.0	F



Evaluation and Assessment

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

Behavior & Participation	10%	Affective Domain
Class Work	10%	Formative
Home Work	10%	Formative
Presentation	10%	Formative
Portfolio	10%	Formative
Team Work	10%	Formative
		50% Formative
Midterm Exam	20 %	Exams
Final Exam	20%	Exams

Recommendations for Success

1. Bring all the materials that are needed to complete projects on the day of class
2. Be creative and work hard for your own success and learning.
3. Don't be afraid to experiment and have fun studying
4. Plan projects carefully and have the required materials for your project
5. Keep your notebook tidy, attractive and up-to-date and submit work on time
6. Check schoology.com for assignments and course materials and grades



ST30107 Technology for Data Presentation

Teacher Mr. Dave

Contact EP Teacher Room, 2nd Floor Colombet Bldg.

Credits 0.5

Course Description

Students will study the following topics: use of information technology to present work appropriately based on the objectives of work, analyzing changes of information technology, selecting appropriate software for presentation. Students will also learn to search for information on the internet and to be able to give references sources.

In this course, students will apply the knowledge and understanding development process, engineering design process, and skill practicing process.

Subsequently, students are expected to develop the 21st century learning skills: learning and innovation skill (think creatively, interested in innovation, have problem solving skill, and communicate effectively), information, media and technology skill (stay up-to-date with the news, have media literacy, and have information technology knowledge and skills), and life and careers skill (stay flexible, be initiative, have responsibility, be enthusiastic to learn across different areas of knowledge and have leadership skills).

The following set of characteristics will additionally be enhanced in students: honesty and integrity, self-discipline, avidity for learning and commitment to work.

Course Outline & Objectives

ST 4.2 S.6/1

1. Knowledge about technology for presentation

- 1.1 Objectives of the presentation
- 1.2 Basic principles for presenting work

2. Principles for selecting ready-made presentation software

- 2.1 Readymade presentation software
- 2.2 Data presentation formats with the use of computer

3. Digital tools to enhance presentations

- 1. Digital camera
- 2. Slide projector
- 3. Printer-3D printer

Resources

- Required
- EP Computer Lab
 -

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. 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:

$Final\ Score \geq 80\%$	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:

Homework/Classwork	10%
Quiz	20%
Coursework	20%
Behavior	10% (program mandated)
Midterm (Summative) Exam	20% (program mandated)
Final Exam	20% (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 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. 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 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.
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.



OC30223 Financial & Accounting

Teacher Dr. Hermann Gruenwald

Contact EP Teacher Room, 2nd Floor Colombet Building
DrHermann365@gmail.com

Website <https://app.schoology.com/course/6363305015/materials>

Class Time EP-M5/2 B : Mondays P5 & P6

Credits 0.5

Learning Content Description

Students will study the following topics: meaning, objectives and benefits of accounting; accounting concept; definition of asset, debt and owner's equity in accounting framework; accounting equation; transaction analysis; recording accounting transactions following the Generally Accepted Accounting Principles for a sole proprietorship in general journal and two column cash book; posting; trial balance; the six-column worksheet; the financial statement; adjusting entries; closing the book; and summary of the accounting cycle. In learning, students will use a range of process skills: critical thinking, problem-solving, practicing, group work, and attitude building. Students will be able to communicate, solve the problems, use life skills, and use technology. Additionally, they will learn to be an innovative thinker and have opportunities to practice learning skills. They will be creative, initiative, collaborative, think critically, solve problems systematically, and communicate effectively. The course will also develop information literacy skills, media literacy skills, and technological skills. Life and career skills are also embedded in this course. Students will learn to be resilient, build adaptability, have self-responsibility, and gain social skills. Finally, as part of the desirable characteristics, the course will develop honesty, discipline, avidity for learning, dedication and commitment to work, and public-mindedness.

Learning Outcomes

1. *Understand the principles, methods, and steps to work on accounting for a sole proprietorship, service business.*
2. *Have skills for basic accounting based on Generally Accepted Accounting Principles (GAAP) for a sole proprietorship, service business.*
3. *Have the desirable characteristics of an accountant: attention to detail, honesty, discipline on time management and good attitude towards the accounting profession.*

Resources

- | | |
|------------|--|
| Required | <ul style="list-style-type: none">• A pink A.C. notebook (minimum A4 size)• Basic stationary (pen, pencil, eraser, ruler, sharpener etc)• Extra stationary (glue stick, stapler, tape, liquid paper etc.)• AC Portfolio A4 with clear front cover |
| Suggested | <ul style="list-style-type: none">• Various colored pens / markers / highlighters / pencils |
| Occasional | <ul style="list-style-type: none">• Smart phones for research in class• USB thumb drives to save typed work onto• Materials potentially needed for special projects |



The above will be requested a week in advance of use

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 (sketch book, basic stationary, materials, ingredients etc.) and to actively participate throughout the lesson until class is dismissed.

Behavior and participation is monitored during every class and points are deducted for misbehavior, non-participation or disruption to the class. This is averaged throughout the semester and calculated as a score of 10 at the end of semester.

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

- Possess discipline
- Be eager to learn
- Be an AC gentleman
- Be dedicated to work
- Be honest and upright
- Have a sense of public-consciousness

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 check Google Classroom for the content of the lectures the in-class assignments and homework and project assignments.

Homework & Class Work

Homework and class work will be assigned often, must be completed to a high standard and be submitted on or before the due date. Late assignments are subject to 50% less marks for each week they are late. All missed assignments will receive a zero and will dramatically reduce the averaged class work and homework scores of the individual.



Grading

This course follows to the Assumption College grading scale:

$Final\ Score \geq 80\%$	4.0	A
$75\% \leq Final\ Score < 80\%$	3.5	B+
$70\% \leq Final\ Score < 75\%$	3.0	B
$65\% \leq Final\ Score < 70\%$	2.5	C+
$60\% \leq Final\ Score < 65\%$	2.0	C
$55\% \leq Final\ Score < 60\%$	1.5	D+
$50\% \leq Final\ Score < 55\%$	1.0	D
$Final\ Score < 50\%$	0.0	F

Evaluation and Assessment

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

Behavior & Participation	10%	Affective Domain
Class Work	10%	Formative
Home Work	10%	Formative
Presentation	10%	Formative
Portfolio	10%	Formative
Team Work	10%	Formative
		50% Formative
Midterm Exam	20 %	Exams
Final Exam	20%	Exams

Recommendations for Success

1. Bring all the materials that are needed to complete projects on the day of class
2. Be creative and work hard for your own success and learning.
3. Don't be afraid to experiment and have fun studying
4. Plan projects carefully and have the required materials for your project
5. Keep your notebook tidy, attractive and up-to-date and submit work on time
6. Check schoology.com for assignments and course materials and grades



OC30228 Financial & Investment Planning

Teacher Dr. Hermann Gruenwald

Contact EP Teacher Room, 2nd Floor Colombet Building
DrHermann365@gmail.com

Website <https://app.schoology.com/course/6363309209/materials>

Class Time EP-M5/2 B : Tuesdays P5 & P6

Credits 0.5

Learning Content Description

Learners study and practice on the following topics: the fundamental principles for investment; differences between saving, investing, and speculating; characteristics of sources of information and sources of information for investment analysis; calculation for risks and the expected return from an investment; other alternatives for management; effective decision making on financial matters both for personal matters and investment. Learners also study the meaning and importance of investment planning; steps to plan an investment; returns from investment and risks; diversification and choosing assets; analysis of investment in securities; types of securities, risk measurement; calculating returns; Modern Portfolio Theory; stock market efficiency; capital asset pricing; factors affecting the decision making on investing; using diversification to reduce risks. When studying, learners will use the following skills: the analytical thinking process, problem solving process, practice process, groupwork process, and aptitude development process. Learners will subsequently be able to communicate, think, solve the problems, use life skills, and apply technology. Additionally, they will learn to be an innovative thinker and have opportunities to practice learning skills. They will be creative, initiative, collaborative, think critically, solve problems systematically, and communicate effectively. The course will also develop information literacy skills, media literacy skills, and technological skills. Life and career skills are also embedded in this course. Students will learn to be resilient, build adaptability, have self-responsibility, and gain social skills. Finally, as part of the desirable characteristics, the course is aimed to develop honesty, discipline, avidity for learning, dedication and commitment to work, and public-mindedness

Learning Outcomes

1. *Learners acquire knowledge and understanding of the fundamental principles of investment.*
2. *Learners have the knowledge to calculate risks and the expected return from an investment as well as decisions about financial matters effectively.*
3. *Learners have knowledge and guidelines for different types of investments.*

Resources

- | | |
|----------|--|
| Required | <ul style="list-style-type: none">• A pink A.C. notebook (minimum A4 size)• Basic stationary (pen, pencil, eraser, ruler, sharpener etc)• Extra stationary (glue stick, stapler, tape, liquid paper etc.)• AC Portfolio A4 with clear front cover |
|----------|--|



- | | |
|------------|--|
| Suggested | • Various colored pens / markers / highlighters / pencils |
| Occasional | • Smart phones for research in class
• USB thumb drives to save typed work onto
• Materials potentially needed for special projects
<i>The above will be requested a week in advance of use</i> |

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 (sketch book, basic stationary, materials, ingredients etc.) and to actively participate throughout the lesson until class is dismissed.

Behavior and participation is monitored during every class and points are deducted for misbehavior, non-participation or disruption to the class. This is averaged throughout the semester and calculated as a score of 10 at the end of semester.

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

- | | |
|-------------------------|--|
| • Possess discipline | • Be eager to learn |
| • Be an AC gentleman | • Be dedicated to work |
| • Be honest and upright | • Have a sense of public-consciousness |

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 check Google Classroom for the content of the lectures and the in-class assignments and homework and project assignments.

Homework & Class Work

Homework and class work will be assigned often, must be completed to a high standard and be submitted on or before the due date. Late assignments are subject to 50% less marks for each



week they are late. All missed assignments will receive a zero and will dramatically reduce the averaged class work and homework scores of the individual.

Grading

This course follows to the Assumption College grading scale:

$Final\ Score \geq 80\%$	4.0	A
$75\% \leq Final\ Score < 80\%$	3.5	B+
$70\% \leq Final\ Score < 75\%$	3.0	B
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$60\% \leq Final\ Score < 65\%$	2.0	C
$55\% \leq Final\ Score < 60\%$	1.5	D+
$50\% \leq Final\ Score < 55\%$	1.0	D
$Final\ Score < 50\%$	0.0	F

Evaluation and Assessment

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

Behavior & Participation	10%	Affective Domain
Class Work	10%	Formative
Home Work	10%	Formative
Presentation	10%	Formative
Portfolio	10%	Formative
Team Work	10%	Formative
		50% Formative
Midterm Exam	20 %	Exams
Final Exam	20%	Exams

Recommendations for Success

1. Bring all the materials that are needed to complete projects on the day of class
2. Be creative and work hard for your own success and learning.
3. Don't be afraid to experiment and have fun studying
4. Plan projects carefully and have the required materials for your project
5. Keep your notebook tidy, attractive and up-to-date and submit work on time
6. Check schoology.com for assignments and course materials and grades



Semester Two: [2023] STUDENT SYLLABUS FOR FOUNDATION ENGLISH

EP (5)-1-2 Subject Code: EN30104 **Teacher:** Mr. Steven Raine

COURSE DESCRIPTION:

SAT Reading Preparation

The SAT Reading Preparation course is designed to help students develop the critical reading skills necessary to excel in the Reading section of the SAT exam. This course will cover various reading strategies, text analysis, vocabulary building, and time management techniques to boost your performance in this critical component of the SAT.

Course Goals and Learning Objectives: By the end of this course, students will be able to:

1. Develop effective reading strategies for different types of passages.
2. Analyze and interpret various types of text, including fiction, non-fiction, and informational graphics.
3. Expand and improve their vocabulary through word analysis and context clues.
4. Identify and use time management techniques to complete the SAT Reading section within the allocated time.
5. Enhance their comprehension and retention skills to answer questions accurately.

Introduction to the SAT Reading Section

- Overview of the SAT exam and Reading section
- Understanding question types
- Setting goals and assessing current reading skills

Reading Strategies

- Active reading techniques
- Passage mapping and annotation
- Identifying main ideas and supporting details

Vocabulary Building

- Word analysis and context clues
- Strategies for learning and retaining new words
- Vocabulary in context

Fiction Passages

- Analyzing narrative structures
- Character development and literary devices
- Practicing fiction passage questions

Non-Fiction Passages



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- Recognizing persuasive techniques
- Identifying the author's argument and purpose
- Analyzing informational graphics

Historical and Scientific Passages

- Understanding technical language and jargon
- Summarizing complex information
- Analyzing primary source documents

Time Management

- Strategies for pacing and focus
- Simulated timed practice tests
- Review and reflection

Review and Practice

- Comprehensive review of reading strategies
- Practice with full-length SAT Reading sections
- Identifying strengths and weaknesses

Test-Taking Strategies

- Tips for guessing effectively
- Strategies for tackling challenging questions
- Test anxiety management

Final Practice and Assessment

- Final practice test
- Individual feedback and assessment
- Setting personalized study plans for continued improvement

Course Materials:

- Official SAT Study Guide
- Supplemental reading materials (provided by the instructor)
- Notebooks, highlighters, and pens
- Access to SAT practice tests and online resources

Grading and Assessment: Assessment will be based on assignments, quizzes, participation, and practice tests. Grading will follow a point-based system with specific rubrics for each assignment.



COURSE DESCRIPTION:

IELTS Academic Reading Course

The IELTS Academic Reading course is designed to help students enhance their reading skills and strategies necessary to succeed in the Academic Reading section of the IELTS exam. This course will cover various types of texts and question formats, effective reading strategies, and time management techniques to maximize your performance in this key component of the IELTS.

Course Goals and Learning Objectives: By the end of this course, students will be able to:

1. Understand the format and question types in the IELTS Academic Reading section.
2. Develop effective reading strategies for various text types.
3. Enhance vocabulary and comprehension skills.
4. Practice time management to complete the IELTS Reading section within the allocated time.
5. Successfully approach different reading tasks, such as skimming, scanning, and in-depth analysis.

Introduction to IELTS Academic Reading

- Overview of the IELTS exam and Academic Reading section
- Understanding different question types
- Assessment of students' current reading skills

Reading Strategies

- Overview of effective reading strategies
- Skimming, scanning, and detailed reading techniques
- Note-taking and annotation

Vocabulary Building

- Word analysis and context clues
- Strategies for improving vocabulary
- Vocabulary in context

Multiple-Choice Questions

- Recognizing question patterns
- Strategies for answering multiple-choice questions
- Practice with sample questions

True/False/Not Given and Yes/No/Not Given Questions

- Understanding the nuances of these question types
- Differentiating between fact and opinion
- Practice with sample questions



Matching Headings, Summary Completion, and Sentence Completion

- Approaches to matching headings to paragraphs
- Strategies for completing summaries and sentences
- Practice with sample questions

Time Management

- Techniques for pacing and focus
- Simulated timed practice tests
- Review and reflection

Review and Final Practice

- Comprehensive review of reading strategies
- Final practice test
- Individual feedback and assessment

Course Materials:

- IELTS Official Cambridge Guide (or similar IELTS preparation book)
- Supplemental reading materials (provided by the instructor)
- Notebooks, highlighters, and pens
- Access to IELTS practice tests and online resources

Grading and Assessment: Assessment will be based on weekly assignments, quizzes, participation, and practice tests. Grading will follow a point-based system with specific rubrics for each assignment.

LEARNING MATERIALS

Textbooks and Test past questions, News, announcements, fictions, non-fictions, media, diagrams, graphs, personal experience, topical events, stories, manners and culture, traditions, festivals, language structures, idioms, life skills, native speakers,

LANGUAGE SKILLS,

Conceptualization, analysis, communication problem-solving, critical thinking & technology.

DESIRED CHARACTERS – 1) Love for the country and the king, faith in the religion 2) Be honest and upright 3) Possess discipline 4) Eager to learn 5) Be self-sufficient 6) Dedicated to work 7) Love for Thainess 8) Have a sense of public consciousness and 9) Be an AC gentleman.



RESOURCES:

Textbooks, Handouts, exam papers, worksheets, student notebooks, presentations, information technology

-
- | | |
|-----------|--|
| Required | <ul style="list-style-type: none">• Notebooks.• Dictionary |
| 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.. 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% 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:

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

* This total score shall be reflected by the cumulative points scored by students on all class assignments, homework, extra credit work, etc.

Assessment determination:

This syllabus is based on the important skills that students will need to successful pass the IELTS test at level 6 . The assessment will be based on students understanding of what is expected in the different modules of the test (Listening, Reading, Writing & Speaking).

Recommendations for Success

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

1. Be on task during class. Focus and follow instructions and do the required activities to your best abilities. Do not worry about making mistakes as they are the best way for us to incorporate the materials into our long-term memories.
2. Search online (in English) if you don't understand a topic discussed in class to get a better understanding of the topic.



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3. Do not copy your classmate's 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. Revise your work, as recommended by your teacher and work to continuously improve your work. Learning is a process, not a product.
6. 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.



Semester two: STUDENT SYLLABUS FOR ACADEMIC ACHEIVEMENT

EP5-2 Subject Code: EN30210

Teacher: Mr. Steven Raine

COURSE DESCRIPTION:

Throughout the course, students will be encouraged to:

- 1. Answer ALL parts of the question.**
 - 2. Not use big words you don't know how to use.**
 - 3. Communicate in English like an English adult, not an English child**
 - 4. In speaking, it's not about accent but good pronunciation**
- Good fluency: *Never having to search for a word.*
 - Good accuracy: *The student's use of tenses and especially the present continuous*
 - Good vocabulary: *Natural, normal with idiomatic phrases.*
 - Good relevance: giving examples and reasons

Business Vocabulary

Course Description: The Business Vocabulary course is designed to introduce students to essential business terms and concepts. This course will provide a foundational understanding of the business world, including key terminology, concepts, and principles. It aims to prepare students for future business studies and improve their business communication skills.

Course Goals and Learning Objectives: By the end of this course, students will be able to:

1. Understand fundamental business concepts.
2. Build a strong business vocabulary.
3. Identify and explain key business terms and concepts.
4. Use business language effectively in written and verbal communication.
5. Apply business knowledge to real-world scenarios.

Introduction to Business

- Defining key business concepts

Types of Businesses

- Identifying and explaining different business structures
- The advantages and disadvantages of each type

Entrepreneurship

- What is an entrepreneur?
- The process of starting and running a business
- Key entrepreneurial skills and characteristics



Marketing and Sales

- Introduction to marketing and sales concepts
- Key marketing terms (e.g., target market, branding, advertising)

Finance and Budgeting

- Exploring financial concepts (e.g., revenue, expenses, profit)

Business Ethics and Social Responsibility

- Defining ethics in business
- Exploring ethical dilemmas and decision-making
- The concept of corporate social responsibility (CSR)

Supply Chain and Operations

- Understanding the supply chain
- Key terms related to production and operations (e.g., logistics, inventory)

Human Resources

- Key HR terms (e.g., recruitment, training, diversity)

International Business

- Globalization and its impact on business
- Key terms in international business (e.g., import, export, trade balance)

Business Communication

- Practicing business communication skills

Course Materials:

- Supplementary readings and articles on business topics
- Notebooks, pens, and access to online resources

Grading and Assessment: Assessment will be based on quizzes, assignments, class participation.

IELTS Speaking Preparation Course

Course Description: The IELTS Speaking Preparation course is designed to help students develop the necessary skills to excel in the Speaking section of the IELTS exam. This course will cover various aspects of the speaking test, including note-taking, idiomatic language, phrasal verbs, comparatives, and grammar, to enhance your performance and language proficiency.



Course Goals and Learning Objectives: By the end of this course, students will be able to:

1. Understand the format and assessment criteria of the IELTS Speaking test.
2. Develop effective note-taking strategies.
3. Improve fluency and accuracy through idiomatic language and phrasal verbs.
4. Express comparisons and contrasts using comparatives.
5. Apply grammatical structures effectively in spoken responses.

Introduction to IELTS Speaking

- Overview of the IELTS exam and Speaking section
- Understanding the three parts of the Speaking test
- Assessment of students' current speaking skills

Note-Taking Strategies

- Effective note-taking techniques for the speaking test
- Practice note-taking during listening tasks
- Utilizing notes to structure responses

Fluency and Idiomatic Language

- Improving fluency in spoken English
- Incorporating idiomatic expressions into responses
- Practice with idioms and colloquial language

Phrasal Verbs and Vocabulary

- Introduction to phrasal verbs
- Expanding vocabulary with commonly used expressions
- Practice using phrasal verbs in context

Comparatives and Contrasts

- Expressing comparisons using comparatives
- Contrasting ideas and providing balanced arguments
- Practice with comparative structures

Grammar in Speaking

- Review of essential grammar structures for speaking
- Correct usage of tenses, articles, and prepositions
- Practice incorporating grammar into spoken responses

Mock Speaking Tests

- Simulated IELTS speaking test sessions



- Feedback and assessment of mock tests
- Individualized improvement plans

Review and Final Practice

- Comprehensive review of speaking strategies
- Additional practice with all aspects of speaking
- Individual feedback and assessment

Course Materials:

- IELTS Official Cambridge Guide (or similar IELTS preparation book)
- Supplemental materials for phrasal verbs and idiomatic language
- Notebooks and pens
- Access to IELTS speaking prompts and online resources

Grading will follow a point-based system with specific rubrics for each assessment.

KNOWLEDGE: COLLOCATION

SKILL: -DID THE SHOPPING--MADE A MISTAKE-

KNOWLEDGE: ADVANCED VOCABULARY

Skill: use these words in a sentence correctly:

OBSOLETE USE INSTEAD OF: USELESS

Pronounced: as written Academic examples Most factories in the area are now *obsolete*.

OMINOUS USE INSTEAD OF: DANGER COMING

Pronounced: as written Academic examples There were ominous signs that the economy was slowing down.

PANACEA USE INSTEAD OF: THEY SAY IT CURES EVERYTHING

Pronounced: pan – a – seer Academic examples Cutting welfare spending is seen by conservatives as a panacea that will solve all economic problems.

PARADIGM USE INSTEAD OF: ARGUMENT WITH A STRUCTURE

Pronounced: para –dime **Academic examples** This episode may serve as a *paradigm for the future*.

KNOWLEDGE: PHRASAL VERBS

TAKE AFTER - I think I take after my dad more than my mom.

BRUSH UP ON - I need to brush up on my English grammar.

GREAT LENGTHS -I used to go to great lengths to please people, but now I don't care if they like me.

SET OUT - I didn't set out to be good at basketball, but I began to enjoy it.

GET ROUND TO - I would like to play a musical instrument, but I just haven't got around to it.

HAD MY HEART SET ON -When I was younger, I had my heart set on becoming a musician.

FED UP - I think we are all fed up with online learning.

CHEER UP - I like to play with my dog; it cheers me up.



Talk about your family. “There is just me, my mom and dad. I think I TAKE AFTER my mom more than my dad.”

What would you like to improve about yourself? “I like playing the guitar, but I need to BRUSH UP ON my finger skills.”

Talk about something you found difficult. “I have always found Math hard, but to get into the university I will have to KNUCKLE DOWN and concentrate.”

Talk about some advice you gave someone. “I remember trying to teach my cousin to play guitar. I went to GREAT LENGTHS to show him where to place his fingers.”

Do you paint? “No, I don’t, but it is one of those activities I will GET ROUND TO one day. It would be OUTSTANDING to be able to paint pictures.”

What will you study at university? “I HAVE MY HEART SET ON becoming a doctor so I want to do Pre-Med at university.”

What school subjects do you like? “To be honest, with all this online learning, I am a little FED UP with school at the moment.”

What do you do in your spare time? “I have a lot of studying, so I don’t get much spare time, but to CHEER MYSELF UP I like to play basketball with my friends.”

KNOWLEDGE: HOW EXAMINERS CONSTRUCT QUESTIONS

- Tell me about ...
- How are the... ?
- Why do you think...?
- What is your opinion about...?
- How can the... ?
- What changes do you think will happen if...
- How popular is ...?
- Why do people like to... ?
- Why it is important... ?
- What types of ...?
- To what extent do you think ...?
- What are the benefits of...?

LEARNING MATERIALS

News, announcements, fictions, non-fictions, media, diagrams, graphs, personal experience, topical events, stories, manners and culture, traditions, festivals, language structures, idioms, life skills, native speakers,

LANGUAGE SKILLS

Conceptualization, analysis, communication problem-solving, critical thinking & technology.

DESIRED CHARACTERS – 1) Love for the country and the king, faith in the religion 2) Be honest and upright 3) Possess discipline 4) Eager to learn 5) Be self-sufficient 6) Dedicated to work 7) Love for Thainess 8) Have a sense of public consciousness and 9) Be an AC gentleman.

RESOURCES:

Textbooks, Handouts, exam papers, worksheets, student notebooks, presentations, information technology



Required	<ul style="list-style-type: none">• Notebooks.• Dictionary
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.. 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% 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:

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

* This total score shall be reflected by the cumulative points scored by students on all class assignments, homework, extra credit work, etc.

Assessment determination:

This syllabus is based on the important skills that students will need to successfully pass the IELTS test at level 6. The assessment will be based on students understanding of what is expected in the different modules of the test (Listening, Reading, and Writing & Speaking).

Recommendations for Success

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

1. Be on task during class. Focus and follow instructions and do the required activities to your best abilities. Do not worry about making mistakes as they are the best way for us to incorporate the materials into our long-term memories.
2. Search online (in English) if you don't understand a topic discussed in class to get a better understanding of the topic.
3. Do not copy your classmate's 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. Revise your work, as recommended by your teacher and work to continuously improve your work. Learning is a process, not a product.
6. 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.



Student Syllabus for: EP5 *English for Life Skills 4*: EN30244

Teacher: Mr. Joshua Bolen, J.D. (Mr. Bolen)

COURSE DESCRIPTION:

Welcome to English for Life Skills M5! Through a series of engaging and enriching lessons using Mr. Bolen's selected materials, students will continue to strengthen their core knowledge of the language.

The students will study a range of English texts. They will use learning skills in the 21st century. The learning skills will be used to make students possess learners' key competencies, which are thinking capability, problem solving capability, capability in applying life skills and capability in technological application. This will be done through the teaching and learning focusing on promoting Thai wisdom with respect to the language and literature and religion and tradition. Teaching and learning also promotes students to live under the Sufficiency Economy Philosophy. Students will be provided with desirable characteristics such as love of nation, religion and king, honesty and integrity and self-discipline. Additional important characteristics are avidity for learning, observance of principles of Sufficiency Economy Philosophy in one's way of life, dedication and commitment to work, cherishing Thai-ness, public-mindedness and gentlemen of Assumption College.

COURSE OBJECTIVES:

Learning Contents

Study English on the topics of IELTS Task 1 writing section. The IELTS reading section.

Use process of establishing knowledge and understanding, reading process, process of establishing practical skills, working process, process of language skills, process of establishing attitudes, process of conceptualization, process of analysis, process of establishing realization, and process of establishing communicative knowledge and understanding to create knowledge and understanding, communicative ability, thinking ability, problem-solving ability, life skills, and ability to use technology. At the same time, students will have the following intended characteristics which are nationalism, religiosity, loyalty, disciplines, diligence, self-sufficiency, endeavor, love of being Thai, and public mind.

Resources

Required

- ☐ At least 1 white notebook.
- ☐ Dictionary (English to English, not a translating one)
- ☐ Extra lines A4 paper for written assignments.

Suggested

- ☐ 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.



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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 (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:

<i>Final Score</i> $\geq 80\%$	4.0
$75\% \leq \textit{Final Score} < 80\%$	3.5
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$60\% \leq \textit{Final Score} < 65\%$	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:

Total Score of all Assessment	Homework 80%
Behavior	10%
Attendance	10%

Recommendations for Success

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

1. Be on task during class. Focus and follow instructions and do the required activities to your best abilities. Do not worry about making mistakes as they are the best way for us to incorporate the materials into our long-term memories.
2. Watch Movies, or TV shows, or YouTube with British / Australian accents, with the English subtitles is a good way to improve your speaking and listening skills; it also helps with vocabulary too.
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. 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, Presentations.
- Whiteboards & Projector.