

Final Exam Content
English Program
EP-M.5
Semester 1/2026

Subject code	Subject	Contents	Remark
MA30103	Foundation Mathematics 3	1. Variance 2. Standard Deviation 3. Normal Distribution 4. Correlation 5. Pearson's Correlation Coefficient	
MA30215	Universal Mathematics 3	1. Unit triangle and finding the value of sine, cosine and tangent using unit triangle 2. Trigonometric identity proof 3. Values of sine and cosine functions 4. Sine and cosine functions 5. Graphs of trigonometric functions 6. Trigonometric functions of sums and differences 7. Sine and cosine rules 8. Vectors (2D and 3D) 9. Vector's arithmetic operations	
EN30103	Foundation English 3	1. Vocabulary: Challenges and Achievements 2. Grammar: Conditionals (0, 1, 2, 3) 3. Vocabulary: Money and Wealth 4. Vocabulary: Noun Formation 5. Grammar: <i>I wish / If only</i> (past and present regret / criticism) 6. Reading: Multiple Matching / Matching Information 7. Writing: Answering Job Interview Questions	
EN30203	English Reading-Writing 3	1. Vocabulary: Travel and Transport 2. Vocabulary: Describing Location 3. Vocabulary: Describing an Event 4. Grammar: Passive Voice 5. Grammar: Linkers of Addition, Comparison, Emphasis, Contrast, Summary 6. Reading: Matching Headings 7. Reading: Matching Information 8. Writing: IELTS Part 1 (Describing Maps / Processes)	Engineer and Health
EN30209	English for Academic Achievement 3	Grammar – past Grammar tense Grammar – present simple vs. present continuous IELTS Speaking, Part 2 Question IELTS Speaking, Part 3 Question	Business

Subject code	Subject	Contents	Remark
ST30257	Universal Biology 2	1. Reproduction. • Asexual/sexual. • Gametogenesis. • Human reproduction. • Birth control. 2. Growth. • Organisms (general). • Animals (general). • Humans. • Plants.	Engineer
ST30247	Animal Physiology	Reproduction. • Asexual/sexual. • Structure/function/process of sex organs. • Sperm and egg production. • Fertilization. • Embryonic growth. • Fetal growth and development.	Health
ST30232	Universal Chemistry 2	1. Kinetic Molecular Theory & Gas Behaviour 2. Kelvin Scale & Average Kinetic Energy 3. Real vs Ideal Gases 4. Liquids (Surface Tension, Viscosity, Vapour Pressure, Evaporation & Boiling) 5. Solids (Types, Classification, Graphite vs Diamond) 6. Phase Diagrams (Regions, Triple & Critical Point) 7. Heating Curves & Energy Calculations 8. Kinetic Molecular Theory & Gas Behaviour	Engineer and Health
ST30212	Universal Physics 2	Electric Circuits - Current, energy transfer and charge - Current and Voltage relationships - Resistivity - Conduction and resistance - Semiconductors, sensors and potential dividers - Series and parallel circuits - Electric circuit rules - Emf and internal resistance - Power in circuits	Engineer
ST30202	Periodic Motion and Static Electricity	Electric Circuits - Current, energy transfer and charge - Current and Voltage relationships - Resistivity - Conduction and resistance - Semiconductors, sensors and potential dividers - Series and parallel circuits - Electric circuit rules - Emf and internal resistance - Power in circuits	Health

Subject code	Subject	Contents	Remark
ST30103	Foundation Biology	1. Unit 3 Immune system • Body defenses against foreign matter and destruction mechanism • Diseases caused by immune system disorders 2. Unit 4 Photosynthesis • Photosynthesis • Benefits of substances produced by plants • Growth of plants • Plants response to stimulae • Use of manmade substances to control plant growth 3. Genetics and genetic inheritance • Genetic characteristics • The cell cycle and cell division • Trait inheritance by genes on sex chromosomes • Multiple alleles • Mutation	Business
MA30243	SAT Mathematics Preparation 3	Please contact teacher	
ส30103 SO30103	สังคมศึกษา ศาสนา และวัฒนธรรม พื้นฐาน 3 Foundation Social Studies, Religion and Culture 3	1. เครื่องมือทางภูมิศาสตร์ 2. ภูมิศาสตร์มนุษย์ 3. ภูมิศาสตร์เทคนิค 4. ภูมิศาสตร์การท่องเที่ยว 5. สถานการณ์การเปลี่ยนแปลงทางทรัพยากรธรรมชาติ และ กฎหมายและนโยบายด้านทรัพยากรธรรมชาติและสิ่งแวดล้อม	
ส30109 SO30109	ประวัติศาสตร์ 3 History 3	– การฟื้นฟูศิลปวิทยาการ Renaissance – การขยายอิทธิพลของชาติตะวันตก – การปฏิวัติวิทยาศาสตร์-การปฏิวัติอุตสาหกรรม – ยุคภูมิธรรมหรือยุคแห่งการรู้แจ้ง – การปฏิวัติครั้งสำคัญของโลกที่นำไปสู่การปกครองระบอบประชาธิปไตย	
ท30103 TH30103	ภาษาไทย 3 Foundation Thai 3	๑. โคลนติดล้อ ตอนความนิยมเป็นเสมือน ๒. การเขียนเชิงวิชาการ (การจัดบันทึก การเขียนรายงาน การเขียนบรรณานุกรม การเขียนเรียงความ ๓. การกรอกแบบฟอร์ม การเขียนประกาศ	



Final Exam Content (External exam)

English Program

EP-M.5

Semester 1/2026

Subject code	Subject	Contents	Remark
ST30293	Health Science 3	– Communicable disease – Hormones	
ST30106	Data Analytics Technology	1. Excel- Basic Functions 2. Excel- advanced functions 3. Excel- Representing data -charts 4. Excel data analysis- cleaning raw data, organizing tables, using formulas for insights, and summarizing trends with Pivot Tables and charts.	
OC30105	Foundation Occupational Works 2	Unit 1 Occupation • Employment • Pre-Employment Test • Personality Tests • Personality Types • Human Resources (HR) Unit 2 Business Intro • Definition and importance • Legal Forms • Finance & Accounting • Marketing • Character & Ethics	
OC30227	Principle of Marketing	Unit 1: Marketing Principles • Product • Price • Promotion • Place • Marketing Mix • Marketing Strategy • Marketing Research • On-Line Marketing • Service Marketing • International Marketing	

Subject code	Subject	Contents	Remark
OC30223	Financial and Accounting	Unit1 Accounting - Accounting Concepts and Principles - GAAP - Assets/Liabilities - Tax Accounting - Bookkeeping Unit 2 Finance & Accounting - International Financial Accounting - Auditing - Sarbanes Oxley Act - Assurances - Reporting	
EN30243	English for Life Skills 3	IELTS Speaking Part 2 Cue Card Students will be given a speaking cue card and have one week to prepare their presentation using Canva. Required: 1. Introduce the topic and give background information. 2. Use at least 1 idiom. 3. Use a variety of high-level language. 4. Use feeling words, emotional language. 5. Grammar mistakes will lower your score. Check punctuation, sentence construction, and verb tenses. Additionally, try to use conditionals, complex sentences. 6. Explain why you want to visit this place: Give clear details and examples, Add specific information rather than short answers Use Point > Explain > Example. Support your ideas.	