

Final Exam Contents Form: Semester 2 / 2025

Subject: Foundation Mathematics Code: MA30104 Class: EP M5/1-2 Teacher's Name: Keerthi Prabhakar

| Contents | Formative 2 | Final Examination | Classroom Handouts | Remark |
|---------------------------------------|-------------|-------------------|---------------------------|--------|
| 1. Outliers | ✓ | ✓ | Worksheets given in class | |
| 2. Standard Deviation of grouped data | ✓ | ✓ | | |
| 3. Normal Distribution | ✓ | ✓ | | |
| 4. Correlation | ✓ | ✓ | | |
| 5. Pearson's Correlation Coefficient | ✓ | ✓ | | |

Subject: Universal Mathematics 4 Code: MA30216 Class EP M5/1-2 Teacher's Name: Shiv Kumar

| Contents | Formative 2 | Written Answers | Classroom Handouts | Remark |
|--|-------------|-----------------|--|---|
| Counting rules and factorial | ✓ | ✓ | Text book (Haese Mathematics 3 rd edition) (Class Worksheets +Handouts) | Content might change because of time constraints. |
| Permutation formula and word problems on permutation | ✓ | | | |
| Combination formula and word problems on combination | ✓ | ✓ | | |
| Binomial expansion theorem | ✓ | ✓ | | |
| Binomial experiment and its properties | ✓ | | | |
| Word problems based on binomial experiments | ✓ | ✓ | | |
| Mean, variance and standard deviation formula of binomial. | ✓ | ✓ | | |
| Binomial distribution | ✓ | ✓ | | |
| Complex Number (SAT) | ✓ | | | |

Formative 2: - Quizzes - Worksheets - Tests

Subject: Foundation English 4 Code: EN30104 Class EP-M5/1-2 Teacher's Name: Mr. Christopher Reese

| Contents | Formative 2 | Multiple Choice | Written Answers | Classroom Handouts | Remark |
|--|--------------------|------------------------|------------------------|---|---|
| Vocabulary: adverb-adjective collocations | ✓ | ✓ | | <i>All material tested can be found in the assignments posted to Google Classroom. Additional revision materials (e.g. Quizlet sets / grammar summaries) will also be posted to Google Classroom.</i> | Contents might change because of time constraints. |
| Vocabulary: collocations related to education | ✓ | ✓ | | | |
| Grammar: Relative Clauses (defining / non-defining, inversion of preposition for formal writing) | ✓ | | ✓ | | |
| Writing: Short response (questions related to education / conservation) | ✓ | | ✓ | | |

Formative 2: Formative score is calculated from assignments posted to Google Classroom which are due for completion during the second half of the semester.

Subject: Reading and Writing 4 Code: EN30204 Class EP-M5/1-2 Teacher's Name: Mr. Christopher Reese

| Contents | Formative 2 | Multiple Choice | Written Answers | Classroom Handouts | Remark |
|--|----------------|--------------------|--------------------|---|---|
| 1. Grammar: 1/2/0 conditionals and alternatives to “if” | ✓ | ✓ | | <i>All material tested can be found in the assignments posted to Google Classroom. Additional revision materials (e.g. Quizlet sets / grammar summaries) will also be posted to Google Classroom.</i> | Contents might change because of time constraints. |
| 2. Vocabulary: collocations about finance | ✓ | ✓ | | | |
| 3. Reading: Matching Information | ✓ | ✓ | | | |
| 4. Register / Vocabulary: Using appropriate register / formality | ✓ | | ✓ | | |
| 5. Writing: Writing a formal letter | ✓ | | ✓ | | |

Formative 2 : Formative score is calculated from assignments posted to Google Classroom which are due for completion during the second half of the semester.

Subject: ST30107 Class EP M5 Teacher's Name: Dave Thomas

| Contents | Formative 2 | Final Project | Classroom Handouts | Remark |
|---|-------------|---------------|----------------------------|---|
| PowerPoint- Formatting images/ video | ✓ | ✓ | Worksheets, Online PDFs | Content might change because of time constraints. |
| PowerPoint- Formatting text | ✓ | ✓ | | |
| PowerPoint-presenting and representing information, graphs, charts, tables and diagrams | ✓ | ✓ | | |
| PowerPoint- Presentation skills, public speaking | ✓ | ✓ | | |
| Alternatives to PowerPoint compare and contrast | ✓ | ✓ | | |

Formative 2: - Worksheets - Class participation - Quiz

Subject: Universal Physics Code: ST30213 Universal Physics 3 Class: EP M5/1 Teacher's Name: Glenn Thomas

| Contents | Formative 2 | Final | Classroom Handouts | Remark |
|--|-------------|-------|--|---|
| Unit 2: Electromagnetic effects <ul style="list-style-type: none"> • Magnetic fields, magnetic flux, magnetic flux density, and flux linkage • DC motors, motor effect, and Fleming's left hand rule • Magnetic forces on wires and charges, mass spectrometers, and circular motion in a magnetic field. • Electromagnetic induction, AC generators, calculating induced e.m.f.'s, and Fleming's right hand rule. • Transformer types, transmission of power, national grid, and uses of transformers. | ✓ | ✓ | Google classroom, teams meeting room, Discussions, movies, worksheets, poster presentations, power point presentations, labs, animations, and quizzes. | Content might change because of time constraints. |

Formative 2: - Quizzes. - Worksheets. - Poster assignments. - Discussions. - Labs. - Scientific Investigations.

Subject: Universal Chemistry**Code: ST30233****Class EP-M5 / 1-2****Teacher's Name: Cherise Nieuwoudt**

| Contents | Formative 2 | Multiple Choice | Written Answers | Classroom Handouts | Remark |
|---|-------------|-----------------|-----------------|--|---|
| 1. Structure of Water & Polarity (bent shape, electronegativity, partial charges) | ✓ | ✓ | ✓ | Worksheets based on Chemistry Textbook. Class lectures. Blooket on topics. Labs. | Contents might change because of time constraints. |
| 2. Hydrogen Bonding in Water | ✓ | ✓ | ✓ | | |
| 3. Cohesion & Surface Tension | ✓ | ✓ | ✓ | | |
| 4. Structure of Ice & Density | ✓ | ✓ | ✓ | | |
| 5. Solutions (solute, solvent, homogeneous mixture) | ✓ | ✓ | ✓ | | |
| 6. Solubility & "Like Dissolves Like" | ✓ | ✓ | ✓ | | |
| 7. Electrolytes & Conductivity | ✓ | ✓ | ✓ | | |
| 8. Dissociation of Ionic Compounds | ✓ | ✓ | ✓ | | |
| 9. Hydration of Ions in Water | ✓ | | ✓ | | |
| 10. Factors Affecting Rate of Dissolving (temperature, stirring, particle size) | ✓ | ✓ | ✓ | | |
| 11. Types of Mixtures (Solutions, Suspensions, Colloids) | ✓ | ✓ | ✓ | | |
| 12. Tyndall Effect | ✓ | ✓ | ✓ | | |

Formative: Completion of Chemistry Worksheets, quizzes, assignments (posters, presentations), labs, and CK-12 lessons for review.

Subject: Foundation Occupational Works Code: OC30106 Class EP M 5/1 and 5/2 Teacher's Name: Dr. Hermann Gruenwald

| Contents | Formative 2 | Final Exam | Classroom Handouts | Remark |
|---|--------------------|-------------------|--|--|
| 1. Apply concepts and principles to effectively manage an organization or the information services organization age | ✓ | ✓ | Google Classroom PowerPoint Presentations Class Participation In-Class Assignments Homework Material on Google Classroom | The content might change due to time constraints. This is a closed-book exam No phone, iPad or other mobile device allowed during the exam |
| 2. Explain the principles of operations, policymaking, and planning for running organizations or the information services organizations age | ✓ | ✓ | | |
| 3. Present how to work and put them into practice in the areas 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. | ✓ | ✓ | | |

Subject: Finance & Accounting**Code: OC30223 (FA)****Class EP M 5/2 B****Teacher's Name: Dr. Hermann**

| Contents | Formative 2 | Final Exam | Classroom Handouts | Remark |
|---|--------------------|-------------------|---|--|
| 1. Unit1 Accounting | ✓ | ✓ | Textbook google classroom PowerPoint Presentations Class Participation In-Class Assignments Homework | The content might change because of time constraints. This is a closed-book exam No electronic devices allowed |
| Accounting Concepts and Principles | ✓ | ✓ | | |
| GAAP | ✓ | ✓ | | |
| Assets/Liabilities | ✓ | ✓ | | |
| Tax Accounting | ✓ | ✓ | | |
| Bookkeeping | ✓ | ✓ | | |
| 2. Unit 2 Finance & Accounting | ✓ | ✓ | | |
| International Financial Accounting | ✓ | ✓ | | |
| Auditing | ✓ | ✓ | | |
| Sarbanes Oxley Act | ✓ | ✓ | | |
| Assurances | ✓ | ✓ | | |
| Reporting | ✓ | ✓ | | |

Subject: Universal Biology 3 Code: ST30258

Class EP M5/1E

Teacher's Name: Nicholas Crook

| Contents | Formative 2 | End-term | Classroom Handouts | Remark |
|---------------------------------------|-------------|----------|---|---|
| 1. Plant Photosynthesis | ✓ | ✓ | Worksheets, Notebook work, Power point presentations, Discussions, Labs, Participation exercises. | Content might change because of time constraints. |
| 2. Reproduction in Flowering Plants | ✓ | ✓ | | |
| 3. Fruits & Seeds of Flowering Plants | ✓ | ✓ | | |
| 4. Control of Plant Growth | ✓ | ✓ | | |
| 5. Plant Responses | ✓ | ✓ | | |

วิชา ภาษาไทยพื้นฐาน 4 (ท30104)

1. มัทนะพาธา
2. การพูดต่อประมุขชน
3. การแนะนำตนเอง

วิชา สังคมศึกษา ศาสนา และวัฒนธรรมพื้นฐาน 4 (ส30104)

-ระบบเศรษฐกิจ -ดัชนีชี้วัดเศรษฐกิจ -วิกฤตการณ์ทางเศรษฐกิจ -องค์กรเศรษฐกิจระหว่างประเทศ

วิชา ประวัติศาสตร์ 4 (ส30110)

หน่วยการเรียนรู้ที่ 7 ความขัดแย้งและการประสานประโยชน์ระหว่างประเทศ

- วิเคราะห์เหตุการณ์สำคัญๆ ที่มีผลต่อการเปลี่ยนแปลงทางสังคม เศรษฐกิจ และการเมืองเข้าสู่โลกสมัยปัจจุบัน

หน่วยการเรียนรู้ที่ 8 เหตุการณ์สำคัญของโลก ในศตวรรษที่ 21

- เหตุการณ์ 11 กันยายน 2001 - การก่อการร้ายต่างๆ - เศรษฐกิจและสังคมในคริสต์ศตวรรษที่