PUSAT TINGKATAN ENAM MERAGANG

2016/2017

A - Level
Subject Guides
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General Guidance from the Principal

Congratulations on the successful achievement in your BC-GCE O-level results.

You are now in the process of making important decisions on subject choices. Please read this guide carefully and consider the following general points:

What is the sixth form like?

A-Level study is very different from secondary school studies. In O-level you studied a large group of subjects but now you will be studying a small number of subjects in depth and it requires you to read widely. Work patterns will, therefore, be different and inevitably much more demanding. You should realise that success in the sixth form very much depends on the effort you are prepared to make. We look for students who are self-motivated, and who realise that much is expected of them in the two years of the sixth form.

Most A-Level subjects require good command of English Language, you are advised to continue improving your competency in this Language.

How do I choose my subjects?

You should have a genuine interest in each of the subjects you choose. If you are interested in a subject, it is more likely that you will excel at it. Do not choose your three subjects simply because they were the ones in which you achieved your best O-level results. A-level studies are sometimes totally unlike their O-level counterparts; for example, A-level Geography requires considerably better essay writing skills than those often used in O-level Geography.

Do my subjects keep the right doors open?

There is no simple rule which helps to decide on subject choices. The best advice is to think carefully about what your plans are after A-levels and choose form six subjects that will help you achieve this goal. Find out what subjects and grades are required by UBD, UNISSA, ITB, KUPU or overseas universities for the courses that you are interested in. Discuss your planned career and choice of subjects with the teaching staff during admissions.

If you do not yet have a firm career plan

If you don't have a specific goal for 2018 after A-levels, then you are advised to choose subjects which both interest you and which you feel you will do well in. However, during your lower sixth year you must begin developing your own 4-step career plan. Advice on this will be given by the PTE Meragang careers department during orientation. There will be several careers talks offered whilst you are attending PTE Meragang.

Many university courses demand high entry grades, but form six is not just all about academic study. Admissions officers and the scholarship section also look for evidence of a sixth form record that demonstrates responsible attitudes and a positive contribution to the life of the school and community.

I welcome you to PTE Meragang and wish you success in your studies.

PRINCIPAL
ENTRY REQUIREMENTS:

1. Principles of Accounts grade A1 – E8 (Essential)
2. Mathematics grade A1 – C6 (Preferred)
3. English Language grade A1 – C6 (Preferred)

COURSE CONTENT:

<table>
<thead>
<tr>
<th>Topics</th>
<th>AS Level</th>
<th>A Level</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Financial Accounting</td>
<td>• The accounting cycle</td>
<td>• Preparation of financial statements:</td>
</tr>
<tr>
<td></td>
<td>• Accounting for non-current assets</td>
<td>– manufacturing businesses</td>
</tr>
<tr>
<td></td>
<td>• Reconciliation and verification</td>
<td>– not for profit organisations</td>
</tr>
<tr>
<td></td>
<td>• Preparation of financial statements:</td>
<td>– limited companies</td>
</tr>
<tr>
<td></td>
<td>– adjustments</td>
<td>– International Accounting Standards</td>
</tr>
<tr>
<td></td>
<td>– sole traders</td>
<td>– auditing and stewardship of limited companies</td>
</tr>
<tr>
<td></td>
<td>– partnerships</td>
<td></td>
</tr>
<tr>
<td></td>
<td>– limited companies</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Analysis and communication of accounting information to stakeholders</td>
<td>• Business purchase and merger</td>
</tr>
<tr>
<td></td>
<td>– activity based costing (ABC)</td>
<td>• Consignment and Joint venture accounts</td>
</tr>
<tr>
<td></td>
<td>– marginal costing</td>
<td>• Computerised accounting systems</td>
</tr>
<tr>
<td></td>
<td>– cost-volume-profit analysis</td>
<td>• Analysis and communication of accounting information</td>
</tr>
<tr>
<td></td>
<td>• The application of accounting to business planning</td>
<td></td>
</tr>
<tr>
<td>2. Cost and Management Accounting</td>
<td>• Costing for materials and labour</td>
<td>• Activity based costing (ABC)</td>
</tr>
<tr>
<td></td>
<td>• Traditional costing methods:</td>
<td>• Budgeting and budgetary control</td>
</tr>
<tr>
<td></td>
<td>– absorption costing</td>
<td>• Standard costing</td>
</tr>
<tr>
<td></td>
<td>– marginal costing</td>
<td>• Investment appraisal</td>
</tr>
<tr>
<td></td>
<td>– cost-volume-profit analysis</td>
<td></td>
</tr>
</tbody>
</table>

SPECIAL FEATURES:

- A good grounding in all AS work is necessary to achieve success in the full A-level.
- Students are encouraged to take part in business plan competitions which give them opportunities to apply their accounting knowledge.

ASSESSMENT AND EXAMINATIONS:

Lower Sixth: * 2 Assessments and an End of Year examination.
Upper Sixth: * 2 assessments and a Mock examination.

Cambridge GCE Examination:

<table>
<thead>
<tr>
<th>Paper</th>
<th>Type of Paper</th>
<th>Duration</th>
<th>Weighting</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>AS Level</td>
</tr>
<tr>
<td>1</td>
<td>Multiple-choice Questions</td>
<td>1 hr</td>
<td>30%</td>
</tr>
<tr>
<td>2</td>
<td>AS Structured Questions</td>
<td>1 hr 30 mins</td>
<td>70%</td>
</tr>
<tr>
<td>3</td>
<td>Advanced Structured Questions</td>
<td>3 hrs</td>
<td>-</td>
</tr>
</tbody>
</table>

FUTURE EDUCATION AND CAREERS:

A qualification in A-level Accounting opens many career choices and can help you to develop your future job prospects. Accounting is a relevant subject for university courses at UBD, ITB and UNISSA. It also offers the most widely recognised route into higher studies in accountancy (such as ACCA) and other disciplines such as Banking, Economics, Law, Computing, Marketing, Teaching etc.
ENTRY REQUIREMENTS:

English Language grade A1 - C5 (Preferred)
Mathematics grade A1 –C5 (Preferred)
Computer Studies or IGCSE ICT A1 - C5 (Essential)

COURSE CONTENT:

This course encourages students to become effective and discerning users of ICT. It helps them to develop a broad range of ICT skills, knowledge and understanding. Students gain an understanding of the structure and use of ICT systems within a wide range of organisations, including the use of a variety of computer networks. As a result, students learn about ICT system life cycles, and how these affect the workplace. They also gain an understanding of the wider impact of ICT on society in general.

The aims of this course are to encourage candidates to:

1. develop a broad range of ICT skills and be aware of new and emerging technologies;
2. develop an understanding of the parts, uses and applications of ICT systems within a range of organisations, including the use of basic computer networks;
3. develop an understanding of how these ICT systems affect society in general;
4. develop an understanding of the main systems life cycle and apply this understanding to workplace situations.
5. develop a broad knowledge of the uses of ICT in workplace situations; candidates can then progress to learn more in ICT-related fields, and can progress from AS to A Level;
6. apply their knowledge and understanding of ICT and use these skills in workplace situations;
7. develop an understanding of the parts, uses and applications of ICT systems within a wide range of organisations, including the use of a range of computer networks;
8. develop an understanding of project management skills and other problem solving skills.

This is a new course. Places on this course are strictly limited to students with an intermediate knowledge of computing and general ICT. Students will need to demonstrate their skills through a pre-entry test.

SPECIAL FEATURES:

Students enrolled in this course must have access to a computer and the Internet at home. Students must be prepared to work on projects collaboratively in class and independently in their own time. Students will have access to a wide range of ICT equipment within the school.

ASSESSMENT AND EXAMINATIONS:

<table>
<thead>
<tr>
<th>AS LEVEL</th>
<th>1 hour 15 minutes</th>
<th>2 hours 30 minutes</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>WRITTEN</strong></td>
<td>Candidates answer each question in the spaces provided on the question paper. Maximum mark: 80</td>
<td>A number of tasks taken under controlled conditions. Candidates must use the most appropriate software and the most appropriate methods. Maximum mark: 120</td>
</tr>
<tr>
<td>40% of total marks</td>
<td>60% of total marks</td>
<td></td>
</tr>
<tr>
<td><strong>PRACTICAL</strong></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>A LEVEL</th>
<th>1 hour 15 minutes</th>
<th>2 hours 30 minutes</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>WRITTEN</strong></td>
<td>Candidates answer each question in the spaces provided on the question paper. Maximum mark: 80</td>
<td>A number of tasks taken under controlled conditions. Candidates must use the most appropriate software and the most appropriate methods. Maximum mark: 120</td>
</tr>
<tr>
<td>20% of total marks</td>
<td>30% of total marks</td>
<td></td>
</tr>
<tr>
<td><strong>PRACTICAL</strong></td>
<td></td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th></th>
<th>1 hour 15 minutes</th>
<th>2 hours 30 minutes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Candidates answer each question in the spaces provided on the question paper. Maximum mark: 80</td>
<td>A number of tasks taken under controlled conditions. Candidates must use the most appropriate software and the most appropriate methods. Maximum mark: 90</td>
<td></td>
</tr>
<tr>
<td>20% of total marks</td>
<td>30% of total marks</td>
<td></td>
</tr>
</tbody>
</table>

FUTURE EDUCATION AND CAREERS:

ICT skills are increasingly necessary for everyone, regardless of the subject you study at university or the career path you choose to take. This ICT qualification will go alongside almost any combination of A - level subjects. It gives the students sound ICT skills in a wide range of applications. This course is designed to allow a candidate to continue on at tertiary level or enter employment at trainee level within a wide range of information and communication technology contexts. Candidates who achieve these qualifications will be fully prepared to enter a wide variety of HND or degree level courses in ICT or computing-related subjects.
ENTRY REQUIREMENTS:

Art Grade A1 – C6 (Essential) or Design & Technology A1- B4 (Essential), English A1 – C6 (Preferred)
Portfolio must be shown to the HOD during interview. Mini assessment will be conducted during interview (drawing, painting, art analysis)

COURSE CONTENT:

Most of the work is expected to be practical or studio-based so that students will develop their abilities of observation and analysis of the visual world, sensitivity, skill, personal expression and imagination. They should also learn to relate their skills to an enhanced knowledge of their own and other cultures, past and present, and an appreciation of practical design problems. The course is suitable for those who are interested in enriching their artistic exploration and design thinking.

Art and Design encompasses a broad range of related activities, areas and approaches to study. Common Areas of studies are Painting and Related Media, Textile, Sculpture, Graphic Design, Printmaking, Fashion Design, Photography. These studies vary according to the student’s choice to pursue further into research, development and realisation, at some depth.

COMPONENT 1  CONTROLLED TEST (30% of final A2 mark)
This component is concerned with developing the candidate’s response to visual stimuli and encourages the process of direct observation from primary sources, recording, analysis and two/three dimensional development. The assessment of this component will be by a 15 hours Controlled Test and evidence of preparatory work that will be externally marked by CIE.

COMPONENT 2  COURSEWORK (20% of final A2 mark)
One Coursework project from one area of study given under the Curriculum Content will be pursued during the course. Emphasis will be placed on the development of ideas and the use of process rather than the resolution of the final coursework project piece itself.

COMPONENT 3  COURSEWORK (30% of final A2 mark)
One Coursework project from one area of study given under the Curriculum Content will be pursued during the course. This may or may not be from the same area of study as work submitted for component 2. If the same area is selected then candidates are advised to investigate a different process (e.g. Comp.2: Textile-Woven. Comp.3: Textile-Printed).

COMPONENT 4  RELATED STUDY (20% of final A2 mark)
Candidates will produce a detailed study of any aspect of the visual arts that relates to their work for Component 2 or Component 3. Coursework. First Hand experience of their work(s) should form at least part of the study and should be defined as an enquiry into historical or contemporary practice that focuses one or more of the following:
1. The use of processes and the use of materials in the same area of study: painting, Graphics etc.
2. The use of similar sources for research, e.g. Animal or human forms, natural or manmade objects etc.
3. The exploration of similar themes: movement, architecture, symbolism etc.

SPECIAL FEATURES:

- Opportunities to participate in national and in-school art and design competitions.
- Educational trips to galleries, museums, artists’ workshops and local places of interest.
- Workshops/Talks conducted by local artists and representatives from oversea art colleges or university.
- Student’s artworks are displayed at the school exhibition area throughout the year.
- Coursework and practical based

ASSESSMENT AND EXAMINATIONS:

Assignments and coursework/projects throughout the course are taken into account for the examination final marks. Therefore it is very important to submit all work on time.

<table>
<thead>
<tr>
<th>Year 1 (L6)</th>
<th>Year 2 (U6)</th>
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<tbody>
<tr>
<td>Assignment</td>
<td>Assignment</td>
</tr>
<tr>
<td>Coursework/projects</td>
<td>Coursework/projects</td>
</tr>
<tr>
<td>Assessments</td>
<td>Assessments</td>
</tr>
<tr>
<td>End of Year Exams</td>
<td>Coursework/projects</td>
</tr>
</tbody>
</table>

| (AS Level Exams) | (A2 Level Exams): |
| Component 1 & 2 | Component 3 & 4 |

FUTURE EDUCATION AND CAREERS:


Further education: University degree in Art or design (overseas); Art is one of the majors for a BA degree at University of Brunei Darussalam.
ENTRY REQUIREMENTS:

Bahasa Melayu grade A1 – C6 jika calon mengambil mata pelajaran Kesusteraan Melayu
Bahasa Melayu grade A1 – B4 jika calon tidak mengambil mata pelajaran Kesusteraan Melayu

COURSE CONTENT:

Mengandungi 2 kertas:

1. Kertas 1
   Bahagian A – Karangan
   Bahagian B – Fasal 1 – Meringkaskan Karangan
                 Fasal 2 – Perbincangan / karangan pendek
                 Fasal 3 – Terjemahan

2. Kertas 2 – Kesusteraan Melayu
   Bahagian A – Teks Klasik (Hikayat Hang Tuah)
                 Warisan Puisi Melayu
   Bahagian B – Sejarah Sastera Klasik (Sebelum Tahun Masehi 1800)
   Bahagian C – Teks Modem – Puncak Pertama
                 Hadiah Sebuah Impian
   Bahagian D – Sejarah Sastera Melayu Moden (sesudah Tahun Masehi 1800).

ASSESSMENT AND EXAMINATIONS:

Kertas 1 – Bahagian A – Karangan 40%
Bahagian B – Fasal 1 – Meringkas Karangan 20%
             Fasal 2 – Perbincangan 20%
             Fasal 3 – Terjemahan 20%

Kertas 2 – Jawab 5 soalan dari 12 soalan (20 markah setiap soalan)

Masa Peperiksaan : 3 jam (setiap Kertas 1 & 2)

FUTURE EDUCATION AND CAREERS:

Berpeluang untuk melanjutkan pelajaran ke peringkat yang lebih tinggi seperti UBD dan luar negera seperti universiti –universiti di Malaysia.

Kerjaya yang boleh diceburi adalah seperti Guru, Pensyarah, Penterjemah, Sasterawan, Penulis dan sebagainya.
ENTRY REQUIREMENTS:

Biology grade A1 – C6 (Essential)
Chemistry grade A1 – C6 (Preferred)
English Language grade A1 – C6 (Preferred)

COURSE CONTENT:

<table>
<thead>
<tr>
<th>Component</th>
<th>Weighting</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Paper 1 Multiple Choice (1 hour)</strong></td>
<td>31%</td>
</tr>
<tr>
<td>This paper consists of 40 multiple choice questions, all with four options. All questions will be based on the AS Level syllabus content. Candidates will answer all questions. Candidates will answer on an answer sheet.</td>
<td>15.5%</td>
</tr>
<tr>
<td><strong>Paper 2 AS Level Structured Questions (1 hour 15 minutes)</strong></td>
<td>46%</td>
</tr>
<tr>
<td>This paper consists of a variable number of questions, of variable mark value. All questions will be based on the AS Level syllabus content. Candidates will answer on the question paper.</td>
<td>23%</td>
</tr>
<tr>
<td><strong>Paper 3 Advanced Practical Skills (2 hours)</strong></td>
<td>23%</td>
</tr>
<tr>
<td>This paper requires candidates to carry out practical work in timed conditions. This paper will consist of two or three experiments drawn from different area of the AS Level syllabus. Candidates will answer all questions. Candidates will answer on the question paper.</td>
<td>11.5%</td>
</tr>
<tr>
<td><strong>Paper 4 A Level Structured Questions (2 hours)</strong></td>
<td>-</td>
</tr>
<tr>
<td>This paper consists of a variable number of structured questions each with a variable mark value (Section A) and a choice of one free response style question worth 1.5 marks (Section B). All questions will be based on the A Level syllabus but may require knowledge of material first encountered in the AS Level syllabus. Candidates will answer on the question paper.</td>
<td>38.5%</td>
</tr>
<tr>
<td><strong>Paper 5 Planning, Analysis and Evaluation (1 hour 15 minutes)</strong></td>
<td>-</td>
</tr>
<tr>
<td>This paper consists of a variable number of questions of variable mark value based on the practical skills of planning, analysis and evaluation. Candidates will answer on the question paper.</td>
<td>11.5%</td>
</tr>
</tbody>
</table>

SPECIAL FEATURES:

Candidates for Advanced Subsidiary (AS) certification take Papers 1, 2 and 3 (either Advanced Practical Skills 1 or Advanced Practical Skills 2) in a single examination series. Candidates who, having received AS certification, wish to continue their studies to the full Advanced Level qualification may carry their AS marks forward and take Papers 4 and 5 in the examination series in which they require certification. Candidates taking the full Advanced Level qualification at the end of the course take all five papers in a single examination series.

Candidates for Cambridge International A Level Biology study the AS topics and the following topics:

1. Cell structure
2. Biological molecules
3. Enzymes
4. Cell membranes and transport
5. The mitotic cell cycle
6. Nucleic acids and protein synthesis
7. Transport in plants
8. Transport in mammals
9. Gas exchange and smoking
10. Infectious disease
11. Immunity
12. Energy and respiration
13. Photosynthesis
14. Homeostasis
15. Control and co-ordination
16. Inherited change
17. Selection and evolution
18. Biodiversity, classification and conservation
19. Genetic technology

ASSESSMENT AND EXAMINATIONS:

FUTURE EDUCATION AND CAREERS:

Biology, usually combined with Chemistry, may lead to university courses in the life or health sciences. These include Medicine, Dentistry, Physiotherapy, Radiography, Sports Science, Occupational Therapy, Nursing, Genetic Engineering, Biotechnology, Food Science, Microbiology, Veterinary Science, Forestry, Marine Biology, Teaching, Medical Laboratory Technician and many more.
ENTRY REQUIREMENTS:

- English Language grade A1 – C6 (Preferred)
- Commerce A1 – C6 (Preferred)
- Mathematics grade A1 – C6 (Preferred)

COURSE CONTENT:

This course provides an opportunity for students to develop an appreciation of how businesses work. The course is based firmly on the aims and objectives of business, the principles which govern their decisions and the methods of solving business problems. Students will learn six units which comprised different business areas:

- Unit 1 - Business and its Environment (AS and A Level)
- Unit 2 - People in Organisations (AS and A Level)
- Unit 3 – Marketing (AS and A Level)
- Unit 4 – Operations and Project Management (AS and A Level)
- Unit 5 – Finance and Accounting (AS and A Level)
- Unit 6 – Strategic Management (A Level)

Four important writing techniques are emphasized – Knowledge, Application, Analysis and Evaluation.

CHANGES TO SYLLABUS CONTENT:

Previously named Cambridge International AS and A Level Business Studies (9707), from 2016 this syllabus will be renamed Cambridge International AS and A Level Business (9609) to reflect the maturity of the subject. The ‘Core’ and ‘Extended’ syllabus content headings are replaced by ‘AS Level’ and ‘Additional A Level’. Assessments in the 2016 exam series are based on the revised 9609 syllabus.

SPECIAL FEATURES:

The teaching of Business Studies makes use of Case Studies to test the application of subject knowledge. A variety of fieldtrips to financial institutions; factories; companies; retail outlets; market research and classroom activities are organised to reinforce the understanding of the syllabus. Groupwork are greatly emphasized throughout the year.

ASSESSMENT AND EXAMINATIONS:

**Internal Assessment and Examination**

For Lower Sixth – Paper 1 and Paper 2 (AS Level topics only)
For Upper Sixth – Paper 1, Paper 2 and Paper 3 (Both AS and A Level topics)

For Cambridge AS and A Level Examinations:

<table>
<thead>
<tr>
<th>Paper</th>
<th>Type</th>
<th>Duration</th>
<th>Number of Questions</th>
<th>AS Level</th>
<th>A Level</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Short Answer</td>
<td>1 hour 15 mins</td>
<td>4</td>
<td>20 %</td>
<td>10 %</td>
</tr>
<tr>
<td></td>
<td>Essay</td>
<td></td>
<td>1 from choice of 3</td>
<td>20 %</td>
<td>10 %</td>
</tr>
<tr>
<td>2</td>
<td>Data Response</td>
<td>1 hour 30 mins</td>
<td>2</td>
<td>60 %</td>
<td>30 %</td>
</tr>
<tr>
<td>3</td>
<td>Case Study</td>
<td>3 hours</td>
<td>5 + 1 essay from choice of two</td>
<td>50 %</td>
<td></td>
</tr>
</tbody>
</table>

FUTURE EDUCATION AND CAREERS:

The skills learnt studying business can be applied to a wide range of activities and careers. A Level Business Studies provides a good foundation for many occupations, from sales and purchasing, marketing, hotel management, product manufacturing to general business practice. Some business graduates will have specialised in a particular aspect of the subject, such as Marketing or Human Resource Management. Some graduates will move into general management positions.
ENTRY REQUIREMENTS:
Chemistry grade A1 – C6 (Essential)
Mathematics grade A1 – C6 (Preferred)
English Language grade A1 – C6 (Preferred)

COURSE CONTENT:

<table>
<thead>
<tr>
<th>Lower Sixth ('AS')</th>
<th>Upper Sixth ('A2')</th>
</tr>
</thead>
<tbody>
<tr>
<td>(1) Atoms, molecules and stoichiometry</td>
<td>(1) Chemical energetics</td>
</tr>
<tr>
<td>(2) Atomic structure</td>
<td>(2) Electrochemistry</td>
</tr>
<tr>
<td>(3) Chemical bonding</td>
<td>(3) Equilibria (ionic equilibria)</td>
</tr>
<tr>
<td>(4) States of matter</td>
<td>(4) Reaction kinetics</td>
</tr>
<tr>
<td>(5) Chemical Energics</td>
<td>(5) Inorganic chemistry (Transition elements)</td>
</tr>
<tr>
<td>(6) Electrochemistry</td>
<td>(6) Organic Chemistry and Polymerisation</td>
</tr>
<tr>
<td>(7) Equilibria (Chemical equilibria)</td>
<td>(arenes, phenol, acyl chlorides, amines,</td>
</tr>
<tr>
<td>(8) Reaction kinetics</td>
<td>amides, amino acids, polymerisation)</td>
</tr>
<tr>
<td>(9) Inorganic Chemistry (Periodicity, Group 2,</td>
<td>(7) Analytical techniques</td>
</tr>
<tr>
<td>Group 17, Nitrogen and Sulfur)</td>
<td>(Chromatography, Mass spectroscopy,</td>
</tr>
<tr>
<td>(10) Organic Chemistry (formulae and</td>
<td>Carbon-13 and proton NMR)</td>
</tr>
<tr>
<td>isomers, alkanes, alkenes, halogen derivatives,</td>
<td>(8) Organic Synthesis (synthesis of chiral</td>
</tr>
<tr>
<td>alcohols, aldehydes and ketones, carboxylic</td>
<td>drug molecules, synthetic routes)</td>
</tr>
<tr>
<td>acids, esters)</td>
<td>(9) Planning, Analysis and Evaluation</td>
</tr>
<tr>
<td>(11) Analytical techniques (infra-red</td>
<td></td>
</tr>
<tr>
<td>spectroscopy)</td>
<td></td>
</tr>
</tbody>
</table>

SPECIAL FEATURES:
A-level Chemistry demands the students to show competence in applying chemistry knowledge in novel contexts as well as planning and designing experiments. Students must be prepared to read more on their own to get a better understanding of the topics taught.

ASSESSMENT AND EXAMINATIONS:

<table>
<thead>
<tr>
<th>AS Level Chemistry (Lower Sixth)</th>
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</thead>
<tbody>
<tr>
<td>Paper</td>
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<tr>
<td>-------</td>
</tr>
<tr>
<td>1</td>
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<td>2</td>
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<td>3</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>A2 Level Chemistry (Upper Sixth)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Paper</td>
</tr>
<tr>
<td>-------</td>
</tr>
<tr>
<td>4</td>
</tr>
<tr>
<td>5</td>
</tr>
</tbody>
</table>

FUTURE EDUCATION AND CAREERS:
If you want any science-based career, then Chemistry keeps your options open. The specific type of job you will be qualified for will depend on which area in chemistry you focus on.
Some chemistry-based career pathways include Medicine, Dentistry, Veterinary Science, Researching, Chemical Engineering, Law, Environmental Chemistry, Forensic Science, Teaching and many others.
ENTRY REQUIREMENTS:

English Language grade A1 – D7 (Preferred)
Mathematics grade A1 - D7 (Preferred)

COURSE CONTENT:

The economic syllabus content has been refreshed and the seven topic areas in the 2015 syllabus has been reorganized and presented within five topic areas:

AS and A Level Syllabuses

1. Basic economic ideas and resource allocation
2. The price system and the micro economy
3. Government microeconomic intervention
4. The macro economy
5. Government macro intervention

Economics department encourages economics students to explore their subject in depth with a strong understanding of some of the key concepts. This will help them to make links with different topics and is critical to mastering the subject in order to prepare them well for university. Hence, students need to be proactive in pursuing knowledge by actively participate in class discussions, micro manage their time well, updates with current issues and do independent study etc.

SPECIAL FEATURES:

Weekly newspaper presentations, institutional visits, research and external competition such as BUBA and livewire, classroom discussions, debates and economics topics video clips supplements.

ASSESSMENT AND EXAMINATIONS:

The format of the exam is still the same except for paper 3 where the duration is increased by 15 minutes. The Cambridge A-level economics consists of the Advanced Subsidiary (AS) component which is made up of papers 1 and 2, while the Advanced Level (A2) component is made up of papers 3 and 4.

Advanced Level (includes Core Syllabus plus extension topics)

<table>
<thead>
<tr>
<th>Paper</th>
<th>Components</th>
<th>Duration</th>
<th>Number of Questions</th>
<th>Maximum Marks</th>
<th>Weight (% of total marks for the syllabus)</th>
</tr>
</thead>
<tbody>
<tr>
<td>AS P1</td>
<td>Multiple choice (core)</td>
<td>1 hour</td>
<td>30</td>
<td>30</td>
<td>20</td>
</tr>
<tr>
<td>AS P2</td>
<td>a) Data Response (Core)</td>
<td>1 hour 30 mins.</td>
<td>1</td>
<td>20</td>
<td>15</td>
</tr>
<tr>
<td></td>
<td>b) Structured Essay (Core)</td>
<td>1 from choice of 3</td>
<td>20</td>
<td>15</td>
<td></td>
</tr>
<tr>
<td>A2 P3</td>
<td>Multiple Choice (Extension)</td>
<td>1 hour 15 mins.</td>
<td>30</td>
<td>30</td>
<td>15</td>
</tr>
<tr>
<td>A2 P4</td>
<td>a) Data Response (Extension)</td>
<td>2 hours 15 mins.</td>
<td>1</td>
<td>20</td>
<td>10</td>
</tr>
<tr>
<td></td>
<td>b) Essay (Extension)</td>
<td>2 from a choice of 6</td>
<td>50</td>
<td>25</td>
<td></td>
</tr>
</tbody>
</table>

Internal Assessments:

LOWER SIXTH – PAPERS 1 AND 2 | UPPER SIXTH – PAPERS 3 AND 4
--- | ---
First Assessment | First Assessment
Second Assessment | Second Assessment
End of Year Exam | Mock Exam

FUTURE EDUCATION AND CAREERS:

A-level Economics will lead to many opportunities in university study locally or abroad including degrees in Economics, Public Policy, Business & International Law, Politics & Economics or Management. It also leads to many career opportunities. Students with an excellent grade in Economics will have good commercial potential in the job market. Possible careers: Finance Adviser, Analyst, Economist, Lecturer, Teacher, Business Consultant, Diplomat, Bank Officer, Marketing Officer, Researcher, Securities Broker, Actuary, etc.
ENTRY REQUIREMENTS:

Compulsory for all students who have grade A in English O level or IGCSE, unless they choose either Thinking Skills or AS English Literature. Students with B4 may also be accepted. It can also be taken in conjunction with A level English Literature but not with AS level English Literature.

COURSE CONTENT:

A-level English language is a very demanding course. Students will learn how to comment on written language and how to write in particular styles. They will also learn how to write essays in specific genres, giving a critical and informed response to texts in a range of forms, styles and contexts.

Students will learn to comment on the style and features of various types of text. This involves analysis of words, language features and grammatical features. They are encouraged to develop their critical faculties and sharpen these by actively participating in lessons. They will learn to read with understanding and analyse texts in a variety of forms and demonstrate a knowledge and understanding of English language (including spoken language) and its use in a variety of contexts. They will need to write clearly, accurately, creatively and effectively for different purposes and audiences.

Students will learn to write in the style of certain authors and to write narrative, descriptive and imaginative essays in a variety of genres. They will also learn to write more academic discursive and opinion essays. In addition they will analyse features of spoken text, write for specific purposes and also study topics related to language such as the psychology of language acquisition and the use of English in different countries around the world.

SPECIAL FEATURES:

Students taking A level English Language will sit Papers 1 and 2 at the end of Lower 6th and then sit Papers 3 and 4 in the Upper 6th. They will also have the opportunity to sit for the AS Level General Paper in the Upper 6th.

ASSESSMENT AND EXAMINATIONS:

Paper 1. Complete two commentaries and two directed writing tasks from a choice of three.
Paper 2. Write two essays of between 600-900 words in both imaginative and argumentative styles.
Paper 3. Write for a specific purpose and/or audience. They will also identify and analyse and compare distinguishing features of written and spoken language.
Paper 4. Write essays on language related topics.

FUTURE EDUCATION AND CAREERS:

A high level of English language fluency is required by all universities as a pre-requisite for entry. The Brunei Government requires its employees to have a high level of fluency in order to qualify for professional development and hence promotion. More and more jobs here in Brunei and around the world require English for communication purposes. In addition to this, careers in Law, Journalism, Medicine, Architecture, Engineering and Aviation all demand a high level of English competence. Indeed, English is a must and a qualification at A level English Language is proof of a very high standard. This would also be an ideal subject for anyone wishing to go into teaching as competent English language teachers are very much in demand in Brunei.
ENTRY REQUIREMENTS:

Compulsory for all students who have not yet gained a grade C or above in either O-level or IGCSE English.

COURSE CONTENT:

On entry to PTEM, students follow a comprehensive revision course to prepare them for the June examination in either IGCSE ESL or in O level English. After the results are published, any students who have gained a Grade C or above will begin the General Paper course with a view to taking the exam in June or November of U6th. Students who do not gain a credit, will follow the IGCSE ESL course and take this exam in the U6 year.

It must be stressed that students should take responsibility for their own learning. This involves a maximum exposure to the English Language through listening, speaking, reading and writing every day.

Students who do not gain a credit will find it hard to compete for places in tertiary education and will find career advancement somewhat curtailed.

SPECIAL FEATURES:

Students who achieve a grade C or above in either June or November of L6th will transfer to a GP group.
Students doing O-level will only be taught the course until June of their L6th year. From July onwards, they will be learning IGCSE ESL.

ASSESSMENT AND EXAMINATIONS:

IGCSE ESL Code 0510 involving the four skills of reading, writing, listening and speaking.

FUTURE EDUCATION AND CAREERS:

Please note that the IGCSE credit grade will enable students to enter university, being recognized as equal to the ‘O’ Level by all university admissions.

Fluency and high levels of competence are required by all tertiary institutions and most careers including work opportunities offered by the Brunei Government. Professional development and promotion often depend upon one’s English qualifications.
ENTRY REQUIREMENTS:

AS Literature is seen as an English course and therefore cannot be taken together with A-level Literature. This course is compulsory for students with grades A - C in their O-Level English (or IGCSE ESL) AND doing History as one of their A-level subjects.

COURSE CONTENT:

Students study four texts in the course of the one and a half years. They will study poetry, drama and prose fiction, learning the exclusive and shared features of these genres. Shakespeare is compulsory; normally one of the texts are from this author.

Students take the exam in May/June of the second year. Starting July in the second year the students will complete a General Paper course of which the examination will be taken in November of the same year.

The students sit for papers 3 and 4 for the examination. Paper three comprises poetry and prose – we study a selection of modern poetry and a novel (or sometimes a collection of short stories). Paper four comprises drama – we study one modern and one Shakespearian play.

SPECIAL FEATURES:

English Literature places great emphasis on students’ personal responses to the texts studied. The initial difficulties of understanding the texts can be focused on in class, but the response can only be developed independently – it is this response that is key to good results in assessment tasks and examinations; understanding of the meaning and knowledge of the storyline is presumed. The onus is on the student to read widely and thoughtfully, to research and develop a “broad” knowledge of the authors and their contemporaries. Group work and class discussions and presentations are features of the subject. Wherever possible, responses are stimulated with audio and video materials.

ASSESSMENT AND EXAMINATIONS:

Students are taught to write both critical and textual analysis essays:

Paper 3. Write two essays from a selection of poetry and prose.
Paper 4. Write two essays from a selection of play/drama.

FUTURE EDUCATION AND CAREERS:

A successful study of English Literature demonstrates a mature understanding of the language and a flexible mind. In particular, a sensitivity towards others is developed, and an acceptance of the differing values in other cultures. Many tertiary education courses can be followed, either in Literature or subjects requiring skilful handling of language, both in Brunei and overseas.

In career terms, a good qualification in English Literature benefits many occupations, from law to senior management, teaching to government service. Above all, the subject encourages communication skills, an understanding of the diversity of humanity, and questions what it is to be a human being.
ENTRY REQUIREMENTS:

Full A-level Literature is offered to students who obtain credits (A – C) in either O-level or IGCSE English.

COURSE CONTENT:

Students study eight texts in the course of the two years, four for the AS examination and another four for the A2 examination. Students take the AS exam in either November of the first year or in May/June of the second year and complete the A2 examination in the following November. Students will study poetry, drama and prose fiction, learning the exclusive and shared features of these genres. Shakespeare is compulsory; normally two of the texts are from this author.

This school selects papers 3 and 4 for the AS-level. Paper three comprises poetry and prose — we study a selection of modern poetry and a novel (or sometimes a collection of short stories). Paper four comprises drama — we study one modern and one Shakespearian play. Students are prepared for these papers during the first year.

In the second year, the A2 texts are studied. These texts are more difficult and the questioning in the papers more sophisticated. This school selects paper 5 as a compulsory A2 examination component. Paper five comprises a Shakespearian drama and one other pre-twentieth-century text (which may be drama, poetry or novel). Students can choose either another examination-based paper (paper 6) or a coursework (paper 8). Paper 6 comprises modern and contemporary texts which can be drama, poetry or novel. Paper 8 requires the students to write a mini-thesis of 3000 words on a literary text of their own choice.

SPECIAL FEATURES:

English Literature places great emphasis on students’ personal responses to the texts studied. The initial difficulties of understanding the texts can be focused on in class, but the response can only be developed independently — it is this response that is key to good results in assessment tasks and examinations; understanding of the meaning and knowledge of the storyline is presumed. The onus is on the student to read widely and thoughtfully, to research and develop a “broad” knowledge of the authors and their contemporaries. Group work and class discussions and presentations are features of the subject. Wherever possible, responses are stimulated with audio and video materials.

ASSESSMENT AND EXAMINATIONS:

Papers 3, 4 and 5 are compulsory. In their second year, students have the option between paper 6 and paper 8.

Students are taught to write both critical and textual analysis essays:
- Paper 3. Write two essays from a selection of poetry and prose.
- Paper 4. Write two essays from a selection of play/drama.
- Paper 5. Write two essays from a selection of Shakespeare’s plays and other pre 20th Century writing.
- Paper 8. Complete a coursework in the form of a thesis of 3000 words. Students choose their own text to study.

FUTURE EDUCATION AND CAREERS:

A successful study of English Literature demonstrates a mature understanding of the language and a flexible mind. In particular, a sensitivity towards others is developed, and an acceptance of the differing values in other cultures. Many tertiary education courses can be followed, either in Literature or subjects requiring skillful handling of language, both in Brunei and overseas.

In career terms, a good qualification in English Literature benefits many occupations, from law to senior management, teaching to government service. Above all, the subject encourages communication skills, an understanding of the diversity of humanity, and questions what it is to be a human being.
## ENTRY REQUIREMENTS:

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Grade</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>English Language</td>
<td>A1 – C6</td>
<td>Preferred</td>
</tr>
<tr>
<td>Food and Nutrition</td>
<td>A1 – C6</td>
<td>Preferred</td>
</tr>
<tr>
<td>Biology / Chemistry</td>
<td>A1 – C6</td>
<td>Preferred</td>
</tr>
<tr>
<td>Combined Science</td>
<td>A1-C6</td>
<td></td>
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</tbody>
</table>

## COURSE CONTENT:

The term Food Studies describes the critical examination of food and its contexts within science, culinary art, history, society and other related fields. It covers a wide range of areas and these include:

- Introduction to nutrition science and its role in health and society: nutrient characteristics, requirements, and food sources; energy balance and weight control; dietary guides and food planning; and social and economic factors that affect food production and consumption.
- The scientific study of food nutrients, their structure and nature, and their utilization in the body;
- Fundamental concepts of basic foods, food use, and preparation which include professional methods and skills in food preparation;
- Food safety, processing, and regulatory issues related to the role of microorganisms in food processing and preservation. The use of Hazard Analysis Critical Control Points (HACCP) to prevent contamination of food, equipment, and personnel;
- Current issues related to the role of diet in health and society: nutrient requirements; effects of dietary deficiencies, excesses, and imbalances; impact of social and economic influences on food production, marketing, and consumption.

## SPECIAL FEATURES:

Cookery Practical sessions provide an exposure to and excellent hands-on lessons on culinary skills, management in the food preparation, use of equipment, electrical appliances and special utensils in the food production areas. In addition it provides invaluable knowledge of preparing various healthy and nourishing meals for the family members.

Coursework investigation (Paper 3) will prepare students with basic skills required to do research in food-related areas during their further studies. Also visits to relevant food production sectors/food processing industries to gain more exposure and practical knowledge in food science and manufacturing/production. Successful candidates with excellent results will have the opportunity to further study in related fields.

## ASSESSMENT AND EXAMINATIONS:

- **1st Year**: Two assessment tests and an end-of-year examination;
- **2nd Year**: Two assessment tests and a mock examination with 2 papers (Paper 1: Theory & Paper 2: Planning & Cookery Practical Test);
- **A Level examination**: Paper 1: Theory (3 hours)  
  Paper 2: Planning (2 1/2 hours) & Cookery Practical (3 hours)  
  Paper 3: Coursework Investigation (2 years ongoing)

## FUTURE EDUCATION AND CAREERS:

A-Level Food Studies combined with other subjects can lead to a degree course majoring in Food Science. It also provides a preparation for other related degree courses including Nutrition/Dietetics, Biotechnology, Biochemist, Health Services, Food Technology, Biological Science, Agriculture, Hospitality and Catering, and teacher training in related areas.
ENTRY REQUIREMENTS:
Compulsory for all students who obtain grades B and C in either O-level or IGCSE English. The course will also be done in U6th by students who have completed the English A-level course, Thinking Skills or AS Literature in their L6th.

COURSE CONTENT:
General Paper seeks to develop the general knowledge of the students. The major focus is on current events and students must be prepared to follow with interest what is happening in the news. In order to do so they are encouraged to watch news and current affairs programmes, read newspapers and news magazines, and indeed read as widely as possible.

Much of the work is undertaken through discussion and students will make presentations and complete project work. In addition they will be responsible for doing research and surveys.

Broad topics are studied, for example, law, society, history, science and technology, sport, nutrition and human rights.

The course also seeks to develop language and language skills; increasing the vocabulary of the students is of primary importance.

One major skill which is thoroughly developed is the writing of discursive, academic essays. This is very useful as students pursue their studies at university. Independence and originality of thought are also promoted as is the development of opinion and the ability to both express and defend one’s opinion. Indeed, one of the main aims of the course is to prepare students for university.

SPECIAL FEATURES:
General Paper prepares you for seminars and tutorials at university.

ASSESSMENT AND EXAMINATIONS:
The June Exam consists of one paper of two essays.

The November exam consists of two papers: one essay paper of 1 hour 15 minutes and one paper of 1 hour 30 minutes which covers reading comprehension and data response. The essay length is between 500-800 words.

UCAS (Centre for entry application to UK universities) uses the GP examination as an indication of international students’ English ability.

FUTURE EDUCATION AND CAREERS:
General Paper serves as a sound basis for life at university. It develops the key skills of research and essay writing. It also helps students to cope with the demands of communicating in English and this includes discussion and expressing opinions.

Universities and most careers demand high level English fluency, no matter what course or sector is involved. General Paper helps students compete in these areas.
ENTRY REQUIREMENTS:

Geography grade A1 – C6 (Essential)
English Language grade A1 – C6 (Preferred)

COURSE CONTENT:

In the first year (AS) year, students study three physical core topics of:
- Hydrology and fluvial geomorphology,
- Atmosphere and weather,
- Rocks and weathering, and
three human core topics of:
- Population,
- Settlement dynamics,
- Migration
All topics are compulsory.
Key features and concepts of each topic are studied using written material, diagrams, models, statistics, graphs and maps, and illustrated with case studies.
Some field trips may be conducted to allow students to view concepts in the real world.

In the second year (A2) year students study two human options, from a choice of four:
- Economic transition,
- Global interdependence,
- Production, location and change,
- Environmental management, and
two physical options from the four on offer:
- Tropical environments,
- Coastal environments,
- Arid and semi-arid environments, (not covered at this school)
- Hazardous environments.
Whereas AS topics deal with general geographic concepts, A2 allows a more in-depth coverage of material and allows classes to choose issues of interest.
Some field trips may be conducted to allow students to view concepts in the real world.

SPECIAL FEATURES:

Geography is inclusive; skills and content from other subjects frequently relate to geographic concepts and vice versa.
Some field trips may be offered. These may involve some small costs for transport.

ASSESSMENT AND EXAMINATIONS:

AS Geography has no multiple choice questions and few short answers questions. Essays are the main format used in examinations thus good English writing skills are of major importance.
Various assessment techniques, including common testing, are used periodically throughout the course to monitor student progress.
The school conducts its own examinations towards the end of each year.
Cambridge AS and A2 examinations (3 hours, and 1½ + 1½ hours respectively) are held in June and November of each year (An A-level grade consists of a 50% AS component plus a 50% A2 component).

FUTURE EDUCATION AND CAREERS:

Geography offers good career prospects. Concepts, and skills such as data collection, analysis and presentation, that are covered in Geography are applicable across a wide range of job opportunities which may include: urban, environmental and resource planning, geosciences including Petroleum Geology and Meteorology, policy development, Tourism, and teaching.
In addition, Geography equips individuals with transferrable knowledge, skills and attitudes through which they can better appreciate and manage the environment in which they live.
ENTRY REQUIREMENTS:
English Language grade A1 – B4 (Strongly Preferred)

COURSE CONTENT:
The A-level course is completely different to the History studied at O-level and in Lower Secondary. The course involves a lot of reading, discussion and argument. 40% of the examination is source-based.

Component 1: The Search for International Security 1919 - 1945
This paper is a document, source-based question and examines the international situation between the two World Wars. Students require a good standard of English in order to do well.

Component 2: Modern Europe 1789-1917
This is an outline study paper. We will study at least two of the following three: The Origins of the First World War 1900-1914, the Russian Revolution 1905-1917 and the Industrial Revolution c.1800-1850.

Component 3: The Cold War 1941-1950
This is a source-based, interpretation question and requires a good standard of English.

This paper examines the growth of suspicion after the Second World War.

Component 4: Europe of the Dictators 1918-1941. We will study Hitler, Stalin and Mussolini.

This course is not suitable for students with a 7 or 8 in G.C.E ‘O’ Level English due to the demand of the two source-based papers.

SPECIAL FEATURES:

40% of this course consists of a compulsory, source-based question. Students are asked to examine several sources and to comment on their reliability and their true meaning. A high level of English is required to understand and to interpret the sources.

ASSESSMENT AND EXAMINATIONS:

There are four papers. Two can be taken in the Lower 6th and two in the Upper Sixth. Answers will be written in essay form.

FUTURE EDUCATION AND CAREERS:

A-level History can be used as a qualification for a wide range of careers including Law, the Armed Forces, Journalism, Management, Teaching, Politics, the Diplomatic Service and Administration.

The course helps students to develop a variety of skills such as critical thinking, essay writing, researching and synthesizing information.
ENTRY REQUIREMENTS:

Essential Requirement:
GCE ‘O’ Level Mathematics grade A1 – C6 OR
IGCSE Mathematics (Extended stream) grade A - C

Preferred Requirement:
Additional Maths grade A1-C6

COURSE CONTENT:

All first year students study two papers of Mathematics:
i. Pure Maths – algebra, trigonometry, geometry, calculus, number series
ii. Statistics – probability, collecting and analysing research data, permutations and combinations, binomial and normal distributions

Students are expected to sit the two AS papers at the end of Year 1. We have found that students who follow this advice have a much better success rate. Classes follow a work scheme that prepares them in time.

The second year course is a lot more advanced and requires a good foundation for success.

The friendly Mathematics Department teachers are very willing to discuss any questions with you, and help as you plan your course selection.

SPECIAL FEATURES:

You are encouraged to take part in the Australian Maths Competition. Experience and success in problem solving are valuable assets in the modern work force.

ASSESSMENT AND EXAMINATIONS:

AS Examination – first year
Pure Maths 1 (75 marks) Probability & Statistics 6(50 marks)
A2 Examination – second year
Pure Maths 3 (75 marks) Mechanics 4 or Statistics 7 (50 marks)

FUTURE EDUCATION AND CAREERS:

Mathematics is a popular and rewarding subject, familiar to all. It complements other A-level courses, building a foundation that is helpful or even essential for a wide range of tertiary studies.

This course aims to increase your enjoyment and confidence in Mathematics so that you are able to choose one of the many careers that involve its further study. You will also develop your ability to think critically and logically, learning skills needed to analyse and solve problems. This is useful in many of life’s challenges.
ENTRY REQUIREMENTS:
Physics grade A1 – C6 (Essential)
Mathematics grade A1 – C6 (Preferred)

COURSE CONTENT:
Physics involves the study of the laws and principles that govern the universe. Essentially we learn about the properties of energy and matter. It is a course of study for those who enjoy solving problems and wish to learn about how things work.

The syllabus consists of core and practical skills. The core has six sections: General Physics, Newtonian Mechanics, Matter, Oscillations & Waves, Electricity & Magnetism and Modern Physics.

Practical skills include Planning, Manipulation - measurement and observation, Presentation of data and observations and Analysis - conclusions and evaluation. About 20% of the students’ class time will be spent doing practical work.

SPECIAL FEATURES:
Students may have the opportunity to join the Energy or Robotics competition which are both valuable experience and fun.

ASSESSMENT AND EXAMINATIONS:

<table>
<thead>
<tr>
<th>Paper</th>
<th>Type of Paper</th>
<th>Duration</th>
<th>Marks</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>AS Multiple Choice</td>
<td>1 h</td>
<td>40</td>
</tr>
<tr>
<td>2</td>
<td>AS Structured Questions</td>
<td>1 h</td>
<td>60</td>
</tr>
<tr>
<td>3</td>
<td>AS Advanced Practical Skills</td>
<td>2 h</td>
<td>40</td>
</tr>
<tr>
<td>4</td>
<td>A2 Structured Questions</td>
<td>2 h</td>
<td>100</td>
</tr>
<tr>
<td>5</td>
<td>A2 Planning Analysis and Evaluation</td>
<td>1h15min</td>
<td>30</td>
</tr>
</tbody>
</table>

FUTURE EDUCATION AND CAREERS:
Physics opens up opportunities in Engineering, Geophysics, health related courses and technology sectors including Computing, Communications and Aviation.

Physics is relevant for several BSc majors at UBD and for entry to the B Health Science degrees. Physics is also required for engineering degrees and some HNDs at ITB.
ENTRY REQUIREMENTS:

English Language grade A1 – C6 (Preferred)
Applicants with other grades are required to have interview with the HOD

COURSE CONTENT:

Psychology is the scientific study of human behaviour and mental processes. Four major goals of psychology are to describe human thought and behaviour; explain why these behaviours occur; predict how, why and when these behaviours will occur again in the future and to modify and improve behaviours to better the lives of individuals and society as a whole.

The AS course focuses on 20 core studies by leading psychologists which examine 5 major approaches to Psychology – physiological, cognitive, developmental, social and individual differences. The course requires students to develop critical analysis of several themes and perspectives surrounding the core studies such as methodology, issues and debates. The core studies will cover areas such as memory, learning and child development.

The A2 course examines how psychological theory and research are applied in various areas of life. Students will focus on two specialist options out of the following areas: Education, Health, Abnormality, Environment and Organisation. We will look at the two selected options with less depth but much more breadth. Students should bring forward from AS what they have learnt about methodology, issues and debates and consider how they apply to the A2 specialist options.

Students should have a strong inclination to engage in critical thinking. They should be willing to consider the issues from several points of view and to elaborate their arguments in extended essay form. Having an interest in people and current issues affecting everyday human behaviour can help students actively participate in class activities. It should be emphasised the students will be required to do a lot of reading in this course therefore a high level of competency in the English language will be an advantage.

SPECIAL FEATURES:

Group and class discussions, presentations on selected topics and project work. There may be visits to relevant local institutions and/or invited speakers from institutions relevant to psychological studies.

ASSESSMENT AND EXAMINATIONS:

In the first year, there will be assessments, presentations and the end-of-year examinations. In the second year, the students will sit for assessments and the mock exams before sitting for the Cambridge papers.

There will be two papers for AS and one paper for A2 in the Cambridge examinations.

FUTURE EDUCATION AND CAREERS:

A-Level Psychology combined with other science subjects can lead to a degree course majoring in Psychology. It is valuable in preparing students for other degree courses including teacher training, social science degrees, business studies and management.

Psychology can also be an asset for careers in the police force, nursing and other caring professions, journalism, advertising, retail and human resource management.
ENTRY REQUIREMENTS:

English Language grade A1 – C6 (Preferred)
Applicants with other grades are required to have interview with the HOD.

COURSE CONTENT:

Sociology is described as the study of people in society. It involves applying a number of theories and concepts to social phenomena such as families & households and education. It also includes studying sociological research methodologies, the stratification of society and other interesting issues.


Candidates should have a strong liking for reading and an ability to write essays. They should also be very interested in people, in their various cultural contexts and current issues affecting everyday society. Participation in classes is essential and consistent work is required for students to do well in this subject.

SPECIAL FEATURES:

Student presentations and some project work are included with outside school visits arranged.

ASSESSMENT AND EXAMINATIONS:

For the AS course, there are two 1½ hours papers, each comprising one long essay and one data response question. The third paper examines A2 content and is three hours long where students have to complete six essays.

FUTURE EDUCATION AND CAREERS:

Sociology is a major for a BA degree at UBD. It also provides a very useful preparation for other courses including teacher training, social science degrees, law, business studies and management. Sociology can be an asset for careers in the Police, Nursing, Social services and other caring professions, Journalism, and Advertising.
ENTRY REQUIREMENTS:
Pengetahuan Agama Islam grade A1 – C6 (Kemestian)
Tamat dalam persekolahan Ugama dan Lulus dalam Peperiksaan Darjah VI (Kelebihan)

COURSE CONTENT:

Pelajaran ini terbahagi kepada dua kertas:

Kertas 1 mengandungi 2 bahagian:
- Bahagian A : MUAMALAT
- Bahagian B : MUNAKAHAT

Bahagian Muamalat kebanyakannya membicarakan masalah-masalah umum di dalam kehidupan harian, misalnya dalam masalah jualbeli, riba, gadaian, Syarikat, jihbah, waqaf, wasiat, faraidh.

Bahagian Munakahat membicarakan soal kehidupan di dalam rumah tangga misalnya dalam hal pembinangan, perkahwinan, hidup bersuami isteri dan lain-lain yang berhubung dengannya.

Kertas 2 juga mengandungi dua bahagian:
- Bahagian A : SEJARAH PERUNDANGAN ISLAM
- Bahagian B : USUL FIQH


Bahagian Usul Fiqh menghuraikan cara-cara pengambilan hukum dari dalil-dalil yang sahih, membahaskan kaedah-kaedah hukum syarak juga menjelaskan sumber hukum Islam yang tidak disepakati.

ASSESSMENT AND EXAMINATIONS:

- **Kertas 1:** Bahagian A: Muamalat dan Faraidh (5 soalan) & Bahagian B : Munakahat (4 soalan)
- **Kertas 2:** Bahagian A : Sejarah Perundangan Islam (5 soalan) & Bahagian B : Usul Fiqh (4 soalan)

(Calon wajib menjawab 5 SOALAN, 3 soalan dari Bahagian A dan 2 soalan dari Bahagian B)

Peruntukan masa: 3 jam bagi setiap kertas.
Pemarkahan: Markah penuh 100%. Bahagian A (60%) dan Bahagian B (40%)

FUTURE EDUCATION AND CAREERS:

- ✅ Peluang untuk meneruskan/melanjutkan pelajaran ke peringkat yang lebih tinggi seperti KUPU SB. Walaupun peluang untuk memasuki UBD adalah terhad, tetapi matapelajaran syariah juga mempunyai kelebihan sebagai subjek bantuan dalam mengikuti kursus-kursus di UBD.
- ✅ Bagi pelajar yang ingin mengikuti kursus sarjana Muda Syariah di UNISSA dalam bidang “Business” aliran “English” mestilah lulus dalam matapelajaran Bahasa Arab GCE O-level, ‘Syariah’ dan satu “English Subjekt”.
ENTRY REQUIREMENTS:

English IGCSE or O-level grades A to C students. Students should also have Grade A or B in O level Maths. If students appear to be struggling at an early stage, the department reserves the right to transfer them to another English class.

COURSE CONTENT:

Thinking Skills develops a specific set of intellectual skills, independent of subject content. These involve Problem Solving, Critical Thinking, Problem Analysis and Solution and also the Construction of a Reasoned Argument.

SPECIAL FEATURES:

This is the fifth year that PTEM will be offering this subject. It takes the place of the English language component. Paper 1 is multiple choice and Paper 2 does not assess English expressions. Paper 3 and 4 are extensions of paper 1 and 2.

ASSESSMENT AND EXAMINATIONS:

- Paper 1: AS level. Problem Solving. 1½ hours, multiple choice.
- Paper 2: AS level. Critical Thinking. 1¾ hours, three structured questions.
- Paper 3: A level. Problem Analysis and Solution. 1½ hours, four structured answer questions.
- Paper 4: A level. Applied Reasoning. 1½ hours, four questions, one requiring an extended response.

FUTURE EDUCATION AND CAREERS:

It is beneficial to all students in further education. It is relevant to a wide range of careers including law, scientific research, social science, journalism, medicine, business accounting and engineering.
**ENTRY REQUIREMENTS:**

<table>
<thead>
<tr>
<th>Grade Level</th>
<th>Requirement</th>
<th>Preferred Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>English Language</td>
<td>A1-C6</td>
<td>A1-C6</td>
</tr>
<tr>
<td>Geography</td>
<td>A1-C6</td>
<td>A1-C6</td>
</tr>
</tbody>
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**COURSE CONTENT:**

In the first year (AS) students study two papers of:
- the Core, which itself consists of three parts:
  - the features of travel and tourism
  - the management and development of tourist destinations, and
  - the principles of customer service
  [This paper counts for 70% of the AS grade].
- Planning and Managing a Tourist Event.
  [This paper is internally assessed, but externally moderated, and based upon the actual staging of a tourist event. This paper is worth 30% of the AS grade].

The second year (A2) course comprises of two papers:
- International Business and Leisure Travel Services
- Specialised Tourism
[Each paper generates 50% of the A2 grade]

Principles studied in the AS or first year reappear and are applied in the A2 year.
Note that this course may require some study out-of-school which may occur during school holidays.
There will be some costs associated with this course for transport and for the practical event.

**SPECIAL FEATURES:**

- Internal assessment, moderated, to the value of 15% of the total A-level mark.
- The chance to plan and stage an event.
- Some out-of-school trips.

**ASSESSMENT AND EXAMINATIONS:**

Various assessment activities will be conducted throughout the year. The school holds formal examinations, based on Cambridge formats, at each level, towards the end of the year.
30% of the AS course is internally assessed and based on the planning and management of a tourist event. Each student must prepare a portfolio which is sent to Cambridge for assessment.
Cambridge examinations are held in June and November each year. It is hoped that all students in this subject will sit the Cambridge AS examinations in June of their second year of study and the A2 examinations at the end of the same year.
Four papers make up the full A-level Travel and Tourism course and all must be passed to be awarded a “A” level grade. Both the AS and A2 components contribute 50% each to the final grade.

**FUTURE EDUCATION AND CAREERS:**

Travel and Tourism is widely taught overseas. With the introduction of new courses into UBD it is hoped that Travel and Tourism will soon be on offer locally.
Tourism is a potential growth area within Brunei and is being promoted as part of the diversification of the economy away from dependency on oil and gas. Students with qualifications in this area could well be entering the industry at an opportune time.
Other careers related to Travel and Tourism could include journalism, economic and environmental planning, data analysis, and hospitality.
In addition, Travel and Tourism will hopefully equip individuals with knowledge and skills to better manage, appreciate, and act within, local environments and communities.
ENTRY REQUIREMENTS:

Pengetahuan Agama Islam grade A1 – C6 (Kemestian)
Tamat dalam persekolahan Ugama dan Lulus dalam Peperiksaan Darjah VI (Kelebihan)

COURSE CONTENT:

Pelajaran ini terbahagi kepada dua kertas:

Kertas 1 mengandungi 2 bahagian:
- Bahagian A : TAUHID
- Bahagian B : TASAUF DAN FALSAFAT

Bahagian Tauhid kebanyakannya membicarakan rukun iman, keesaan Allah, kewujudan malaikat, rasul-rasul, kitab-kitab dan perkembangan pelbagai mazhab dalam ilmu Tauhid.

Bahagian Tasauf dan falsafat. Menghuraikan pengertian tasauf dan perkembangannya, perbezaan antara syariat, tarikat, hakikat dan makrifat, tafsiran wihdatul wujud, liqa dan rukyah, pengajaran kerohanian dalam kehidupan dan menjahui perbuatan yang boleh membawa kecelakaan serta perkembangan falsafah Islam.

Kertas 2 juga mengandungi dua bahagian:
- Bahagian A : ULUM AL-QURAN & MUSTALAH HADITH
- Bahagian B : TAFSIR & HADITH

Bahagian Ulum Al-quran dan Mustalah Hadith membicarakan perbezaan ayat makkiyah dan madaniyah, sejarah pengumpulan al-quran dan cara pembentukannya, kedudukan hadith sebagai sumber hukum ke 2, cara pengumpulan dan penggunaan istilah dalam hadith.

ASSESSMENT AND EXAMINATIONS:

- **Kertas 1:**
  - Bahagian A : Tauhid (5 soalan)
  - Bahagian B : Tasauf dan falsafat (4 soalan)

- **Kertas 2:**
  - Bahagian A : Ulumul Quran dan Mustalah Hadith (5 soalan)
  - Bahagian B : Tafsir dan Hadith (4 soalan)

{Calon wajib menjawab 5 SOALAN, 3 soalan dari Bahagian A dan 2 soalan dari Bahagian B}

**Peruntukan masa:** 3 jam bagi setiap kertas.

**Pemarkahan:** Markah penuh 100%. Bahagian A (60%) dan Bahagian B (40%)

FUTURE EDUCATION AND CAREERS:

✓ Pelajar yang mendapat keputusan yang cemerlang dalam matapelajaran usuluddin atau adalah syarat utama kemasukan ke KUPU SB, seperti Diploma tertinggi dalam Pengajian Islam, tetapi bagi yang mempunyai kelulusan kedua-duanya boleh mengikuti program Sarjana Muda Pengajian Islam.


Head of Department
Cikgu Hjh Norsiah
Hj Amin