

## YEAR 1 GSMS – KEY TOPICS FOR EACH MODULE

### Note:

1. For **Year 1 SAS, SBM & SDM** students taking elective GSM in **AY2024S1**.
2. You are required to select GSM/s offered to your school.
3. You are **NOT** allowed to select GSM/s from your own school.
4. ALL students are allowed to select modules offered by CENTRE FOR FOUNDATION & GENERAL STUDIES.
5. Please refer to the table for more information.

No.	School / Module Code / Title	Module Description	Key Topics Covered
1	<i>School of Applied Science</i> <b>ASX111</b> Science Behind Skin Care	We're all conscious about the need to take care of our skin. But what is the routine that's right for your skin type? Have you ever wondered whether more expensive skin care products do a better job than the cheaper brands?  This module will enlighten you on what goes into a skincare product and what is the chemistry involved. Discover the many myths as well as facts about skin care!	<ul style="list-style-type: none"> <li>• Physiology of the skin</li> <li>• Classifications of skin types</li> <li>• Science behind skin care products.</li> <li>• Skin care routine and its rationale</li> </ul>
2	<i>School of Applied Science</i> <b>ASX112</b> Understanding Our Environment	Our rapidly expanding population and industrialising of the world has brought an unprecedented stress on our planet. Global warming? Ocean acidification? Water shortages? Loss of biodiversity? Desertification?  This module will help you appreciate and understand important and current issues about the environment, and its relationship with our daily lives.	<ul style="list-style-type: none"> <li>• Challenges &amp; strategies for more sustainable development</li> <li>• Our global energy use and trends</li> <li>• The world's water usage trends</li> <li>• Water pollution &amp; water resource management</li> <li>• Link between solid waste problem &amp; global urbanization</li> </ul>

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3	<b>School of Business Management</b> <b>BMX111</b> Psychology of Mass Media	<p>A Singaporean teenager spent more than \$10,000 of her savings in a year on JYJ, her favourite Korean pop group:</p> <p>Is this a result of media influences? Discover the relationship between media and human behaviour using real-life examples. You will also gain insights into what drives media consumption and its impact on everyday life.</p>	<ul style="list-style-type: none"> <li>• Media Violence</li> <li>• Effects of Advertising</li> <li>• Media &amp; Adolescents</li> <li>• Fandom &amp; Parasocial Interaction</li> <li>• Media Stereotyping</li> </ul>
4	<b>School of Business Management</b> <b>BMX112</b> Accounting for Beginners	<p>Are you overwhelmed by numbers in a company's financial statements? Or perhaps, you want to be your own boss someday?</p> <p>This module will equip you with the knowledge of basic accounting concepts, and how to read published financial statements.</p>	<ul style="list-style-type: none"> <li>• Basic accounting terms and concepts</li> <li>• Recording business transactions using accounting equation</li> <li>• Prepare simple financial statements</li> <li>• Basic analysis of financial statements</li> </ul>
5	<b>School of Business Management</b> <b>BMX113</b> Marketing Essentials	<p>Ever wondered why the Apple iPhone is so popular? How does SIA maintain its reputation as one of the world's best airlines?</p> <p>This module will help you answer these questions and more. Learn the 4 Ps of marketing and find out through real live case studies how big brands such as Coke, McDonalds, Samsung, Louis Vuitton, etc. compete for the hearts, minds and wallets of their customers!</p>	<ul style="list-style-type: none"> <li>• The 4 Ps of Marketing</li> <li>• Basics of Brand Management</li> <li>• Understanding Consumer Buying Behaviour</li> <li>• Market Segmentation, Targeting &amp; Positioning</li> </ul>

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6	<b><i>School of Business Management</i></b> <b>BMX114</b> Business Sustainability	Explore essential concepts and practices of sustainability within the corporate world. Learners will gain foundational insights into sustainability, its relevance to business, and how sustainable practices can drive success, innovation, and responsible business operations.	<ul style="list-style-type: none"> <li>• Overview of Sustainability</li> <li>• Sustainable Business Practices</li> <li>• Sustainability Leadership</li> </ul>

No.	School / Module Code / Title	Module Description	Key Topics Covered
7	<b>School of Design &amp; Media</b> <b>DXX111</b> Digital Photography	You love taking photos with your smart phone but haven't quite figured out how to capture anything more than a simple snapshot. Well, now you can learn to shoot better pictures in terms of composition, natural lighting, colour and angle in this module. The only requirement? A camera handphone!	<ul style="list-style-type: none"> <li>• Elements of Stronger Photos</li> <li>• Compose with confidence</li> <li>• Lighting as a emotive tool</li> <li>• Post Process your photos in mobile</li> </ul>
8	<b>School of Design &amp; Media</b> <b>DXX112</b> Art & Mindfulness	You are chill with your unique talent in expressing art and emotions through different mediums and techniques. This module focuses on non-striving and non-judging, i.e., mindfulness practices that engage learners now and reduces stress in an intuitive non-outcome-based session. The fun thing is that there is no wrong way to do it; show up and allow yourself to be curious about your environment. This module provides experiential learning knowledge through proven demonstrations and thoughtful guidance in sketching your world.	<ul style="list-style-type: none"> <li>• Ensure good consistency for colour pigments</li> <li>• Prepare drawing papers for different types of work</li> <li>• Apply mindfulness breathing techniques for self-awareness and self-expression</li> <li>• Engage in simple mindfulness techniques that increase creativity</li> </ul>
9	<b>School of Design &amp; Media</b> <b>DXX113</b> The Story of Animation	Don't miss this module if you are a cartoon enthusiast. This module will bring you on a journey of discovery as you appreciate some of the most important masterpieces of Animation and understand better the different Animation medias, techniques and trends.	<ul style="list-style-type: none"> <li>• The genesis</li> <li>• Animation throughout the ages</li> <li>• Animation in different continents</li> <li>• Modern Animation</li> </ul>

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10	<b>School of Design &amp; Media</b> <b>DXX114</b> Urban Sketching	<p>Are you curious about the amazing buildings, hidden gems, and fascinating people in our city? This module will take you on an exciting adventure to explore and capture the urban environment visually for the next generation! In this interactive module, explore the expression of ideas on paper through drawing and storytelling by discovering different places of interest. Get ready to go outside the classroom and explore the built environment with a journal, a keen eye, a fast hand, sunscreen, and a hat. Here's to capturing snapshots of these urban adventures together and the creation of a visual diary that tells our story!</p>	<ul style="list-style-type: none"> <li>• Different drawing media</li> <li>• Expressions of ideas visually through your drawings</li> <li>• Application of drawing techniques to compose a scene</li> <li>• Telling a story</li> </ul>
11	<b>School of Design &amp; Media</b> <b>DXX115</b> Navigating Design Sustainability	<p>Do you wish to know how shoes or trainers are made from ocean plastic, or how products can be made from used coffee ground? Dive into “Navigating Design Sustainability”, an exciting module offered by The School of Design and Media. This module introduces you how to combine aesthetics and function with eco-friendliness, changing how you think about making things from the start. Learn about circular design principles and how to create designs that look great and are beneficial for our planet. This module is perfect for beginners or anyone who wants to learn more on how to positively impact the world through design.</p>	<ul style="list-style-type: none"> <li>• Foundations of Sustainable Design               <ul style="list-style-type: none"> <li>○ Understand the core principles that guide eco-friendly designs</li> </ul> </li> <li>• Circular Design concepts               <ul style="list-style-type: none"> <li>○ Learn how to design with the lifecycle in mind, from inception to rebirth</li> </ul> </li> <li>• Industry insights               <ul style="list-style-type: none"> <li>○ Gain perspectives on current trends and future directions in sustainable design</li> </ul> </li> </ul>

No.	School / Module Code / Title	Module Description	Key Topics Covered
12	<b>School of Engineering</b> <b>EGX111</b> Introduction to Quadcopters	<p>A quadcopter is a multi-rotor aerial vehicle that is applied in diverse scenarios, like aerial photography/videography, inspections, surveillance, entertainment and even racing sports. Quadcopters have gained popularity due to their affordability and ease of control. More enthusiasts are taking up flying quadcopters as a hobby.</p> <p>Students will receive hands-on experience on assembly, calibration of the flight controller and piloting their assembled machines.</p>	<ul style="list-style-type: none"> <li>• Introduction <ul style="list-style-type: none"> <li>○ Working principles of a quadcopter</li> <li>○ Safety measures</li> <li>○ Singapore regulations on flying quadcopters</li> </ul> </li> <li>• Choosing components for quadcopter</li> <li>• Construction and tuning parameters of quadcopter</li> <li>• Learning to pilot quadcopter</li> </ul>
13	<b>School of Engineering</b> <b>EGX112</b> 3D Print Your Design	<p>3D printing is having significant impact on the way many products are being manufactured. The technology has potential to become the largest and most significant application in the coming years. This module covers 3D printing and its endless possibilities, including practical skills for the creation of 3D objects using the technology.</p>	<ul style="list-style-type: none"> <li>• Digital Model Creation</li> <li>• Workflow and 3D Printing</li> <li>• 3D Printing Categories</li> <li>• 3D Printing Applications and Materials</li> </ul>
14	<b>School of Engineering</b> <b>EGX113</b> Harvesting Green Energy	<p>Play a part in preserving our planet for the sake of our future generations. The world is increasingly looking to environmentally friendly and sustainable energy sources to meet future energy demands. Green energy sources, such as solar and wind energy, can be used to meet the world's (and Singapore's) growing energy needs, while ensuring environmental sustainability. Through this module, you will be able to better understand how green energy helps to reduce our carbon footprints.</p>	<ul style="list-style-type: none"> <li>• Overview of Energy Supply in Spore</li> <li>• Introduction to Different Green Energy Sources</li> <li>• Harvesting and Storage of Green Energy</li> <li>• Introduction to Applications of Green Technologies and Measures</li> </ul>

No.	School / Module Code / Title	Module Description	Key Topics Covered
15	<i>School of Engineering</i> <b>EGX114</b> Appreciation of Smart Technology in Daily Life	Singapore is constantly being referred to as a smart nation, but what exactly does that mean? In this module, you will learn about the key technology enablers and business opportunities involved in employing technology on a large scale, as well as the social benefits created by our smart nation.	<ul style="list-style-type: none"> <li>• Intro to smart cities</li> <li>• Why we need smart cities</li> <li>• Internet of Things</li> <li>• Case studies---developments in various countries like Japan, Singapore, Indonesia, India, China, South Korea, Spain and the Netherlands</li> </ul>

**Note:** For all SEG modules mentioned above, no background knowledge of Physics is required.

No.	School / Module Code / Title	Module Description	Key Topics Covered
16	<b>School of Health &amp; Social Science</b> <b>HSX111</b> Basic Sign Language	Sign languages are one of the most important and accessible means of communication for the vast majority of deaf and people who are hard-of-hearing. This module will enable learners to communicate and participate in simple conversations with the deaf communities. In addition, you will be introduced to the history of sign language, its traditions and cultures, and will have a better understanding on how to integrate with individuals with hearing loss. You will also develop an awareness of and sensitivity to the deaf culture and learn to accommodate diversity and contribute to universal inclusion.	<ul style="list-style-type: none"> <li>• Deaf awareness               <ul style="list-style-type: none"> <li>○ Types and varieties of sign language</li> <li>○ Deaf culture and behaviour</li> </ul> </li> <li>• Art of signing               <ul style="list-style-type: none"> <li>○ Manual alphabet</li> <li>○ Numbers</li> <li>○ Time &amp; clock</li> </ul> </li> <li>• Conversation &amp; communication strategies               <ul style="list-style-type: none"> <li>○ Greetings and introductions</li> <li>○ Facial expressions and body language</li> <li>○ Feelings and mental actions</li> </ul> </li> </ul>
17	<b>School of Health &amp; Social Science</b> <b>HSX112</b> Sustainability in Health & Social Care	Sustainability is not a destination but a journey. Since independence, sustainable development has been integral to Singapore's nation-building where policies have been designed with long-term sustainability in mind. Learners are provided an overview of Singapore's approach and commitment to this, with particular focus on health and social care. Gain insights to these practices and be challenged to come up with ways on how you can support and/or contribute whilst improving health and social care services.	<ul style="list-style-type: none"> <li>• Introduction to Singapore's approach to sustainable development in health and social care</li> <li>• Initiatives and/or policies implemented by Government and other organisations</li> <li>• Challenges and opportunities for sustainable development</li> <li>• Role of health and social care professionals in promoting long-term sustainability</li> <li>• Experiential learning in the community</li> </ul>



No.	School / Module Code / Title	Module Description	Key Topics Covered
18	<b>School of Information Technology</b> <b>ITX111</b> Computational Thinking for Everyday Life	<p>In an age of increasing complexities, having the skills to tackle multi-faceted problems will prove invaluable in life and the workplace.</p> <p>This module uses a computational thinking framework to help you enhance and reinforce your intellectual and problem-solving skills so that you are ready to face and solve everyday work and life issues!</p>	<ul style="list-style-type: none"> <li>• Key Concepts of Computational Thinking</li> <li>• Application of Computational Thinking</li> <li>• Problem Solving Process</li> </ul>
19	<b>School of Information Technology</b> <b>ITX112</b> The Importance of Cyber Security	<p>With the proliferation of digital data in the 21st century, companies and individuals are facing an increasing challenge in making their data secure yet available. Join the adventure in discovering more about cyber security and how you play your part in avoiding, mitigating and defending against cyber threats in today's technologies and applications.</p>	<ul style="list-style-type: none"> <li>• Cyber security trend</li> <li>• Case study of security incidents</li> <li>• Protection               <ul style="list-style-type: none"> <li>○ Virus and Worms</li> <li>○ Cyber Web Attack</li> <li>○ E-mail &amp; IM</li> </ul> </li> <li>• What is Encryption</li> <li>• Protect your documents, ID, personal information</li> <li>• Related Law in Singapore</li> </ul>
20	<b>School of Information Technology</b> <b>ITX113</b> Create Professional Business Documentations	<p>Ever feel that you have an ingenious idea but do not know how to put up a proposal in written form?</p> <p>In this module, you will learn the tips &amp; tricks to enhance your word processing skills using Microsoft Word and create professional-looking documents to impress.</p>	<ul style="list-style-type: none"> <li>• Create References</li> <li>• Protect and Share Documents</li> <li>• Advanced styles &amp; formatting</li> <li>• Manage Forms, Fields and Mail Merge Operations</li> <li>• Create Custom Word Elements</li> <li>• Prepare Document for Internationalization and Accessibility</li> </ul>

No.	School / Module Code / Title	Module Description	Key Topics Covered
21	<b><i>School of Information Technology</i></b> <b>ITX114</b> Digital Technologies for Sustainability	Discover how digital technologies can tackle sustainability challenges and help achieve sustainability goals in our fast-paced world. This module uses real-world case studies spanning sectors like renewable energy, sustainable agriculture, and waste management to witness digital solutions in action. You will gain valuable insights into the environmental and social impacts of these technologies, and pinpoint digital technologies for promoting sustainability.	<ul style="list-style-type: none"> <li>• Environmental Sustainability</li> <li>• Social Sustainability</li> <li>• Economic Sustainability</li> <li>• Digital Technologies</li> <li>• Data Analytics</li> <li>• Artificial Intelligence</li> <li>• Hybrid Cloud</li> <li>• Digital Ethics</li> <li>• Social Responsibility</li> </ul>

No.	School / Module Code / Title	Module Description	Key Topics Covered
22	<b>Centre for Foundation &amp; General Studies</b> <b>FGX111</b> Bounce Back! ABCs of Resilience	<p>Facing difficulties in life is inevitable. Many people react to these challenging events with strong emotions and a sense of uncertainty. Yet, some people bounce back from such adversities.</p> <p>Discover how you can take control and bounce back when faced with adversity!</p>	<ul style="list-style-type: none"> <li>• Develop positive emotions</li> <li>• Assess thinking patterns</li> <li>• Build positive lasting relationships</li> <li>• Find meaning in life</li> </ul>
23	<b>Centre for Foundation &amp; General Studies</b> <b>FGX112</b> Healthy Relationships, Enriched Lives	<p>Healthy relationships rock! Toxic relationships hurt. Go for an awareness about the importance of relationships in life, and learn skills to achieve mental, emotional and social wellness through relational engagement and communication.</p>	<ul style="list-style-type: none"> <li>• Challenges in Relationships</li> <li>• Role of Communication in Relationships</li> <li>• Maintaining and Repairing Relationships</li> </ul>
24	<b>Centre for Foundation &amp; General Studies</b> <b>FGX113</b> Emotional Intelligence	<p>People with high emotional intelligence can understand and control their emotions. They do not allow themselves to become too angry or jealous and do not make impulsive decisions. They are also good at recognising the feelings of others. Hence, they are usually excellent at managing relationships and relating to others.</p> <p>This module offers tips on enhancing your emotional intelligence, and you will soon be on your way to becoming a happier person!</p>	<ul style="list-style-type: none"> <li>• Self-Awareness and Management</li> <li>• Social Awareness</li> <li>• Relationship Management</li> </ul>

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25	<b>Centre for Foundation &amp; General Studies</b> <b>FGX114</b> <a href="#">Developing Personal Effectiveness</a>	Have you ever dreamt of being a highly successful person? Come embark on an exciting learning journey to maximise your personal effectiveness and achieve your goals. We will use experiential learning activities to introduce several practical strategies for becoming a more effective individual. Don't just admire the inspirational role models in your life; start on a path to becoming them!	<ul style="list-style-type: none"> <li>• What is Personal Effectiveness?</li> <li>• Self-Awareness – Character Signature, Values &amp; Character, Inspirational Role Models</li> <li>• Intrapersonal Strategies for Personal Effectiveness</li> <li>• Interpersonal Strategies for Personal Effectiveness</li> </ul>
26	<b>Centre for Foundation &amp; General Studies</b> <b>FGX115</b> <a href="#">Introduction to French Language 1</a>	Bonjour! Do you want to learn some basic French? Oui? Then this module is for you! You will learn handy phrases you can use when you are in France or when you are making first contact with the French. A bientôt!	<ul style="list-style-type: none"> <li>• French Pronunciation</li> <li>• Greetings</li> <li>• Self-introduction</li> <li>• Likes and Dislikes</li> </ul>
27	<b>Centre for Foundation &amp; General Studies</b> <b>FGX116</b> <a href="#">Introduction to German Language 1</a>	Guten Tag! Did you know that more than 100 million people outside of Germany speak German? If you are interested in learning some basic German or thinking of studying in Germany, then this module is for you! You will learn handy phrases you can use when you are in Germany or when you are making first contact with the Germans. Bis bald!	<ul style="list-style-type: none"> <li>• German Alphabet &amp; Pronunciation</li> <li>• Greetings &amp; Introduction</li> <li>• Numbers &amp; Prices</li> <li>• Food &amp; Drinks</li> <li>• Health &amp; Sickness</li> <li>• Public Transport &amp; Traveling</li> </ul>
28	<b>Centre for Foundation &amp; General Studies</b> <b>FGX117</b> <a href="#">Introduction to Japanese Language 1</a>	こんにちは (konnichiwa). Are you interested in learning and speaking some basic Japanese? In this module, you will learn basic pronunciation, the Japanese writing system, introductions among other things. You will gain confidence in communicating with the Japanese using simple phrases!	<ul style="list-style-type: none"> <li>• Japanese Sound Patterns and Writing Systems</li> <li>• Self-introduction</li> <li>• Greetings &amp; First Contacts</li> <li>• Shopping</li> </ul>

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29	<b>Centre for Foundation &amp; General Studies</b> <b>FGX118</b> <a href="#">Introduction to Korean Language 1</a>	<p>안녕하세요! Are you keen to learn some basic Korean phrases? How about the Korean alphabet? 그래요?</p> <p>In this module, you will learn simple phrases which you can use while travelling in Korea or when you are making first contact with the Koreans. You can even enjoy Korean drama or K-POP with this basic knowledge of Korean grammar. 곧 만나요!</p>	<ul style="list-style-type: none"> <li>• Hangeul – the Korean Alphabet</li> <li>• First Contact &amp; Exchanges</li> <li>• At a Restaurant</li> <li>• Shopping</li> </ul>
30	<b>Centre for Foundation &amp; General Studies</b> <b>FGX119</b> <a href="#">Introduction to Malay Language</a>	<p><i>Selamat datang ke kelas bahasa Melayu!</i> (Welcome to the Malay Language class!)</p> <p>Always wanted to converse with your friends in Malay? Need to travel to Malaysia or Indonesia for the weekend? This module is for you. It will equip you with the basics of the Malay language through situational dialogues. It will also give you a glimpse of the Malay culture and customs.</p> <p><b><i>As this is an introductory module, only students with no prior formal training in Malay may apply.</i></b></p>	<ul style="list-style-type: none"> <li>• Pronunciation and sentence structure</li> <li>• Basic Social Interactions</li> <li>• People and Daily Life</li> <li>• Malay Culture and Customs</li> </ul>