

# Finance

|                                                                                                                                                                                                                                                                                                                            |          |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>ICBE 373 Econometrics and Data Analysis</b>                                                                                                                                                                                                                                                                             | <b>4</b> |
| <b>Prerequisite:</b> ICMB 201, ICMB 205, ICMB 206                                                                                                                                                                                                                                                                          |          |
| An introduction to the field of econometrics; the simple regression analysis; the multiple regression analysis; hypothesis testing; dummy variables; proxy variables; the linear probability models; panel data models; applications of econometric methods to actual data using the econometric software packages         |          |
| <b>ICMB 201 Business Statistics</b>                                                                                                                                                                                                                                                                                        | <b>4</b> |
| <b>Pre-requisite:</b> ICGN 104                                                                                                                                                                                                                                                                                             |          |
| Basic statistics, probability distribution of random variable, estimation of hypothesis testing, a variance analysis, a probability distribution, chi-square test, correlation analysis and regression equation; programming application for statistics, and the use statistics to make business decisions                 |          |
| <b>ICMB 203 Microeconomics</b>                                                                                                                                                                                                                                                                                             | <b>4</b> |
| <b>Prerequisite:</b> -                                                                                                                                                                                                                                                                                                     |          |
| Introduction to microeconomics principles, pricing theory, economic scarcity, consumer behavior, production costs, market structure, utility analysis, and distribution of income.                                                                                                                                         |          |
| <b>ICMB 204 Macroeconomics</b>                                                                                                                                                                                                                                                                                             | <b>4</b> |
| <b>Prerequisites:</b> -                                                                                                                                                                                                                                                                                                    |          |
| Introduction to macroeconomics principle, theories of output, consumption, inflation, unemployment, fiscal and monetary policy, international monetary system.                                                                                                                                                             |          |
| <b>ICMB 205 Microeconomics</b>                                                                                                                                                                                                                                                                                             | <b>4</b> |
| <b>Prerequisite:</b> ICGN 104                                                                                                                                                                                                                                                                                              |          |
| Introduction to microeconomics principles; economic scarcity; opportunity cost; demand and supply; elasticity; consumer behavior; producer behavior; production costs; pricing theory; market structure; utility analysis                                                                                                  |          |
| <b>ICMB 206 Macroeconomics</b>                                                                                                                                                                                                                                                                                             | <b>4</b> |
| <b>Prerequisite:</b> ICGN 104                                                                                                                                                                                                                                                                                              |          |
| Data of macroeconomics, problems and issue related to economic environment, Gross Domestic Product (GDP), Consumer Price Index (CPI), multiplier, unemployment, inflation, money market, interest rate, fiscal and monetary policies, IS-LM model, AS-AD model, international trade, exchange rate, Mundell-Flemming model |          |
| <b>ICMB 207 Management of Business Information</b>                                                                                                                                                                                                                                                                         | <b>4</b> |
| <b>Prerequisite:</b> ICGN 104                                                                                                                                                                                                                                                                                              |          |
| Management business data and model, connecting data, shaping data, combining data, characterizing data, building data models, scenario management, goal seek, data tables and DAX, pivot tables, columns and measures calculations, visualization of data, reports, visualizers, dashboards                                |          |
| <b>ICMB 213 Financial Accounting</b>                                                                                                                                                                                                                                                                                       | <b>4</b> |
| <b>Prerequisite:</b> ICGN 104                                                                                                                                                                                                                                                                                              |          |
| A preparation of financial statements, recording and classifying financial transactions, characteristics of various types of accounts, accounting principles, and usefulness and limitation of accounting information                                                                                                      |          |
| <b>ICMB 214 Managerial Accounting</b>                                                                                                                                                                                                                                                                                      | <b>4</b> |
| <b>Prerequisite:</b> ICMB 213                                                                                                                                                                                                                                                                                              |          |
| Basic cost concepts; the cost accounting systems; uses of management accounting for planning, control, performance evaluation and decision making purposes                                                                                                                                                                 |          |
| <b>ICMB 215 Business Finance for Entrepreneurs</b>                                                                                                                                                                                                                                                                         | <b>4</b> |

**Prerequisite: ICMB 213**

An introduction to the principles of financial management, the role of finance with the firm and its objectives; topics including time value of money; the valuation of financial assets; capital budgeting techniques; risk and return calculations; methodologies for determining the cost of capital; as estimation and forecasting of cash flows; and the project evaluation

**ICMB 216 Business Communication****4****Prerequisite: ICGN 104**

Accuracy and logic in writing, presentation of business development project, interpersonal communication, intercultural communication, conflict management, negotiation, written communication, oral communication

**ICMB 222 Principle of Marketing****4****Prerequisite: ICGN 104**

Marketing concepts, the role of marketing in organization, creating-communicating-delivering-exchanging product and services that having value to customers and the society; customer needs and wants, consumer decision making process, marketing information and research, market segmentation-targeting-positioning, product development and life cycle management; pricing, channel management, marketing communication, customer relationship management

**ICMB 235 Management and Organizational Behavior****4****Prerequisite: ICGN 104**

The role of managers in an organization; behavioral and administrative theories and concepts needed to succeed in the modern organization; organization structures; organizational changes; motivations; leadership; managing work and team; teamwork

**ICMB 236 Human Resource Management****4****Prerequisite: ICGN 104**

The HR trends and challenges in the modern workplace; investment perspective of HRM; social responsibility perspective of HRM; roles of a strategic human resource manager; comparative industrial relations; organizational analysis and work design; HR planning, recruiting, selection, evaluation, training and development, compensation and benefits; workforce diversity

**ICMB 237 International Business Management****4****Prerequisite: ICMB 235**

International business operations; organization structure; finance and accounting systems; taxation systems; marketing strategy; cultural differences; global trade; capital markets and economic growth; the impact of regional trading blocs; corporate global competitiveness; global strategies

**ICMB 310 Business Law****4****Prerequisite: ICGN 104**

Introduction to laws, contract law, tort law, personal income tax, corporate income tax, other taxes and duties, company and partnership laws, property law, sales, service, lease laws, loan, mortgage, pledge, guarantee laws, agency laws and employment laws, intellectual property laws

**ICMB 311 Business Ethics and Sustainability****4****Prerequisite: ICMB 214, ICMB 237, ICMB 310**

Analysis of ethical and sustainability concepts, implications of ethics and sustainability in business decisions, social and business-related environments, application of ethical principles, ethical issues in the organization and external environments

**ICMB 312 Management Science****4****Prerequisite: ICMB 201, ICMB 207**

Application of quantitative analysis techniques, linear programming, network models, decision analysis, business simulation

|                                                                                                                                                                                                                                                                                                                                                                                                                                                  |          |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>ICMB 314 Operation and Project Management</b>                                                                                                                                                                                                                                                                                                                                                                                                 | <b>4</b> |
| <b>Prerequisite:</b> ICMB 201, ICMB 312                                                                                                                                                                                                                                                                                                                                                                                                          |          |
| Modern concepts, models and tools for planning, organizing, staffing, leading and controlling the production, distribution of goods and services                                                                                                                                                                                                                                                                                                 |          |
| <b>ICMB 401 Business Innovation and Entrepreneurship</b>                                                                                                                                                                                                                                                                                                                                                                                         | <b>4</b> |
| <b>Prerequisite:</b> ICMB 222, ICMB 214, ICMB 236, ICMB 311, 4 <sup>th</sup> year status                                                                                                                                                                                                                                                                                                                                                         |          |
| A study of entrepreneurial business strategy and innovation; the development of business plan; the new business ideas generation; the new business model; vision and mission, organizational plan, marketing plan, human resource plan, financial plan, risk management plan, action plan                                                                                                                                                        |          |
| <b>ICMB 402 Business Strategy</b>                                                                                                                                                                                                                                                                                                                                                                                                                | <b>4</b> |
| <b>Prerequisite:</b> ICMB 222, ICMB 214, ICMB 236, ICMB 311, 4 <sup>th</sup> year status                                                                                                                                                                                                                                                                                                                                                         |          |
| A study of strategic management; fundamental element of the organizational management strategy; process and frameworks of strategic management; an examination of both internal and external environment; competitive advantage; an identification of organization's mission, objective, policies and business strategy; foundation of a strategic analysis including the industry and company analysis; strategy formulation and implementation |          |
| <b>ICMB 490 Career Preparation</b>                                                                                                                                                                                                                                                                                                                                                                                                               | <b>1</b> |
| <b>Prerequisite:</b> Juniors                                                                                                                                                                                                                                                                                                                                                                                                                     |          |
| The use of design thinking approach to develop self-awareness skills and prototype future career; self-assessment of knowledge, skills, people, and conditions; self-inventory of lifestyle and value; conducting effective career experiment; career vision, and life mapping exercise, and action plan to pursue the target career                                                                                                             |          |
| <b>ICMB 496 Practical Business Training – On Campus</b>                                                                                                                                                                                                                                                                                                                                                                                          | <b>8</b> |
| <b>Prerequisite:</b> Seniors, ICMB 490                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| An on-campus internship program at the Brew & Bev Bistro providing a practical business experience for MUIC students; applications of business knowledge and skills learned in class; a summative evaluation of students' teamwork, analytical thinking skills, innovativeness, ethics and sustainability, and management knowledge and skills                                                                                                   |          |
| <b>ICMB 497 Practical Business Training – Off Campus</b>                                                                                                                                                                                                                                                                                                                                                                                         | <b>8</b> |
| <b>Prerequisite:</b> Seniors, ICMB 490                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| An internship program in off-campus organizations providing practical business experience for MUIC students; applications of business knowledge and skills learned in class; a summative evaluation of students' teamwork, analytical thinking skills, innovativeness, ethics and sustainability, and the management knowledge and skills                                                                                                        |          |
| <b>ICMF 316 Financial Management</b>                                                                                                                                                                                                                                                                                                                                                                                                             | <b>4</b> |
| <b>Prerequisite:</b> ICMB 214, ICMB 215                                                                                                                                                                                                                                                                                                                                                                                                          |          |
| Goal of financial management, financial markets and yields, the concept of corporate governance in financial management, corporate valuation model, financial statement analyses, working capital management, long-term financial planning and forecasting, risk and return for stand-alone assets and the portfolio, the capital market theory, capital structure theories and practice, distributions to shareholders                          |          |
| <b>ICMF 317 International Financial Markets</b>                                                                                                                                                                                                                                                                                                                                                                                                  | <b>4</b> |
| <b>Prerequisite:</b> ICMB 215                                                                                                                                                                                                                                                                                                                                                                                                                    |          |
| International financial markets from a macro-finance perspective; theme on role of money, interest rates and fixed income assets; main focus on monetary policy, monetary system from a macro-finance perspective; revising to be up to date, looking at disruptive technologies, innovations and their impacts on monetary finance                                                                                                              |          |
| <b>ICMF 318 Investments Analysis and Portfolio Management</b>                                                                                                                                                                                                                                                                                                                                                                                    | <b>4</b> |
| <b>Prerequisite:</b> ICMF 316                                                                                                                                                                                                                                                                                                                                                                                                                    |          |

Types of investors; types of investment vehicles in the investible universe; the investment policy statement; different investment strategies for different types of investors; quantitative and qualitative aspects of risk and return associated with investment decisions; the portfolio optimization techniques; portfolio performance evaluation against pre-defined benchmarks and investment objectives

**ICMF 319 Multinational Corporate Finance**

**4**

**Prerequisite:** ICMB 215, ICMB 237

An examination of international finance from a standpoint of a company; the international monetary system and currency regimes; foreign exchange markets including spot and derivative markets; international parity conditions and applications; foreign exchange rate risk and exposure; operational and financial hedging; raising capital from international capital markets; the formulation of investment and financial strategies for foreign operations

**ICMF 320 Business Taxation**

**4**

**Prerequisite:** ICMB 214, ICMB 310

Corporate taxation, partnership taxation, withholding tax, value added tax (VAT), tax computation, tax return, tax planning and ethics, tax accounting, and tax effects on the financial analysis

**ICMF 321 Intermediate Accounting**

**4**

**Prerequisite:** ICMF 214, ICMF 215

A study of accounting principles and procedures essential to the preparation of financial statements with particular emphasis on in-depth asset, liability and shareholder's equity, for example, revenue recognition, asset valuation, contingent liability, lease, earnings per share, deferred taxes, and all related disclosures

**ICMF 322 Risk Management and Derivatives**

**4**

**Prerequisite:** ICMF 316

An introduction to the risk management concept for corporation; an overview of the fundamental knowledge of derivative instruments—forward, future, and option; quantitative and qualitative analyzing the risk for the corporate; controlling the risk with appropriate hedging techniques

**ICMF 323 Banking and Financial Institutions Management**

**4**

**Prerequisite:** ICMF 317

Modern financial institutions from a bank management perspective; topics include risk of financial institutions, commercial banks, and methods through which these risks are managed; innovations in the banking industry and the decentralization of banking

**ICMF 324 Big Data and Financial Analytics**

**4**

**Prerequisite:** ICMB 207, ICMB 215

Understanding the data analysis process with big data analysis; financial/economic problem formulation based on sound business landscape analyses; internal and external data identification and preparation; applying appropriate data analytics tools and algorithms for descriptive, predictive and prescriptive analytics; generating informed business insights, strategies and plans for solving key financial/economic problems

**ICMF 420 Financial Analysis and Modeling**

**4**

**Prerequisite:** ICMF 316, ICMB 214

The capstone course for students majoring or minoring in finance; a formulation of financial models for financial and investment decision making; a financial statement analysis, corporate valuation, risk modeling, a sensitivity analysis and a financial simulation using the spreadsheet-based financial models; Visual Basic (VBA) applications in Finance, financial modeling project for real-world corporations

**ICMF 425 Corporate and Alternative Asset Valuations**

**4**

**Prerequisite:** ICMF 318

Valuation on public firms and any cash flow producing assets such as real estates, private companies, and divisions; relative valuation approach, such as P/E, P/B, P/CF, EV/EBITDA on different types of industries or

companies; factors involved in valuation such as CAPM, WACC, and the un-levering and re-levering of Beta; the valuation of non-producing cash flows such as cryptocurrencies and blockchain technology

**ICMF 426 Special Topics in Finance**

**4**

**Prerequisite: Juniors**

A study of contemporary issues, industry trends, theories, and best practices in finance in response to the changing business environment

**ICMF 427 Financial Theory and Innovation in a Disruptive World**

**4**

**Prerequisite: 4th year student**

Understanding financial and disruptive innovation theories, the application of financial theory under disruptive environment to business decision; decisions under certainty and uncertainty with the expected utility framework; classical financial theories such as capital structure, capital budgeting, dividend policy, and modern portfolio theory with the disruptive innovation concept



**Mahidol University**  
**International College**



# Foundation Courses

(For all 618xxxx students, except ICCI, ICCU and ICMC students)

## **ICID 100 Freshman Seminar**

**0**

### **Prerequisites: -**

Compulsory for all freshmen; time management skills, study plan, adjustment to college's life, and teachers' expectation

## **ICMA 100 Foundation Mathematics**

**0**

### **Prerequisites: Placement test**

Expressions and equations; linear functions; polynomials and nonlinear functions; radical and rational functions; the data analysis

## **ICME 100 English Resource Skills**

**0**

### **Prerequisites: Placement test**

A remedial course preparing students for reading and writing academic English at a level suitable for entering the Intermediate English Communication I

# General Education Courses

(For all 618xxxx students, except ICCI, ICCU and ICMC students)

## English Communication

## **ICGC 101 Academic Writing and Research I**

**4**

### **Prerequisites: Placement Writing Test or ICME 100**

An introduction to the academic writing process through the development of the writer's voice through sentencings, structure, and rhetorical devices; a focus on strategies for using and integrating researched sources; methods to compose well-structured essays based on themes relevant to the world today

## **ICGC 102 Academic Writing and Research II**

**4**

### **Prerequisites: ICGC 101**

The integration of skills in academic research and writing to analyze and create persuasive compositions; techniques to identify strengths and weaknesses in argument; the development of students' knowledge and preconceptions of global issues through a progressive series of essays and journal assignments

## **ICGC 103 Public Speaking**

**4**

### **Prerequisites: ICGC 102 Academic Writing and Research II**

Fundamentals of key skills for confident and effective public speaking through a series of prepared and unprepared speeches; an introduction and application of techniques to inform/persuade audiences; the utilization of Academic Writing and Research I and II to create and deliver speeches to a professional standard

## **ICGC 111 Academic Writing and Research I (Advanced)**

**4**

### **Prerequisites: Placement Writing Test**

Theories and practical methods to enhance students' creative and descriptive abilities; an emphasis on the development of a writer's voice through sentencings, structure, and rhetorical devices; strategies for using and integrating researched sources introduced by means of explaining theories, concepts, and writing conventions

**ICGC 112 Academic Writing and Research II (Advanced)****4****Prerequisites: ICGC 111**

A focus on high levels of academic literacy and presentation skills in reading, writing, and public speaking for experts or near-expert users of English; the utilization of advanced strategies to exploit secondary research and argumentation; an application of advanced skills in critical thinking and rhetorical knowledge through class discussions and written and oral assignments

**ICGC 201 Global Realities****4****Prerequisites: ICGC 103 or ICGC 112**

An exploration and a critical analysis of key texts on poetry, literature, and legislative documents in order to understand the complexity and challenges of the world we live in; themes encouraging students to consider values, human rights and government; class discussions, journal writing, and presentation activities to demonstrate how students can contribute to the betterment of society

**ICGC 202 Literary Analysis****4****Prerequisites: ICGC 103 or ICGC 112**

A review of literary works from selected literary genres; an exploration of how literature informs our perceptions of the world by way of analytical and critical thinking; an analysis of short stories, poetry and drama; scaffolding of strategies for students to understand the function of a variety of literary forms

**ICGC 203 Creative Writing****4****Prerequisites: ICGC 103 or ICGC 112**

An examination of fictions, poetry, drama, and the media production through readings, speeches and films; comparisons of writing in different genres; a creation of the work of publishable quality by means of the consideration of audience and genre

**ICGC 204 Advanced Oral Communication****4****Prerequisites: ICGC 103 or ICGC 112**

Theories of persuasion, non-verbal techniques, and voice control for advanced presenters; strategies to develop high levels of voice control and expressions; activities including debates, stage, and sales strategies; the development of students' abilities to express themselves confidently in a variety of academic and professional environments through impromptu and prepared speeches

**ICGC 205 Linguistics****4****Prerequisites: ICGC 103 or ICGC 112**

An introduction to major features and components of the human languages; a focus on power and complexity of languages, its influence on interactions and its contributions to understanding; an exploration of definitions and applications of syntax, semantics, pragmatics, and other related topics

**ICGC 206 Literature Into Film****4****Prerequisites: ICGC 103 or ICGC 112**

An introduction to the technical aspects of translating literature into films; an exploration of the interplay between literature and films through an analysis of short stories, novels, and plays and their film versions; an exploration of the challenges merging both mediums

**ICGC 207 Diverse English Speaking Cultures****4****Prerequisites: ICGC 103 or ICGC 112**

An introduction to the study and appreciation of post-colonial literature; utilizing literature, music, and film to help students develop the ability to understand influences in new ways; an evaluation through a combination of mock trials, debates, plays, presentations, reading notes, and essays

|                                                                                                                                                                                                                                                                              |          |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>ICGC 208 Language and Culture</b>                                                                                                                                                                                                                                         | <b>4</b> |
| <b>Prerequisites:</b> ICGC 103 or ICGC 112                                                                                                                                                                                                                                   |          |
| An examination of the interplay between language and culture; having texts and class discussions to focus on the importance of understanding the link between culture and languages; a completion of research paper on the topic                                             |          |
| <b>ICGC 209 The Story of English</b>                                                                                                                                                                                                                                         | <b>4</b> |
| <b>Prerequisites:</b> ICGC 103 or ICGC 112                                                                                                                                                                                                                                   |          |
| The development of English traced from its origins; the/a demonstration through texts, films, and media of the growth and spread of English; an introduction to methods of understanding a variety of linguistic progressions in the language                                |          |
| <b>ICGC 210 First and Second Language Acquisition</b>                                                                                                                                                                                                                        | <b>4</b> |
| <b>Prerequisites:</b> ICGC 103 or ICGC 112                                                                                                                                                                                                                                   |          |
| An introduction to how children develop their first language; comparing and contrasting of the second language development; theories of language development from behaviorism to more recent cognitive and functional approaches; the implications of theories               |          |
| <b>ICGC 211 Topics in Comparative Literature A: Poetry</b>                                                                                                                                                                                                                   | <b>4</b> |
| <b>Prerequisites:</b> ICGC 103 or ICGC 112                                                                                                                                                                                                                                   |          |
| An in-depth study of poetry, including: metrics, forms, themes, ethnic voices, throughout history; an evaluation of poetry from different genres through a series of discussions, workshops and a term research paper                                                        |          |
| <b>ICGC 212 Topics in Comparative Literature B: The Short Story and the Novel</b>                                                                                                                                                                                            | <b>4</b> |
| <b>Prerequisites:</b> ICGC 103 or ICGC 112                                                                                                                                                                                                                                   |          |
| A study of elements of fictions in short stories and novels through class workshops on characters, dialogue, plot and atmosphere; class discussions to analyze the effect of historical and social developments on selected themes                                           |          |
| <b>ICGC 213 Topics in Comparative Literature C: Drama</b>                                                                                                                                                                                                                    | <b>4</b> |
| <b>Prerequisites:</b> ICGC 103 or ICGC 112                                                                                                                                                                                                                                   |          |
| An exploration of ways to understand and appreciate drama by reading, watching, and analyzing theatrical performances; staging and enactment of a theatrical production; readings, essays, and theater workshop activities to prepare students for a final stage performance |          |

#### Natural Science

- **Scientific and Environmental Literacy**

|                                                                                                                                                                               |          |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>ICGN 101 Decision Mathematics</b>                                                                                                                                          | <b>4</b> |
| <b>Prerequisites:</b> -                                                                                                                                                       |          |
| Graphs and networks; linear programming; transportation problems; game theory                                                                                                 |          |
| <b>ICGN 102 Essential Mathematics</b>                                                                                                                                         | <b>4</b> |
| <b>Prerequisites:</b> Placement test                                                                                                                                          |          |
| Real numbers, algebraic expressions, percentages, ratio, proportion; linear functions; the systems of linear equations                                                        |          |
| <b>ICGN 103 Essential Statistics</b>                                                                                                                                          | <b>4</b> |
| <b>Prerequisites:</b> ICGN 102                                                                                                                                                |          |
| Statistical ideas and concepts; probability and conditional probability; distribution functions; expected value; estimators; hypothesis testing; a linear regression analysis |          |



|                                                                                                                                                                                                                                                                                                                                                            |          |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>ICGN 104 Mathematics and Its Contemporary Applications</b>                                                                                                                                                                                                                                                                                              | <b>4</b> |
| <b>Prerequisites:</b> Placement test <i>or</i> ICMA 100                                                                                                                                                                                                                                                                                                    |          |
| A review of algebra, logarithmic and exponential functions, matrix algebra, differential calculus, integral calculus                                                                                                                                                                                                                                       |          |
| <b>ICGN 105 Ecology, Ecosystems and Socio-Economics in Southeast Asia</b>                                                                                                                                                                                                                                                                                  | <b>4</b> |
| <b>Prerequisites:</b> -                                                                                                                                                                                                                                                                                                                                    |          |
| Human impacts on Southeast Asian ecology; human impacts on Southeast Asian's biodiversity and natural resources; fundamental ecological and resource management principles; current sustainable development issues; sustainable development practices for Southeast Asia                                                                                   |          |
| <b>ICGN 106 Climate Change and Human Society</b>                                                                                                                                                                                                                                                                                                           | <b>4</b> |
| <b>Prerequisites:</b> -                                                                                                                                                                                                                                                                                                                                    |          |
| Human activities and the global climate; consequences for human society; consequences for the essential life support systems; perspectives on human health and diseases; adapting to global climate change; mitigating global climate change; an optional field visit included                                                                             |          |
| <b>ICGN 107 The Chemistry of Everyday Life</b>                                                                                                                                                                                                                                                                                                             | <b>4</b> |
| <b>Prerequisites:</b> -                                                                                                                                                                                                                                                                                                                                    |          |
| The air we breathe; ozone hole; water quality; acid-base and everyday chemicals; energy and fuels; battery; portable electronics; pharmaceuticals from nature; polymer and plastics; nutrition and modern life; genetic engineering; forensics and the DNA technology                                                                                      |          |
| <b>ICGN 108 Essentials of Culinary Science for Food Business</b>                                                                                                                                                                                                                                                                                           | <b>4</b> |
| <b>Prerequisites:</b> -                                                                                                                                                                                                                                                                                                                                    |          |
| Changes during the preparation, heating, and storage of raw materials and finished products, food service and commercial packaged food industries; chemical, sensory, and nutritional natures of food, food safety concepts, changing trends and interests, legal requirements of the food establishment                                                   |          |
| <b>ICGN 109 Food for Health</b>                                                                                                                                                                                                                                                                                                                            | <b>4</b> |
| <b>Prerequisites:</b> -                                                                                                                                                                                                                                                                                                                                    |          |
| Human nutritional requirements; health benefits of various foods; quality and safety of foods; food additives; food production and preservation; health and nutritional value                                                                                                                                                                              |          |
| <b>ICGN 110 Maker Workshop</b>                                                                                                                                                                                                                                                                                                                             | <b>4</b> |
| <b>Prerequisites:</b> -                                                                                                                                                                                                                                                                                                                                    |          |
| A mechanical design consideration, 3D drawing, safety in design; motion in 1 and 2 dimension; the sound and the oscillation motion, mechanical properties of materials; basic electronics, a circuit analysis, soldering; microcontroller, basic programming                                                                                               |          |
| <b>ICGN 111 Physics for CEO</b>                                                                                                                                                                                                                                                                                                                            | <b>4</b> |
| <b>Prerequisites:</b> -                                                                                                                                                                                                                                                                                                                                    |          |
| Basic concepts of physics impacting individuals and society on a daily basis: physical quantities, the Newtonian mechanics and dynamics, energy and heat, electricity and magnetism, light and sound, and the electromagnetic spectrum                                                                                                                     |          |
| <b>ICGN 112 Stargazer</b>                                                                                                                                                                                                                                                                                                                                  | <b>4</b> |
| <b>Prerequisites:</b> -                                                                                                                                                                                                                                                                                                                                    |          |
| Basic ideas of astronomy, astrophysics, and cosmology; the progress of human understanding of the universe; the impact of the scientific methods on the astronomical observation; the earth and the moon; the solar system; the lifecycle of stars; Black Holes; galaxies; and the current understandings about the origins and the future of the universe |          |

**ICGN 113 Plants, People and Poisons****4****Prerequisites: -**

The plant world; the way plants grow and reproduce; modern technologies used for improving agricultural methods; the basics of plant biology; the distinctions among major groups of plants; the social implications of plant use and abuse

**ICGN 114 The Scientific Approach and Society****4****Prerequisites: -**

Scientific literacy; the process of science discovery; verification, its limitation, and the influence on various disciplines; human research and animal research ethics; the critical analysis of current scientific articles; life cycle of scientific knowledge; modeling in science

**ICGN 115 Human Evolution, Diversity and Health****4****Prerequisites: -**

The Hominid evolution; primate societies; the origins of human species; the Order Primates; human distinctiveness and diversity; the scientific advancements and the human body; the scientific advancements and the modern society

- **ICT and Digital Literacy**

**ICGN 116 Understanding and Visualizing Data****4****Prerequisites: -**

An introduction to data analytics; roles and examples of the data-driven decision making; technology landscape; data kinds and types; data sources and collection techniques; data storage and standard formats; data processing workflow; summary from data; different types of visualization; data visualization tools

**ICGN 117 Technology behind E-Business and Digital Strategies****4****Prerequisites: -**

Landscape of technologies in the digital enterprise and e-business; internet-based staples such as web hosting, domain-name acquisition, the social media, the payment systems; electronic business models and digital strategies; emerging trends in technology; legal and ethical issues

**ICGN 118 Everyday Connectivity****4****Prerequisites: -**

The Internet, computer networks, and the World Wide Web (W3) in daily life; troubleshooting small network problems; identifying threats and avoiding dangers online; finding credible information on the Web; online communication tools, such as the social media and email, for professional branding; the basic e-business concepts and tools; the e-payment systems

**ICGN 119 Computer Essentials****4****Prerequisites: -**

Digital literacy relating to computer literacy and information literacy; the computer hardware and its general functions; the operating systems; software packages and their daily use; computer security; the ethical use of the intellectual property

**Humanities**

- **Logical and Ethical Literacy**

**ICGH 101 Biotechnology: from Science to Business****4**

**Prerequisites: -**

Biotechnology, bioethics, and the law, biotechnology and the regulatory framework, genetic testing, patenting life, biobanks and modern genomics research; genetically modified organisms; human and animal testing, bioterrorism; biological weapons laws, bio-prospecting, pharmaceutical pricing; the future of the human beings and post-humanism

**ICGH 102 Famous Arguments and Thought Experiments in Philosophy****4****Prerequisites: -**

An examination of the most striking argumentative moves in philosophy from Plato's Allegory of the Cave to Searle's Chinese Room and beyond; a transfer and an application of paradigmatic philosophical thinking to current open questions in politics and science

**ICGH 103 Logic, Analysis and Critical Thinking: Good and Bad Arguments****4****Prerequisites: -**

Basic formal tools from sentential and predicate logic; logical structures of arguments used in the everyday contexts of life; an analysis of their strengths and weaknesses; common fallacies in reasoning, including reasoning involving determining probabilities; a construction of good arguments using the principles of informal reasoning

**ICGH 104 Moral Reasoning: How can we know what is good?****4****Prerequisites: -**

A survey of philosophical, psychological, and scientific contributions to the understanding of moral values; a hands-on construction and an analysis of ethical argument regarding burning issues in applied ethics

**ICGH 105 Technology, Philosophy and Human Kind: Where Are We Now?!****4****Prerequisites: -**

An examination of major technological and scientific innovations across the globe and their effects on human life and thought; a focus on agriculture, steel, the printing press, the mechanical clock, magnifying lenses, antibiotics, electricity, steam and combustion engines, and the transistor

**ICGH 106 The Greeks: Crucible of Civilization****4****Prerequisites: -**

An introduction to and an overview of the philosophy and thought of Ancient Greece and its influence on contemporary civilization; theories about knowledge, propaganda, truth, art, psychology, happiness, justice, and democracy

- **Arts and Media Literacy**

**ICGH 107 Contemporary Art and Visual Culture****4****Prerequisites: -**

Current issues in society; the new media in art today; an analysis of images; social and historical contexts of contemporary art; creative thinking; the effects of globalization on the visual world; an investigation of broader social and cultural matters; subject matters related to ideology, gender, race, and ethnicity

**ICGH 108 Creative Drawing Expression****4****Prerequisites: -**

Drawing in a variety of medium; drawing as creativity; re-presenting, expressing, texturizing, sublimating, juxtaposing, appropriateness, redefining, constructing, illustrating, and describing; drawing from life: human form; developing cognitive learning skills; utilizing visual communication, the design and art principles (experimentation, exploration, application, techniques for mark making, proportion, gesture, contour, action,

weight, line, value, texture, composition); researching, interpreting, evaluating, and analysing contemporary artists; personal evaluation; personal expression

#### **ICGH 109 Creative Thinking Through Art and Design**

**4**

##### **Prerequisites: -**

Combining a hands-on studio experience with demonstrations, lectures and discussions; developing creativity and gaining confidence in communicating one's own unique vision; exploring a variety of art and design mediums; understanding the elements of the visual language; implementing the creative process and creative thinking; developing individual solutions to open-ended problems

#### **ICGH 110 Drawing as Visual Analysis**

**4**

##### **Prerequisites: -**

Developing creativity and cognitive learning skills; utilizing visual communication, the/a design and art principles; mark making; observing, analyzing, recording, representing plant and still life forms; practicing and applying, and using techniques for conventional pencil drawing tools (shape, form, perspective, lines, shading, value, negative space, texture, composition); scientific illustration; a realistic representational observation

#### **ICGH 111 Media Literacy: Skills for 21st Century Learning**

**4**

##### **Prerequisites: -**

An integration of the media literacy, the media production, and the media ethics; accessing, analyzing, evaluating, questioning, and producing media texts; social, cultural, and political implications of the media; representations in the media; the media as political economy; the media aesthetics; the media and influence; audiences negotiating meaning

#### **ICGH 112 Photography**

**4**

##### **Prerequisites: -**

An integration of visual literacy, photography techniques, and ethics; analyzing, evaluating, and authoring photographs; visual aesthetics; visual storytelling and narrative building techniques; the decisive moment; influencing audiences; maximizing the audience engagement; the ethical publications and the dissemination of photographs

#### **ICGH 113 Moving Pictures: A History of Film**

**4**

##### **Prerequisites: -**

An investigation of European, American, and Asian films as art, philosophy, social commentary, and propaganda; a focus not only on techniques, styles, and technological advances but on the interpretation, comparison, and criticism

#### **ICGH 114 The Sound of Music: Form, Emotion, and Meaning**

**4**

##### **Prerequisites: -**

A survey of a musical expressions and an analysis of its communicative force in light of current research; examples from a wide range of musical styles with a focus on classical music

### **Foreign Languages**

- **German**

#### **ICGL 101 Elementary German I**

**4**

##### **Prerequisites: Placement test**

Greetings, introducing oneself or others; German alphabets and phonemes; personal information, numbers from 1 – 100 and price quotations; expressing wishes, telling the time and making appointments; the quality of items, measurements; verb forms, pronouns, sentence structure, gender of nouns, accusative case and plural forms, negation

**ICGL 102 Elementary German II****4****Prerequisites:** Placement test *or* ICGL 101

Ordering and paying for meals in a restaurant; preferences of food and drinks; giving and asking for directions; reading a map; preferences of work conditions; job advertisements; essay writing; yes/no questions, imperative forms, compound verbs, preposition with dative case, modal verbs I, German sentence bracket

**ICGL 103 Elementary German III****4****Prerequisites:** Placement test *or* ICGL 102

Health advice and problems, healthy and unhealthy lifestyles, events, and accidents, travel reports, curriculum vitae (CV); possessive articles in nominative, accusative and dative case, perfect tense, connectors, modal verbs II

- **Japanese**

**ICGL 111 Elementary Japanese I****4****Prerequisites:** Placement test

The Hiragana and Katakana characters; fundamentals of the basic Japanese grammar (noun-ending sentences, particles, demonstratives, verb-ending sentences, non-past and past tenses); scaffolding of basic vocabulary; basic communication about personal topics (self and others); the description of Japan; the design of written products in the target language; expressing existence, preferences, and agreement; comparing cultures

**ICGL 112 Elementary Japanese II****4****Prerequisites:** Placement test *or* ICGL 111

The Kanji characters (approximately 50); fundamentals of the basic Japanese grammar concepts (particles, verbs of giving and receiving, na-adjective-ending sentences, i-adjectives-ending sentences, non-past and past tenses, and classifiers); scaffolding of basic vocabulary; basic communication about daily life topics; the design of written products in the target language; expressing simple points of view, describing people and daily life activities; comparing cultures

**ICGL 113 Elementary Japanese III****4****Prerequisites:** Placement test *or* ICGL 112

The Kanji characters (approximately 50); fundamentals of the basic Japanese grammar concepts (verb conjugation (masu-form, te-form, nai-form, and dictionary form), and related sentence patterns; the polite style of speech, and the plain style of speech, particles); scaffolding of basic vocabulary; basic communication about various topics; the design of written products in the target language; expressing points of view, describing people and various activities; comparing cultures

- **French**

**ICGL 121 Elementary French I****4****Prerequisites:** Placement test

Fundamentals of the basic French grammar (pronouns, present tense conjugation, gender/number, adjectives, prepositions); scaffolding of basic vocabulary; basic communication about personal topics (self and others); an identification and a description of French speaking countries; the design of written products in the target language; expressing existence, preferences and agreement; comparing cultures

**ICGL 122 Elementary French II****4****Prerequisites:** Placement test *or* ICGL 121

Fundamentals of the simple French grammar (present and future tense, adjective gender, place and agreement, more complex prepositions, more complex questions); scaffolding of simple vocabulary; simple communication about daily life topics (in France and in their country); the design of written products in the target language; expressing simply point of view, describing people and daily life activities; comparing cultures



### **ICGL 123 Elementary French III**

**4**

#### **Prerequisites: Placement test or ICGL 122**

Fundamentals of the more complex French grammar (present and future tense, adjective gender, place and agreement, more complex prepositions, questions and past tense notions); scaffolding of more complex vocabulary; longer communication about daily life topics (in France and in their country); the design of written products in the target language; expressing point of view, describing people and daily life activities; comparing cultures

#### **• Chinese**

### **ICGL 131 Elementary Chinese I**

**4**

#### **Prerequisites: Placement test**

The Chinese phonetic system (Pinyin), the Chinese basic writing system (Stroke order), the Chinese characters (approximately 100) and fundamentals of the basic Chinese grammar (interrogative pronouns, particle 的“de”, Yes/No questions with 吗“ma”, demonstrative pronouns, classifiers, adverb “ye”也, “dou”都); scaffolding of basic vocabulary; basic communication about personal topics (self and others); the description of China; the design of written product in the target language; expressing existence, preferences and agreement; comparing cultures

### **ICGL 132 Elementary Chinese II**

**4**

#### **Prerequisites: Placement test or ICGL 131**

The Chinese phonetic system (Pinyin), the Chinese writing system, the Chinese characters (approximately 100); fundamental Chinese grammar concepts (interrogative pronouns, classifiers, “de” particles, “de” phrase, adverbials, the continuation of an act sentence structures and the reduplication of verbs); scaffolding of basic vocabulary; basic communication about daily life topics; the design of written products in the target language; expressing simple points of view, describing people and daily life activities; comparing cultures

### **ICGL 133 Elementary Chinese III**

**4**

#### **Prerequisites: Placement test or ICGL 132**

The Chinese phonetics (Pinyin); The Chinese characters (approximately 150); Fundamentals of the basic Chinese grammar concepts (interrogative pronouns, modal verbs, complex sentence, modal particle “le” (了), complement of state, complement of result, complement of duration); scaffolding of basic vocabulary; basic communication about various topics; the design of written products in the target language; expressing points of view, telling direction, describing oneself and other people’s abilities; comparing cultures

#### **• Spanish**

### **ICGL 141 Elementary Spanish I**

**4**

#### **Prerequisites: Placement test**

Fundamentals of the basic Spanish grammar (pronouns, present tense conjugation, gender/number, adjectives, prepositions); scaffolding of basic vocabulary; basic communication about personal topics (self and others); an identification and a description of Spanish speaking countries; the design of written products in the target language; expressing existence, preferences and agreement; comparing cultures

### **ICGL 142 Elementary Spanish II**

**4**

#### **Prerequisites: Placement test or ICGL 141**

Fundamentals of the basic Spanish grammar (pronouns, present tense conjugation, reflexive verbs, gender/number, adjectives, prepositions); scaffolding of basic vocabulary; basic communication about personal topics (self and others); an identification and a description of Spanish speaking countries; the design of written products in the TL; expressing existence, preferences and agreement; talking about daily habits

**ICGL 143 Elementary Spanish III****4****Prerequisites: Placement test or ICGL 142**

Towns, quarters and cities; directions; past experience; present perfect tense, past tense indefinido; verbs ser, estar and hay; vocabulary of places; time markers for past tense; verbs empezar a+ infinitive; verbs ir / irse

- **Thai**

**ICGL 160 Introduction to Thai Language and Culture****4****Prerequisites: -**

A communication in basic situations such as introducing oneself, asking for and giving directions, ordering food and drinks, asking for prices and bargaining at the same time, understanding selected topics of Thai culture in daily life

**ICGL 161 Elementary Thai I****4****Prerequisites: Placement test**

Listening and speaking skills on the following topics: introducing oneself, one's friend and family, basic food and drink ordering, places, directions, transportation, buying tickets, clothing items, colours, and sizes; bargaining, counting and using classifiers; reading and writing Thai consonants; vowels placed after, before, above, and below the consonants; Thai numbers; live and dead syllables

**ICGL 162 Elementary Thai II****4****Prerequisites: Placement test or ICGL 161**

Listening and speaking skills on the following topics: one's schedule, making appointments, favourite leisure activities, ordering food, drinks, and desserts with special requests; presentation of one's plan for activities during the school break; a continuation of Elementary Thai I in reading and writing skills; the consonant clusters, tone marks, words with special spelling rules, reading short paragraphs

**ICGL 163 Elementary Thai III****4****Prerequisites: Placement test or ICGL 162**

Communication of the four skills on the following topics: booking or renting accommodation, symptoms of illness and visiting a doctor; selected holidays and festivals; a presentation of a selected province in Thailand; a continuation of Elementary Thai II in reading and writing skills, writing short paragraphs and reading long passages on selected topics

International College

**Social Sciences**

- **Financial, Economic, Business and Entrepreneurial Literacy**

**ICGS 101 Accounting for Young Entrepreneurs****4****Prerequisites: -**

Fundamental accounting concepts; the basic accounting process used in small enterprises; the preparation of financial statements; the break-even analysis; business taxation

**ICGS 102 Business Sustainability and the Global Climate Change****4****Prerequisites: -**

A study of the role of business in the society; the basic concept of sustainability; global governance; sustainable development; social inequalities and social inclusion; environment sustainability; climate change; climate change mitigation; climate change adaptation; green marketing; business sustainability

**ICGS 103 Economics in Modern Business****4****Prerequisites: -**

Forces of demand and supply, elasticity, opportunity cost, market structures, pricing strategy, business enterprise, consumers' behavior; the Thai economy, the world economy, globalization and technological, profit maximizing, firm and organization, government policies, a business analysis and managerial decision-making, competitive advantage; the social media economy, innovation-based economy, digital sharing economy, aging society and dynamic business environment

#### **ICGS 104 Essentials of Entrepreneurship**

**4**

##### **Prerequisites: -**

Creating new businesses, capturing new markets, enhancing organizational effectiveness; entrepreneurship theories and frameworks, practices of promoting and managing start-ups; the life-cycle of an entrepreneurial venture; concept implementation, entrepreneurial pathway; the customer analysis, integrated marketing, funding, securing and managing capital, the human capital management under the disruptive environment

#### **ICGS 105 Personal Financial Management**

**4**

##### **Prerequisites: -**

Personal finance and investment; financial goals and planning process; financial statements and budgets; tax preparation; cash and savings management; investment planning; investing in stocks and mutual funds; making automobile and housing decisions; life insurance; protecting the property; retirement planning

#### **ICGS 106 Fashion and Society**

**4**

##### **Prerequisites: -**

The design elements of fashion, fashion terminology, fashion reflecting its temporal and spatial context, fashion and the development of art; fashion as a cultural expression, fashion as creativity; fashion requiring customers' approval and endorsements, fashion and consumer behaviour, fashion and consumerism, and ethical issues of fashion

#### **ICGS 107 MICE 101**

**4**

##### **Prerequisites: -**

An introduction to MICE industry; meetings; incentive travels; convention; exhibitions; decision-making criteria; special events; MICE event management; the venue management; logistics for MICE industry; service providers in MICE industry; standards in MICE industry; ethics for MICE

#### **ICGS 108 Money Matters**

**4**

##### **Prerequisites: -**

Financial issues related to money, rational choices, income and success; managing personal finances; markets and their functions; challenges in hard economic times; financial responsibility and basic money management skills

- **Global and Multicultural Literacy**

#### **ICGS 109 American History, Film and Modern Life**

**4**

##### **Prerequisites: -**

The history of modern America from the post reconstruction to the present; a survey history of the American political economy, society and international relations available in the modern media such as arts, film; influential thinking and writing; television channels and the social media; the state's power projection through hard and soft power; the American Innovative Industrialists; the Progressive Reformers; World War I; the Roaring Twenties; the Great Depression; Isolationism in the interwar years; Women's Suffrage; World War II; the Cold War; the Vietnam War; Racial Tensions; the Bush, Obama, Trump administrations and the future U.S. foreign policy

#### **ICGS 110 Development and Conflicts**

**4**

##### **Prerequisites: -**

Concepts of political and economic development; policies; production, and investment priorities; the consequences of economic transformation in poor countries; developmental failure since the 1980s; four development traps, including the conflict trap; the natural resource trap; the bad governance trap; and being landlocked with bad neighbours; solutions of how countries can achieve positive changes; the environmental and social development; the appropriateness and sustainability of the existing conventional development and growth trajectory

#### **ICGS 111 Exploring Religions**

**4**

##### **Prerequisites: -**

Major religions in the world, Hinduism, Buddhism, Sikhism, Chinese religions, Shinto, Judaism, Christianity, and Islam; the origins of the three religious groups, religions arising in India, China, and Japan, and of the family of Abraham; contemporary new religious developments; religious diversities present in the world

#### **ICGS 112 Geography of Human Activities**

**4**

##### **Prerequisites: -**

The interrelationship between humans and the spaces they create; human activities as interdisciplinary by nature; the physical and socially instructed environment people live in; human interactions shaping the human understanding of the environment; the utility of resources; the phenomena on the earth's surface related to human actions; concepts and geographical methodologies used to examine social organizations and environmental consequences

#### **ICGS 113 Perspectives on the Thai Past**

**4**

##### **Prerequisites: -**

The origins of the Thai people in pre-historic times to the late twentieth century; an alternative view incorporating the different regions and various ethnic groups making up present-day Thailand; key issues in Thai history; an analysis of the classics of Thai historiography; an evaluation and an interpretation of a range of primary sources dealing with the Thai past; understanding of how history is written

#### **ICGS 114 Power, Money and Behavior of Powerful States**

**4**

##### **Prerequisites: -**

Understanding the motives behind the inter-state relations; the increase of power, wealth and international prestige; tools states use to achieve objectives and the challenges of decision-making; foreign policies of the great power states having permanent seats and veto power on the UN Security Council; middle-power states including economically and politically advanced countries; critical issues such as nuclear weapons in North Korea; the war in Afghanistan; democratization or terrorism in failing states; and world trade; patterns and trends of foreign policy making of powerful states during the last century individually and in comparison with other states; case studies illustrating the policy decision-making to meet the contemporary international challenges

#### **ICGS 115 Sociology in the Modern World**

**4**

##### **Prerequisites: -**

Sociology as a field of study explaining social, political, and economic phenomena; social interactions and social organizations; sociological perspectives; methodologies and sociological insights; topics relevant to the modern world including culture, social groups, socialization process, deviance, family, religion, social inequality, gender, economic, politics, the media, and social change

#### **ICGS 116 Power and Politics**

**4**

##### **Prerequisites: -**

The understanding of the politics and the political systems of the current world; interactions and connections of different ideas; systems of thought and conflict in contemporary society; an analysis of political phenomenon

#### **ICGS 117 Overcoming Stereotypes, Prejudice and Discrimination**

**4**

**Prerequisites: -**

An analysis of psychological theories; psychological approaches to stereotypes, discrimination and prejudice; the emotional, behavioral and cognitive implications; the impact on our behavior and society; debiasing and metacognition

**ICGS 118 Skills in Dealing with People Across Cultures****4****Prerequisites: -**

The development of skills in dealing with people across cultures, covering topics such as: communication across cultures; parenting in different cultures; understanding consumers from different cultural backgrounds; emotions and motivation across cultures as well as approaches to deal with cultural diversity at work

**ICGS 119 World Politics****4****Prerequisites: -**

Different disciplinary perspectives on world politics; historical, geographical, anthropological, economic, and political approaches; specific regions in the world politics

**ICGS 120 Global Awareness****4****Prerequisites: -**

The state of the world: key facts and trends of geography, economy, society, politics and the environment; global relationships: key economic, political, and environmental relations and trends; Thailand in the world: how Thailand impacts the world, and vice versa

- **Psychological Literacy**

**ICGS 121 Abnormal Colleagues: how do I make this work?****4****Prerequisites: -**

The stigma of psychological issues; the fear of the workplace gossips and job security; an avoidance of getting treatment and counseling; a recognition of various disorders and devising strategies to effectively communicate and work with people; improving the workplace productivity and relationships

**ICGS 122 Propaganda, Nudge Theory and Marketing: How to resist?****4****Prerequisites: -**

An examination of the science behind the 'mind control' and its implementation in the current society; an investigation of real and possible counter-strategies; a detailed psychological and socio-economic analysis of subtle oppressions of human autonomy in institutional, social, political, and economic practices

**Physical Education****ICGP 101 American Flag Football****1****Prerequisites: -**

A ball based sport course emphasizing techniques; non-contact game play, including dodging, throwing, and catching and the development of teamwork management, communication, and terminology

**ICGP 102 Badminton****1****Prerequisites: -**

A racket based sport course stressing technique, strategies, grip, serving, positioning and movement; game play in both singles and doubles

**ICGP 103 Basketball****1****Prerequisites: -**

A ball based sport course emphasizing attentiveness, dribbling, passing, shooting, rebounding, ball control, game play, and the development of game strategies



|                                                                                                                                                                                                                                       |          |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>ICGP 104 Body Fitness</b>                                                                                                                                                                                                          | <b>1</b> |
| <b>Prerequisites: -</b><br>A comprehensive course in one or more exercise techniques: strength/resistance, cardio, plyometric, stretching, high-intensity interval training, and calisthenics; to maintain health and wellness        |          |
| <b>ICGP 105 Cycling</b>                                                                                                                                                                                                               | <b>1</b> |
| <b>Prerequisites: -</b><br>A course designed on cycling instruction for safety, fitness, riding techniques, posture, communication, knowledge of the equipment and hazards, for recreational and commuter cycling                     |          |
| <b>ICGP 106 Discover Dance</b>                                                                                                                                                                                                        | <b>1</b> |
| <b>Prerequisites: -</b><br>A dance based course of current forms and techniques in one or more categories: African/Jazz, Worldwide Dances/Latin Dances, Professional Performance Dance, Modern Dance, Hip-hop/Funk                    |          |
| <b>ICGP 107 Golf</b>                                                                                                                                                                                                                  | <b>1</b> |
| <b>Prerequisites: -</b><br>A club based game course designed on developing correct grip, stance, posture, swing, and the knowledge of equipment, rules, regulations, and etiquette                                                    |          |
| <b>ICGP 108 Mind and Body</b>                                                                                                                                                                                                         | <b>1</b> |
| <b>Prerequisites: -</b><br>A course stressing meditation postures, techniques, movement, and breathing to achieve the positive mental state                                                                                           |          |
| <b>ICGP 109 Selected Topics in Sports</b>                                                                                                                                                                                             | <b>1</b> |
| <b>Prerequisites: -</b><br>Learning concepts, rules and strategies through planned and structured movements by way of sport or activity to enhance a healthy lifestyle                                                                |          |
| <b>ICGP 110 Self Defense (Striking)</b>                                                                                                                                                                                               | <b>1</b> |
| <b>Prerequisites: -</b><br>An external martial arts (striking) course emphasizing hard physical impact and exertion, muscular strength and tension, maximizing speed and power, through the body coordination                         |          |
| <b>ICGP 111 Self Defense (Grappling)</b>                                                                                                                                                                                              | <b>1</b> |
| <b>Prerequisites: -</b><br>An internal martial arts (grappling) course stressing timing, awareness, precision, and techniques, using the body leverage for throwing, take downs, pins, and submissions                                |          |
| <b>ICGP 112 Soccer</b>                                                                                                                                                                                                                | <b>1</b> |
| <b>Prerequisites: -</b><br>A ball based sport course stressing alertness, ball control, including dribbling, passing, trapping, shooting, ball movement, game play, and development of strategies through drills and competitive play |          |
| <b>ICGP 113 Social Dance</b>                                                                                                                                                                                                          | <b>1</b> |
| <b>Prerequisites: -</b><br>A dance based social sport or activity course of choreographed movements, styles and regulations from the International Ballroom (Standard) and the International Latin dances                             |          |

**ICGP 114 Swimming****1****Prerequisites: -**

A water based sport course stressing swimming techniques, breathing, and knowledge of buoyancy, propulsion, and water safety

**ICGP 115 Tennis****1****Prerequisites: -**

A racket based sport course of techniques, strategy, grip, serve, game play, ball tracking, timing, shot control, through drills, live ball hitting sessions, and competition

**ICGP 116 Volleyball****1****Prerequisites: -**

A ball sport course emphasizing passing, setting, serving, developing strategies, positions, game play, teamwork management, and communication



**Mahidol University**  
International College