COURSE DESCRIPTIONS

MSMA CORE COURSES

MKT

Marketing Management

500

Prerequisites: None

The course introduces marketing management theories and concepts involving in the analysis of marketing environment, planning and implementation of marketing programs (product, price, place and promotion) and marketing strategies to attract, satisfy, and retain customers. The course enables students to develop marketing strategies and framework with moral, socially responsible and ethical consideration.

Credit Hours:	3
Course Delivery:	Classroom
Group:	Core

This course is a prerequisite for None.

MKT

Marketing Research

617

Prerequisites: None

This unit provides a rigorous experience in market research methods and frameworks to guide when which technique is most useful. The course is aimed at individuals whose decision-making is enhanced through marketing research, which transforms "data" into "information." The unit will introduce types of research, techniques of data collection, evaluation of alternative sources of information, methods for analyzing data and presenting the results.

Credit Hours:	3
Course Delivery:	Classroom
Group:	Core

This course is a prerequisite for None.

MKT

Marketing Analytics

610

Prerequisites: None

The primary objective of this course is to provide students with foundational knowledge and a basic skill set required for a market analyst. This course objective is aligned mainly with "Creative Management Foundation", one of the SolBridge's five mission-based goals. It is also supplemented by a variety of real-world examples used in class lectures.

Credit Hours:	3
Course Delivery:	Classroom
Group:	Core

This course is a prerequisite for None

MKT

Computer Programming with Python

618 Prerequisites: None

This course deals with applications of Python programming language to business problems. Topics include how to get started with Python, numbers and strings, loops, functions, lists, data files, summarizing and visualizing data, and big data applications.

Credit Hours:	3
Course Delivery:	Classroom

Group: Core

This course is a prerequisite for: None.

MKT

Computer Programming with R

619

Prerequisites: None

This course introduces the basics of computer programming R language. Topics include programming with R using data types, algorithms, object-oriented analysis and design. The course also takes up various programming techniques such as design, implementation, testing, trouble shooting and documentation

Credit Hours:	3
Course Delivery:	Classroom
Group:	Core

This course is a prerequisite for: Regression Analysis with R for Business.

MKT

Regression Analysis with R for Business

620

Prerequisites: Computer Programming with R

As most research in social sciences is aimed at quantifying relationships among variables that either measure the outcome of some process or are likely to affect the process, where the process in question could be any economic, business, or management process of interest to the social scientist. The quantification of the process may be as simple as determining the degree of association or as complicated as estimating the parameters of a detailed nonlinear system.

Regardless of the complexity of the model, the most powerful and widely used statistical method for estimating the parameters of interest is the method of least squares. Researchers choose the most appropriate model for the project at hand, the parameters of the model are then estimated such that model predictions and the observed data are in as good agreement as possible as measured by the least squares criterion, minimization of the sum of squared differences between the predicted and the observed points. In Applied Regression Analysis with R, we will learn what is and how to use regression by analyzing a variety of real world problem. Heavy emphasis will be placed on analysis of actual datasets. Topics covered include: review of probability and statistics; simple linear regression (SLR); multiple linear regression (MLR); inference; dummy variables; asymptotics; further issues on MLR; heteroskedasticity; specification and data problems; limited dependent variables; time series; instrumental variables (IV) and two-stage least squares (2SLS) (optional); simultaneous equations (optional); panel data (optional).

Credit Hours:	3
Course Delivery:	Classroom
Group:	Core

This course is a prerequisite for: None.

BUS

Field Study in Korea

693 Prerequisites: None This course focuses on developing our students' Global Perspective and Credit Korean Expertise. Students must be aware of the impact of Korean Culture Hours: on managing in and across various business types and segments in the Course Classroom Korean Market. During this course, students will visit business sites to gain **Delivery:** real experiences and try to solve business issues guided by hosting Group: Core companies.

This course is a prerequisite for: None.

MSMA REQUIRED COURSES (GRADUATION REQUIREMENT FOR REGULAR STUDENTS)

International Immersion BUS

692

Prerequisites: None In this course, students can have 2 options:

- 1. Study as exchange students at one of Solbridge's partner universities around the world or
- 2. Conduct self-development study by visiting international organizations to find potential issues and to suggest solutions.

Credit Hours:	3
Course Delivery:	Classroom
Group:	Core

3

This course is a prerequisite for: None.

BUS **Capstone Project**

690

Prerequisites: None

This course is intended to engage students in a real-world business consulting project. This course serves as a bridge between classroom material and practical application. Students apply their previously learned material from the curriculum to craft a comprehensive, data-informed business strategy.

Credit Hours:	3
Course Delivery:	Classroom
Group:	Core

This course is a prerequisite for: None.

BUS Internship

691 Prerequisites: None

This course intends to provide students with an opportunity to gain work experience in their field of study. Students will get exposure to the working environment of the industry in which they hope to build their career. By working closely with business managers and other staff, students will develop an understanding of the opportunities as well as real life challenges and issues surrounding workplaces. During the internship, students will be able to practically apply the theories they learned in their classrooms.

Credit Hours:	3
Course Delivery:	Classroom
Group:	Core
Group.	Col

MSMA ELECTIVE COURSES

MKT

Database Marketing

640

Prerequisites: None

The dramatic increase of computing power in conjunction with the availability of accurate customer data opens up a new avenue of applying sophisticated database marketing technologies to customer analysis in various industries. Accordingly, over the last few decades the marketing paradigm has shifted from a product-driven to a customer-driven marketing in which the unit of analysis is an individual customer. Given this new trend in marketing practice, this course forwards an up-to-date overview of customer-centric database marketing in practice in tandem with the fundamental concepts of database marketing. Students then will learn about how and why companies in the real world use database marketing to better manage the relationship with their customers.

Credit Hours:	3
Course Delivery:	Classroom
Group:	Elective

MKT

Social Media and Digital Marketing

639

Prerequisites: None

Social Media and Digital Marketing teaches the specific strategies and tactics necessary to analyze and develop sophisticated interactive marketing programs in social media platforms. This course introduces best practices in social media and works on websites that include Facebook, LinkedIn, Google+, Twitter, etc., as well as blogs, feedback mechanics, and more.

Credit Hours:	3
Course Delivery:	Classroom
Group:	Elective

MKT

Pricing Analytics

638

Prerequisites: None

Pricing Analytics teaches how to model and identify opportunities for pricing optimization in different business contexts. This course feeds the set of practices to students and equips them with tools that firms in various industries use to quantitatively model consumer demand and tactically optimize their pricing strategies. Students also will be doing a hands-on dive into the learned tools in the context of real business case studies and data sets.

Credit Hours:	3
Course Delivery:	Classroom
Group:	Elective

MKT

Data Analytics for Business

637

Prerequisites: None

Digitalization has transformed business management in big ways. These days most business transactions, operations and communications are being conducted online. Employees, suppliers and customers are interacting with each other in unprecedented ways and scales. As a result, new generation enterprise systems, social networking sites, cloud and mobile-based apps are generating troves of business data (BIG DATA). Firms are still grappling with the challenges related to

Credit Hours:	3
Course Delivery:	Classroom
Group:	Elective

SolBridge 2021

these newer, bigger and fast-changing datasets. The demand for data modelers, business analysts and data scientists – capable of mining actionable intelligence from big data – has outpaced the number of available professionals.

This course aims to introduce participants to data science and applications of big data analytics technologies for business decision support. It would provide a helicopter view of the full data analytical cycle to the participants involving problem definition, data mining, modeling, data analysis and its application to business decision-making. Along the way, it will also equip the participants with most relevant tools and skills in each of the phases of the data analytic cycle. Although the course does not involve or require programming knowledge neither does it goes deep into technologies like in-memory databases, artificial intelligence and machine learning, owing to the technical nature of the subject, participants are expected to be willing to invest time in learning several supporting concepts and tools to make full sense of the discussed topics.

BUS 503

Managerial Skills

Prerequisites: None

This course introduces the student to the basic skills for managing people and organizations as well as how to understand different backgrounds of different people so that they can communicate each other. The course deals with motivation, individual and group decision-making, conflict, power and politics, leadership, job design, performance maintenance, organizational environment, organization structure and design, and emerging trends and challenges.

Credit Hours:	3
Course Delivery:	Classroom
Group:	Elective

MKT

Business Communication

636 Prerequisites: None

An emphasis on the practical application of theories and principles to the development of those writing skills essential to communication encounters in the business world. The course includes practice in writing business letters, resumes, memos, instructional materials and reports, and using visual aids. Offered for students enrolled in applied science and technology. A highly practical course, it teaches you to: compose clear, concise memos, letters, and short reports write an effective job application letter and resume use visual aids in oral and written presentations practice developing and using appropriate illustrations for business documents use visual aids in written presentations increase the student's ability to analyze information and organize it into written reports develop a familiarity with formats for short business reports such as progress, trip and incident reports.

Credit Hours:	3
Course Delivery:	Classroom
Group:	Core

MIB

International Business in Asia

601

Prerequisites: None

The course provides an overview of the means of conducting international business. The course will explore the effects of social, political and economic systems across the globe on the conduct of international business. The course also deals with theoretical frameworks explaining international business, the

Credit Hours:	3
Course Delivery:	Classroom

emergence of institutions and trading blocs, and their impact on international business with a focus on Asia. Further, This course will help managers understand core differences and similarities in management practices across China, India, Japan, Taiwan, Korea and the ASEAN block of nations. Students will also learn the appropriate management practices and behaviors in these major economic blocks of Asia so that they can adapt to the context.

Group: Elective

INF

Management Information Systems

500

Prerequisites: None

Information Technology (IT) has become a vital part of the operations and management of organizations of every kind and size. Increasingly, the successful manager is the one who knows how to take advantage of this situation by deploying IT in the most effective manner. This course covers the general structure of Information Technology applications and their use. It also delves into the different kinds of information systems that managers are likely to encounter and investigates how to make best use of these systems.

Credit Hours:	3
Course Delivery:	Classroom
Group:	Elective

TBD

Doing Business in Korea

Prerequisites: None

This course is designed to engage and expose students to Korean Business & Culture. It is a practical course to raise awareness, knowledge & insights about business culture in Korea. Given this, students will be able to gain appreciation & understanding in to Korean business culture; thus enhancing your development of cross-cultural & international management skills.

Credit Hours:	3
Course Delivery:	Classroom
Group:	Elective

MIB

Doing Business in China

613

Prerequisites: None

The broad objective of this course is to introduce students to the contours of the Chinese economy and financial markets as well as to the nuances of business strategy to follow while doing business in China. In 2010, China has become the second largest economy in the world, and in 2009, she became the largest exporter. As China assumes a primal place in the global economy, businesses need to have a China-specific business strategy. Students will learn how organizations can strategize for China while adapting to China's special niche and circumstances.

3
Classroom
Elective

TBD

Cybersecurity

Prerequisites: : None

This course will provide a basic introduction to of all aspects of cybersecurity including business, policy and procedures, communications security, network security, security management, legal issues, political

Credit Hours:	2
Course Delivery:	Classroom

issues, and technical issues. Group: Elective

TBD

Digital Business & Innovation

Prerequisites: None

This course provides insight into the emergence of digital business, key concepts, technologies, and strategy. Students will develop an action plan for a 'traditional' business which could adopt digital technologies and strategies. This course is designed for students planning on working in digital businesses, or working in management consultancies.

Credit Hours:	2
Course Delivery:	Classroom
Group:	Elective

.

TBD

Tech Entrepreneurship & Product Development

Prerequisites: None

This course blends traditional development and entrepreneurship processes encouraging students to consider how technology-based solutions can solve economic and socially oriented problems. The course prepares also students for a more technological approach of product development together with an experience-based introduction into the process of starting a technology company.

Credit Hours:	2
Course Delivery:	Classroom
Group:	Elective

TBD

Database Management

Prerequisites: None

This course offers lecture and laboratory practice to provide a foundation in data management concepts and database systems. It includes database management concepts, manipulating data with an interactive query language (SQL) and database development including database security, integrity and privacy issues.

Credit Hours:	2
Course Delivery:	Classroom
Group:	Elective

TECH

Software Engineering

Prerequisites: Previous exposure to Programming with R, Programming with Python, Programming with Javascript will be highly recommended

This course aims to help students appreciate the reality software development, with customer needs, budget constraints and delivery schedules to be met. Through hands-on experience, students will gain an exposure of the challenges of software development, along with an understanding of the core software engineering concepts that support current best practice.

Credit Hours:	2
Course Delivery:	Classroom
Group:	Elective

TBD

Strategy for Tech

Prerequisites: None

The focus of the course is on the key concepts, models, and methods that enable managers to effectively manage the development and utilization of technologies. The goal is to develop an awareness of the range, scope, and complexity of the elements, issues, and problems related to economics and management of technology and technological innovations. Students will develop a better understanding of the complex issues surrounding the managerial tasks with respect to technology.

Credit Hours:	2
Course Delivery:	Classroom
Group:	Elective

TBD

Master's Thesis

Prerequisites: None

The primary goal of this course is to help students develop research skills through its focus on writing and critiquing research proposals. This course is open to students enrolled in Master's programs who wish to develop a dissertation or independent research proposal in a structured setting. SolBridge will support these students by connecting them with professors specialized on the topics they choose so that the faculty's role will be to orient and mentor the students towards their objectives.

Professors will follow up the development of the thesis along with the students, instruct them with the best practices & support materials, and gradually evaluate the outcomes and conclusions.

Credit Hours:	3
Course Delivery:	Classroom
Group:	Elective

MKT 637

Data Analytics for Business

Prerequisites: None

Digitalization has transformed business management in big ways. These days most business transactions, operations and communications are being conducted online. Employees, suppliers and customers are interacting with each other in unprecedented ways and scales. As a result, new generation enterprise systems, social networking sites, cloud and mobile-based apps are generating troves of business data (BIG DATA). Firms are still grappling with the challenges related to these newer, bigger and fast-changing datasets. The demand for data modelers, business analysts and data scientists – capable of mining actionable intelligence from big data – has outpaced the number of available professionals.

This course aims to introduce participants to data science and applications of big data analytics technologies for business decision support. It would provide a helicopter view of the full data analytical cycle to the participants involving problem definition, data mining, modeling, data analysis and its application to business decision-making. Along the way, it will also equip the participants with most relevant tools and skills in each of the phases of the data analytic cycle. Although the course does not involve or require programming knowledge neither does it goes deep into technologies like in-memory databases, artificial intelligence and machine learning, owing to the technical nature of the subject, participants are expected to be willing to invest time in learning several supporting concepts and tools to make full sense of the discussed topics.

Credit Hours:	3
Course Delivery:	Classroom
Group:	Elective (Tech)

BUS 540

Statistical Analysis

Prerequisites: None

This is an introductory course in statistics designed to provide students with the basic concepts of data analysis and statistical computing. Topics covered include

Credit Hours: basic descriptive measures, measures of association, probability theory, confidence intervals, and hypothesis testing. The main objective is to provide students with pragmatic tools for assessing statistical claims and conducting their own statistical analyses.

Course Delivery:	Classroom
Group:	Elective

BUS Project Management

640

Prerequisites: None

This course has been intended to equip students with the basic concepts and foundation of project management which include the planning, scheduling, controlling, resource allocation, and performance measurement activities required for successful completion of a project. Accordingly, students would be able to understand the project management lifecycle and be knowledgeable on the various phases from project initiation through closure. Overall, this course helps students in defining a project's scope and tasks, estimating task resource needs, assessing project risk and response strategies, and more understand the critical role that a project manager plays in project success.

Credit Hours:	3
Course Delivery:	Classroom
Group:	Elective

MKT Consumer Behavior and Decision Making

602

Prerequisites: None

This course examines the concepts and principles of customer behavior with the goal of understanding how the consumer behavior influences decision making process. The core topics included are customer psychological processes (e.g., motivation, perception, attitudes, and decision-making) and their impact on marketing (e.g., segmentation, branding, and customer satisfaction) and decision making processes. The goal is to provide a set of approaches to consider while developing marketing strategies and marketing programs.

Credit	:
Hours:	•

MKT Marketing Strategy

613

Prerequisites: None

The marketing strategy forms the core of all marketing decisions in the organizations. The course explains how the decision variables (Product, Price, Place and Promotion) interact with one another to achieve customer value. The course provides emphasis on consumer driven marketing concepts and discusses the marketing strategies focusing towards the achievement of consume driven marketing. The course is application oriented and the students will learn to apply marketing concepts for problem solving and case study situations.

Credit Hours:	2
Course Delivery:	Classroom
Group:	Elective

MKT Marketing Communications and Advertising

615

Prerequisites: MKT500

Credit	
Hours:	2

This course examines the theory and techniques applicable to all the major marketing communication functions: advertising, direct marketing, sales promotions, public relations, and personal selling. It explains how the integrated marketing communications facilitate the marketing mix and marketing strategies. It provides a knowledge base that will allow students to develop integrated marketing communication strategies for marketing plan of organizations. The course provides a special emphasis on the advertisement strategies followed to promote the product and services in domestic and international markets.

Course Delivery:	Classroom
Group:	Elective

MKT

International Marketing

616 Prerequisites: None

This course focuses on marketing strategy and management within the context of global and international markets. It evaluates cultural differences and aims to enhance the skills in developing and implementing marketing strategies and decision making in international contexts. This course will provide practical experience in conducting research and evaluating opportunities existing in international markets, developing plans for exploiting those opportunities, and examine the risks facing business activities in those markets through implementation of marketing plans.

Credit Hours:	2
Course Delivery:	Classroom
Group:	Elective

MKT

Special Topics in Marketing

635

Prerequisites: None

This course offers Investigation and discussion of a selected topic in marketing. One of the following five topics will be chosen for intensive study: (1) industrial marketing management, (2) advanced consumer behavior, (3) product policy, (4) financial aspects of marketing management, (5) marketing in the service sector, etc.

Credit Hours:	2
Course Delivery:	Classroom
Group:	Elective

FIN 601

Investment Analysis

Prerequisites: Strongly Recommended FIN501

This course is to study the concepts of portfolio analysis in the general area of institutional investment management. The course discusses principles for managing investment assets that include equity and fixed-income securities. These principles can be used on corporate investment management, bank-administered trusts, and other institutional investment management. Students will learn the methods to establish appropriate investment objectives, develop optimal portfolio strategies, estimate risk-return tradeoffs, and evaluate investment performance.

Credit	2
Hours:	3
Course Delivery:	Classroom
Group:	Elective

This course is a prerequisite for: None

FIN

Mergers & Acquisitions

602

Prerequisites: Strongly Recommended FIN501

This course is about mergers and acquisitions. Students will be equipped with conceptual and analytical tools needed for mergers and acquisitions. Classroom case discussions and conceptual material will cover a wide range of countries from American, Europe and Asia. Mergers and friendly acquisitions, hostile takeovers and initial public offering will be studied. This course studies the factors of a successful merger or acquisition. Issues about motive and strategy will be discussed, financial theory, social responsibility, and corporate valuation would be used to view these control acquiring transactions. Students will learn to develop a concept and translate that idea into a proposal through deal design; and to analyze to form opinions about proposed deals.

Credit Hours:	3
Course Delivery:	Classroom
Group:	Elective

This course is a prerequisite for: None

FIN Corporate Finance

609 Prerequisites: None

This course is about business finance. It is to provide a framework, concepts, and tools for analyzing financial decisions based on fundamental principles of modern financial theory. The approach is rigorous and analytical. Topics covered include discounted cash flow techniques; corporate capital budgeting and valuation, investment decisions under uncertainty, capital asset pricing, capital structure, cost of capital, dividend policy, options, and market efficiency.

Credit	3
Hours: Course Delivery:	Classroom
Group:	Elective

This course is a prerequisite for: None

Financial Markets and Institutions

FIN 613

Prerequisites: None

This course studies today's financial system. It includes foundational topics on financial instruments, markets and institutions in the US, Europe and Asia, as well as contemporary issues and methods in financial risk management. Students would understand the role of and interdependence between, the different elements in the financial system.

Credit Hours:	3
Course Delivery:	Classroom
Group:	Elective

This course is a prerequisite for: None

Financial Derivatives

FIN 619

Prerequisites: Strongly Recommended FIN501

Valuation methods of options, futures, and related financial contracts will be studied. The topics that will be covered include the valuation of futures contracts on stock indices, on commodities and Treasury instruments; the valuation of options; empirical evidence; strategies with respect to these assets; dynamic asset allocation strategies, of which portfolio insurance is an example; swaps; and the use of derivatives in the context of corporate applications.

Credit Hours:	3
Course Delivery:	Classroom
Group:	Elective

FIN

Special Topic In Finance

635

Prerequisites: None

This course provides the student with an understanding of various aspects of the Financial Management. Students will learn about up-to-dated information and skills in the financial market.

Credit Hours:	3
Course Delivery:	Classroom
Group:	Elective

This course is a prerequisite for: None

FIN 500

Accounting & Decision Making

Prerequisites: None

This course is the accumulation, analysis, and presentation of a business enterprise's relevant financial data for creditors, investors, and other external decision-makers.

Credit Hours:	3
Course Delivery:	Classroom
Group:	Elective

MKT

Business Communication

636

Prerequisites: None

An emphasis on the practical application of theories and principles to the development of those writing skills essential to communication encounters in the business world. The course includes practice in writing business letters, resumes, memos, instructional materials and reports, and using visual aids. Offered for students enrolled in applied science and technology. A highly practical course, it teaches you to: compose clear, concise memos, letters, and short reports write an effective job application letter and resume use visual aids in oral and written presentations practice developing and using appropriate illustrations for business documents use visual aids in written presentations increase the student's ability to analyze information and organize it into written reports develop a familiarity with formats for short business reports such as progress, trip and incident reports.

Credit Hours:	3
Course Delivery:	Classroom
Group:	Elective

BUS 509

Business Economics

Prerequisites: None

Credit Hours:

3

The course introduces the principles of economics, including both microeconomics and macroeconomics, with a special focus on the applications of these principles in business activities. Topics to be covered include consumer theory, producer theory, partial equilibrium theory, general equilibrium theory, game theory, information economics, business cycle analysis, economic growth theory, fiscal policy, and monetary policy analysis.

Course Delivery:	Classroom
Group:	Elective