

written report is presented consisting of a detailed thesis proposal with a review of the literature.

Prerequisite(s): Advanced standing in biotechnology. (1-1; 0-0)

BIOT 410 Senior Thesis (2 sem. hrs.)

Research in a chosen area of biotechnology with a final written report and oral presentation of research finds. Prerequisite(s): BIOL 409, a related directed study in preparation, or instructor's consent. (0-0; 1-2)

BIOT 470 Genomics, Proteomics, Bioinformatics (3 sem. hrs.)

An overview of the interdisciplinary science of genomics, proteomics, and bioinformatics which applies the tools of information technology (computer hardware and software) to analyze biological data such as gene or protein sequences. This course examines the theory of bioinformatics as well as its practical application to biological problems using approaches such as BLAST searches, phylogenetics, and protein structure function analysis.

Cross-listed: BIOL 470.

Prerequisite(s): BIOL 223; BIOL/CHEM 372; and either 3 sem. hrs. of Computing Science or MATH 102. (0-0; 3-3-0)

BIOT 490 Advanced Biotechnology (3 sem. hrs.)

This capstone course in biotechnology considers the theoretical and practical aspects of implementing biotechnology, paying particular attention to current issues including: 1) technology transfer and commercialization; 2) patent protection in biotechnology; 3) Good Laboratory Practices (GLP); 4) Good Manufacturing Practices (Food and Drug Regulations, 2002 edition); 5) Good Clinical Practices (GCP); 6) Research Ethics Board guidelines; 7) validation studies; 8) downstream processing and the recovery of purified products; 9) novel developments in methodology. The course includes a seminar series by industry and regulatory experts and site visits to local biotechnology companies to assess how they have implemented and overcome obstacles to production and quality control.

Prerequisite(s): BIOT 290. (0-0; 3-3)

BUSINESS

BUSI 110 Business in the Global Market (3 sem. hrs.)

An introduction to global business practices. A survey of governmental and corporate practices of major economic systems — Japan, Europe, Pacific Rim, Rhine countries, etc. Different cultural meanings of concepts such as globalization, world class, nimble organizations, empowerment, and teams are explored. The class provides the students with experiential as well as classroom learning to provide a better grasp of the differences in cultures and the adaptation of business concepts.

NB: Offered when available in summer with overseas travel component.

Cross-listed: ECON 110.

Prerequisite(s): Instructor's consent.

NB: Open to Business and non-Business majors.

BUSI 111 Introduction to Business and Management (3 sem. hrs.)

Modern business is studied in its various aspects: economic and social setting, business classifications and financial requirements, business structure and functional areas, basic concepts and techniques, practices and responsibilities, and career opportunities in business.

Prerequisite(s): None. (3-0; 3-0)

BUSI 221 Principles of Accounting I (3 sem. hrs.)

Accounting fundamentals, techniques, principles and concepts. Other topics include the complete accounting cycle, including adjusting and closing entries, the

preparation and interpretation of simple financial statements, inventory treatments, capital assets, and partnership accounting. Students are also required to complete a computer based accounting lab.

Prerequisite(s): None. (3-0; 3-0)

BUSI 222 Principles of Accounting II (3 sem. hrs.)

The first half of the course focuses on financial accounting with topics such as shareholder equity, investments, the cash flow statement, the comprehensive income statement and financial analysis. Students learn to analyze and extract key information from corporate financial statements. The second half of the course focuses on managerial accounting covering topics such as cost-volume-profit analysis and budgeting.

Prerequisite(s): BUSI 221 (3-0; 3-0)

BUSI 241 Personal Financial Planning (3 sem. hrs.)

Personal financial planning is key to the successful accomplishment of our life goals. Topics covered in this course include: foundations in financial planning, asset management, debt management, insurance analysis, investment management, retirement planning, and estate planning.

NB: Open to Business and non-Business students.

Prerequisite(s): None. (3-0; 0-0)

BUSI 275 Business Statistics (3 sem. hrs.)

Statistical tools and knowledge necessary for success in business endeavours. Descriptive statistics, probability (with discrete and continuous distributions), hypothesis testing, regression, and ANOVA. Students learn theory behind the methods, and primarily use spreadsheets as tools for solving advanced problems.

Cross-listed: ECON 275.

Prerequisite(s): MATH 120 or 101; or instructor's consent. (3-0; 3-0)

BUSI 276 Quantitative Analysis (3 sem. hrs.)

Mathematical modeling principles, concepts, and algorithms used in business problem formulation and solution interpretation. Linear, non-linear, and goal programming, project management, decision theory, simulation, queuing, forecasting, and inventory control models. The relationship to modern information systems is also discussed.

Cross-listed: ECON 276.

Prerequisite(s): BUSI/ECON 275, and familiarity with spreadsheet software. (3-0; 3-0)

BUSI 280 Organizational Behaviour (3 sem. hrs.)

Focuses on the nature of individuals and behaviour in organizations. The emphasis of the course is on building a set of conceptual and pragmatic skills useful in understanding and managing interactions among individuals and groups within organizations. By providing a knowledge base of organizational and managerial concepts, and by using cases, videos, exercises and personal inventories, this course develops a student's analytical, diagnostic, and interpersonal skills.

Prerequisite(s): BUSI 111 and second year standing or instructor's consent. (3-0; 3-0)

BUSI 301 Managerial Economics (3 sem. hrs.)

The study of the main principles and techniques of price theory and its practical applications. Major topics covered include price, production and distribution theories, the theory of the firm, risk and uncertainty, game theory, and transaction costs. New developments and/or approaches to microeconomic analysis.

Cross-listed: ECON 301.

Prerequisite(s): ECON 201, 202; MATH 120. (3-0; 0-0)

BUSI 302 Intermediate Macroeconomics for Managerial Decision-Making (3 sem. hrs.)

The main concepts and methods usually used by economists to explain macroeconomic variables: inflation, unemployment, consumption, investment, foreign trade,

monetary and fiscal policies, and economic growth. Classical and Keynesian macroeconomic models are studied and compared in terms of economic statics and dynamics.
NB: May not be offered every year.
 Cross-listed: ECON 302.
 Prerequisite(s): ECON 201, 202. (0-0; 3-0)

BUSI 304 Money and Banking (3 sem. hrs.)
 The study of the role of money, monetary policy, and financial institutions in the Canadian and U.S. economies. The major topics include: interest rates, decision makers, financial asset prices, risk management, banking and financial institutions, and central banks and monetary policy.
 Cross-listed: ECON 304.
 Prerequisite(s): ECON 201, 202. (3-0 or 3-0)

BUSI 311 International Business (3 sem. hrs.)
 The concepts of international trade theories and the role of multinational enterprises in fostering trade across international borders. The political, economic, and cultural environment of international business, global strategies, international competitiveness, country risk analysis, international logistics, marketing, finance, and personnel decisions.
NB: May not be offered every year.
 Cross-listed: ECON 311.
 Prerequisite(s): Third year Business standing. (3-0 or 3-0)

BUSI 317 Investment Theory (3 sem. hrs.)
 A study of financial markets and the various instruments traded on those markets, to include how these instruments are priced. Other topics explored include portfolio theory, market efficiency, and equilibrium, asset analysis, asset allocation, and portfolio management.
 Cross-listed: ECON 317.
 Prerequisite(s): Third year Business standing. (3-0 or 3-0)

BUSI 318 Applied Investments (3 sem. hrs.)
 This course encompasses the Canadian Securities Course (CSC) and will explore investment topics relevant to an investment advisor in the Canadian securities industry. Topics considered in this course include capital markets and their regulation, investment products, portfolio management and managed accounts. The student has opportunity to apply this knowledge through detailed analysis of a specific investment product.
 Prerequisite(s): Third year Business standing. BUSI 342 recommended. (0-0; 3-0)

BUSI 321 Intermediate Accounting I (3 sem. hrs.)
 The role and objectives of financial reporting, the challenges facing GAAP standard setting in Canada, and the gradual move toward international accounting standards. The course also covers revenue recognition and the measurement of inventory.
 Prerequisite(s): BUSI 221, 222 with at least a 2.5 GPA. (3-0; 3-0)

BUSI 322 Intermediate Accounting II (3 sem. hrs.)
 Accounting principles related to capital assets and amortization; investments, contingent liabilities and disclosure, bonds and long term liabilities, capital and operating leases, income tax liabilities, pension and benefits liabilities, shareholder's equity, and earnings per share calculations.
 Prerequisite(s): BUSI 321 with at least a 2.5 GPA. (3-0; 3-0)

BUSI 323 Management Accounting I (3 sem. hrs.)
 Accounting concepts used by management to plan and control their operations. Analyzes accounting information for use in decision making. Cost-volume-profit relationships, the techniques for costing a firm's products and services, the managerial uses of these costs, and the development of budgets.
 Prerequisite(s): BUSI 222. (3-0; 0-0)

BUSI 324 Management Accounting II (3 sem. hrs.)
 The design, preparation, and use of flexible budgets and variances, the cost information required for pricing and product evaluation, management control systems and performance measures, and how to assist in the strategic planning of the firm.
 Prerequisite(s): BUSI 323. (0-0; 3-0)

BUSI 331 Basic Marketing (3 sem. hrs.)
 The basic considerations affecting the domestic and international marketing of goods and services: the nature of marketing activities and marketing institutions, the function and responsibility of an effective marketing system as well as its role in the economy, the manner in which various forces influence the marketing process, and the analysis of marketing concepts, policies and practices.
 Prerequisite(s): BUSI 221; 280; ECON 201; or instructor's consent. (3-0; 3-0)

BUSI 334 Sales Management (3 sem. hrs.)
 Case studies and textual material relating to various aspects of sales management such as marketing strategy, planning the sales function, organizing and controlling the sales effort, sales analysis and evaluation, management of the sales force, and personal selling.
 Prerequisite(s): BUSI 331. (3-0 or 3-0)

BUSI 335 Consumer Behaviour (3 sem. hrs.)
 This course explores the ways human beings think about buying the products and services they need, want, or desire in order to help the creators of products and services better design and deliver them. This understanding of what we term consumer behaviour is a fundamental key to all marketing decisions and programs. This course explores the psychology of the buying process from awareness of need to post-purchase evaluation. Students are exposed to numerous theories including psychology, sociology, economics, education, and marketing to explain why and how consumers buy the products and services they do.
 Prerequisite(s): BUSI 280; ECON 201 (3-0 or 3-0)

BUSI 342 Business Finance (3 sem. hrs.)
 A study of the functions of a financial manager to include financial analysis and planning, risk management, valuation, cost of capital, leverage and capital structure, dividend policy, capital budgeting, working capital management, and international finance.
 Prerequisite(s): MATH 120 or 101; BUSI 221, 222, 275; or instructor's consent. (3-0; 3-0)

BUSI 345 Business Law I (3 sem. hrs.)
 A general overview of business law with specific focus on the law of contracts. Attention is given to offer and acceptance, consideration, assignment, discharge, breach and remedies available at law.
 Prerequisite(s): Third year Business standing. (3-0; 3-0)

BUSI 346 Business Law II (3 sem. hrs.)
 This course follows up on BUSI 345 and includes the concepts of the contract of sale, agency, bailment, insurance and guarantee, negotiable instruments, employment, real property, mortgages, partnerships, the nature and operation of corporations, credit transactions and government regulation of business.
 Prerequisite(s): BUSI 345. (3-0; 3-0)

BUSI 351 Industrial Relations (3 sem. hrs.)
 The course focuses on the nature of union-management relations in organizations. The course emphasis is on building a set of conceptual skills useful in understanding the industrial relations system within organizations in Canada. By using cases, videos, and exercises, students discuss laws and practices of unionization, the negotiation and administration of collective agreements, and a variety of dispute-resolution procedures.
 Prerequisite(s): BUSI 280; third year standing. (0-0; 3-0)

BUSI 352 Human Resources Management I (3 sem. hrs.)

A practical study on how organizations obtain, maintain, and retain their human resources that enable them to achieve their objectives. Topics covered include: human resource planning, recruitment and selection, performance management, and training and development.

Prerequisite(s): BUSI 280; third year standing. (3-0; 0-0)

BUSI 353 Human Resources Management II (3 sem. hrs.)

Building a set of conceptual and pragmatic skills needed in the HR profession. Topics include: understanding the role of the internal consultant; identifying, developing, implementing employee involvement programs and creating empowering work environments; developing total compensation programs; understanding all the components of workplace health and safety; and knowing how an HRIS can be effectively utilized.

Prerequisite(s): BUSI 280; 352; and third year standing. (0-0; 3-0)

BUSI 363 Organizational Design and Development (3 sem. hrs.)

The course focus is on how to design and maintain organizational effectiveness through developing appropriate levels of control and coordination. This course introduces and critically examines the current theories and approaches to the management and structural design of organizations, and assesses their relevance and usefulness to organizations wanting to remain competitive in a rapidly changing marketplace.

Prerequisite(s): BUSI 280; third year standing. (3-0; 0-0)

BUSI 370 Business Information Systems (3 sem. hrs.)

The impact of information technology and the ways in which organizations can achieve competitive advantage and support of key business functions through the strategic design, deployment, and use of information technology. The utilization of spreadsheet, database management, and project management software to manage the design, deployment and use of information technology within an organizational setting.

Cross-listed: ISYS 370.

Prerequisite(s): Knowledge of Microsoft Office Suite, third year standing. (3-0; 3-0)

BUSI 371 Systems Development (3 sem. hrs.)

Current principles, concepts and techniques related to the design, development, and deployment of business computer information systems. Focus on the use of various systems analysis and design models, for example, uniform modeling language (UML), and various software tools, e.g., computer-aided design system environment (CASE).

NB: May not be offered every year.

Cross-listed: ISYS 371.

Prerequisite(s): Third year standing; BUSI/CSI 370; and knowledge of Microsoft Office Suite. (3-0 or 3-0)

BUSI 372 Enterprise Resource Planning Software (3 sem. hrs.)

The design principles of enterprise wide information systems such as customer relationship management, supply chain management, decision support systems, executive support systems, and data mining techniques.

NB: May not be offered every year.

Cross-listed: ISYS 372.

Prerequisite(s): Third year standing, Microsoft Office Suite; and BUSI 276; 342; BUSI/ISYS 370. (3-0 or 3-0)

BUSI 377 Management Science (3 sem. hrs.)

This course considers the various operative models by which firms attempt to create value. Topics include quality theory, quality measurement, production/supply chain planning and execution, process design, and project management. The course also covers information tools necessary for effective operations, and management of the service content of the firm's products.

Cross-listed: ISYS 377.

Prerequisite(s): BUSI 276; MATH 120. (3-0 or 3-0)

BUSI 381 Production and Operations Management (3 sem. hrs.)

The management of operations variables and their part in the overall business strategy. Topics include: allocation and scheduling of resources, inventory and quality control, personnel needs, how to achieve production efficiencies and cost control, operation layout and design, and standards and methods development. Quantitative management tools are incorporated.

NB: May not be offered every year.

Prerequisite(s): BUSI 276, 280. (3-0 or 3-0)

BUSI 411 Business in the Global Market (3 sem. hrs.)

An introduction to global business practices. A survey of governmental and corporate practices of major economic systems — Japan, Europe, Pacific Rim, Rhine countries, etc. Different cultural meanings of concepts such as globalization, world class, nimble organizations, empowerment, and teams are explored. The class provides the students with experiential as well as classroom learning to provide a better grasp of the differences in cultures and the adaptation of the concepts.

NB: Offered when available in summer with overseas travel component.

Cross-listed: ECON 411.

Prerequisite(s): Permission of the instructor. (3-0 or 3-0)

BUSI 412 International Economic Competitiveness (3 sem. hrs.)

This course studies the competitiveness of companies in different countries and regions given ever-changing economic conditions and policies. The course reviews factors that determine competitive advantage including factor conditions, demand conditions, supporting industries, firm strategy, and government policy.

NB: May not be offered every year.

Cross-listed: ECON 412

Prerequisite(s): ECON 201, 202; third year standing. (3-0 or 3-0)

BUSI 421 Advanced Accounting (3 sem. hrs.)

Business combinations, foreign currency transactions, translation of foreign financial statements and the move toward international accounting standards. Students acquire skills and knowledge to analyze information from a consolidated Canadian public company with foreign currency transactions. Accounting for non-profit organizations, segmented reporting and interim financial reporting.

Prerequisite(s): BUSI 321. (0-0; 3-0)

BUSI 426 External Auditing: Concepts and Methods (3 sem. hrs.)

Professional ethics and auditor responsibilities, legal liability and corporate governance issues. The strategic systems approach to auditing; preparing audit procedures that focus on the identified key areas of risk; the internal control system and audit reports; fraud awareness auditing; internal auditing; public sector auditing; and the movement toward international auditing standards.

Prerequisite(s): BUSI 321. (3-0; 0-0)

BUSI 428 Canadian Taxation (3 sem. hrs.)

An initial examination of Canadian Income Tax legislation. Historical, legal, and theoretical background concerning taxation in Canada are presented. Current legislation is covered with emphasis on tax-planning opportunities for individuals and corporations.

NB: May not be offered every year. Contact Accounting Program coordinator.

Prerequisite(s): BUSI 221, 222; third year standing. (3-0 or 3-0)

BUSI 430 Marketing Research (3 sem. hrs.)

The course covers the role of research in the decision-making process. Objectives: first, to give some familiarity with the tools of research that are available; second, to

learn by doing, i.e., to design and execute a research project; third, to provide some practice in the handling and interpretation of research results.

Prerequisite(s): BUSI 275, 276; 331; third year Business standing. (3-0 or 3-0)

BUSI 435 Marketing Management (3 sem. hrs.)

The concepts and problems associated with the management of the marketing function. The development of problem-solving and effective communication skills, primarily through the use of the case study method.

Prerequisite(s): fourth year Business standing. (3-0 or 3-0)

BUSI 437 Advertising and Promotional Strategy (3 sem. hrs.)

A study of advertising and promotional strategy. Promotional planning, the various media, and the mechanics of advertising. Ethics and advertising's role in modern society.

Prerequisite(s): BUSI 331; third year Business standing. (3-0 or 3-0)

BUSI 441 Advanced Topics in Business Finance (3 sem. hrs.)

An in-depth look into advanced financial topics from personal, business, and investment finance. Topics covered include risk management, derivatives, and portfolio management. Case studies along with group projects are used to communicate these principles.

Prerequisite(s): BUSI 317 or 318, 342. (3-0 or 3-0)

BUSI 442 Advanced Personal Financial Planning (3 sem. hrs.)

This course is the capstone for the financial planning track and will take an in-depth look into advanced personal finance topics. Topics covered include family law, risk management, retirement planning, estate planning and practice management. Case studies along with group projects are used to communicate these principles.

Prerequisite(s): BUSI 241; 304, 317 or 318; 428. (3-0 or 3-0)

BUSI 446 Commercial Legal Relations (3 sem. hrs.)

The legal environment within which businesses must function, especially the legal relationships between individuals and commercial organizations. The legal relationships between the corporation and shareholders, directors, employees, financiers, debtors, lawyers, and society in general.

NB: May not be offered every year.

Prerequisite(s): BUSI 345, 346. (3-0 or 3-0)

BUSI 470 Information Systems Project/Internship (3 or 4 sem. hrs.)

Application of several business disciplines and information systems concepts, principles, and practice in an actual business information system. Students are expected to develop a complex business information systems project. Students work closely with both the professor and individuals in the information systems profession. Students may also take the course as an internship while actually working for an enterprise in an information systems position.

Cross-listed: ISYS 470.

Prerequisite(s): Fourth year standing; Microsoft Office Suite, and BUSI 221, 222, 280; 342, 370, 371. (0-0; 3/4-0)

BUSI 480 Leadership in the Global Context (3 sem. hrs.)

This course addresses issues faced by leaders working in settings throughout the globe. Students examine approaches to leadership and develop an understanding of the important role culture plays in multi-cultural organizational contexts. Cross-cultural communication, cultural intelligence, and individual and organizational behaviour in various cultures is studied. Particular attention is given to the servant leadership approach and how to develop the mindset of an effective leader in both non-governmental and for-profit organizational contexts.

NB: May not be offered every year.

Cross-listed: ECON 480.

Prerequisite(s): Third year standing. (3-0 or 3-0)

BUSI 481 Business Ethics (3 sem. hrs.)

Role of business in contemporary society where multiple demands are placed upon it, responsibility of a corporation to its many constituencies, responsiveness to changing cultural climate. A biblical basis for business ethics.

Prerequisite(s): Third year Business standing. (3-0 or 3-0)

BUSI 484 Strategic Management (3 sem. hrs.)

A capstone, integrative course that focuses on how firms formulate, implement, and evaluate strategies. Strategic management concepts and techniques; comprehensive strategic analyses of organizations.

Prerequisite(s): Fourth year Business standing. (3-0; 3-0)

BUSI 486 Small Business & Entrepreneurship I (3 sem. hrs.)

A capstone, integrative course focused on key concepts of entrepreneurship: the nature and role of the entrepreneur; creating and organizing new ventures; the tools and techniques needed to facilitate and plan a new enterprise; and the insight and judgment skills required in dealing with new venture management. Preparation and presentation of a comprehensive business plan.

Prerequisite(s): Fourth year Business standing. (3-0; 3-0)

BUSI 487 Small Business and Entrepreneurship II (3 sem. hrs.)

Entrepreneurial finance; obtaining venture and growth capital; valuation, structure, and negotiation of a deal; and obtaining debt capital. Managing rapid growth and entrepreneurship beyond the start-up; the entrepreneur and the troubled company; the harvest and beyond.

Prerequisite(s): Fourth year Business standing.

Recommended: BUSI 486. (0-0; 3-0)

BUSI 490 Integrative Group Project (3 sem. hrs.)

The course requires students to apply several business disciplines, in an actual business setting, to the development of a complex business project. Students work closely with both the professor and individuals in the business community.

NB: May not be offered every year.

Cross-listed: ISYS 490.

Prerequisite(s): Fourth year Business standing or permission of instructor. (3-0 or 3-0)

BUSINESS ADMINISTRATION, GRADUATE COURSES

CORE BUSINESS COURSES

MBA 501 Marketing Management (3 sem. hrs.)

The course explores the theoretical underpinnings of the discipline of marketing in order to develop a conceptual framework to critique the practice of marketing in the early 21st century. The course utilizes extensive case analysis techniques to enhance the manager's ability to develop and critique marketing plans in both the for-profit and non-profit sectors.

MBA 521 Managerial Accounting (3 sem. hrs.)

Managerial Accounting provides managers with an understanding of internal reporting of operating results, including the tools they need to interpret key financial information and improve overall performance. Management accounting plays a vital decision making role in today's lean organization. Topics include cost concepts and applications, cost-volume-profit relationships, product costing, budgeting, and standard costing.

MBA 525 Managerial Economics (3 sem. hrs.)

The course applies economic theories and quantitative methods to management decision making. Solutions for many important management decision problems in the areas of product selection, pricing, investment, and organization design can be found in managerial economics using relevant