



fie.hcmute.edu.vn

TRƯỜNG ĐẠI HỌC
SƯ PHẠM KỸ THUẬT TP. HỒ CHÍ MINH
KHOA ĐÀO TẠO QUỐC TẾ

UNDERGRADUATE CURRICULUM MANUAL
INDUSTRIAL MANAGEMENT

2021

I. CURRICULUM

1st Semester

No	Course ID	Course Title	Credits	Note
1	ECON230206E	Economics	3	
2	INMA130106E	Introduction to Industrial Management	3(2+1)	
3	GELA220405E	General Laws	2	
4	LLCT130105E	Philosophy of Marxism and Leninism	3	
5	MATH132701E	Economic Math 1	3	
6	EHQT130137E	Academic English 1	3	
7	EHQT230237E	Academic English 2	3	
8	PHED110513E	Physical Education 1		
Total			20	

2nd Semester

No	Course ID	Course Title	Credits	Note
1	BLAW220308E	Business Law	2	
2	PRAC230407E	Principles of Accounting	3	
3	FUMA230806E	Fundamental Management	3	
4	MATH132801E	Economic Math 2	3	
5	LLCT120405E	Scientific socialism	2	
6	LLCT120205E	Political economics of Marxism and Leninism	2	
7	APCM220307E	Applied Computing	2	
8	Choose 1 selective among general courses in social science		2	
9	EHQT330337E	Academic English 3	3	
10	PHED110613E	Physical Education 2		
Total			22	

3rd Semester

No	Course ID	Course Title	Credits	Note
1	BCOM320106E	Business Communication	2	
2	ECOM431308E	Ecommerce	3	
3	OPRE230706E	Operation Research	3	
4	MATH132901E	Mathematical Statistics for Engineers	3	
5	LLCT120314E	Ho Chi Minh's ideology	2	
6	EDDG220120E	Engineering Drawings	2	
7	RMET220306E	Research Method	2(1+1)	
8	Choose 1 selective among general courses in social science		2	
9	EHQT430437E	Academic English 4	3	
10	PHED130715E	Physical Education 3		
Total			22	

4th Semester

No	Course ID	Course Title	Credits	Note
1	BCUL320506E	Corporate Culture	2	
2	LLCT220514E	History of Vietnamese communist party	2	
3	OPMA340806E	Operation Management	4	
4	BSTA231006E	Business Statistics	3	
5	DANA220606E	Data Analysis	2(1+1)	
6	SCWR220706E	Scientific Writing	2	
7	Choose 1 selective in fundamental courses (group A)		3	
8	BENG230706E	Business English 1	3	
Total			21	

5th Semester

No	Course ID	Course Title	Credits	Note
1	MAAC331307E	Managerial Accounting	3	
2	MAIS430306E	Management Information System	3	
3	MAMA330906E	Marketing Management	3	

4	INMA321506E	Inventory Management	2	
5	FIMA430807E	Financial Management	3	
6	Choose 1 selective in fundamental courses (group A)		3	
7	BENG220806E	Business English 2	2	
Total			19	

6th Semester

No	Course ID	Course Title	Credits	Note
1	EPNS120406E	Enterprise Start-up	2	
2	MAIM330406E	Maintenance Management	3	
3	TQMA331606E	Total Quality Management	3	
4	TEMA321406E	Technology Management	3	
5	HRMA331206E	Human Resource Management	3	
6	PROM430506E	Project Management	3	
7	Choose 1 selective in Specialized courses (group B)		3	
Total			20	

7th Semester

No	Course ID	Course Title	Credits	Note
1	SSFU420906E	Six Sigma Fundamental	2	
2	LEAN420806E	Lean Manufacturing	2	
3	ENPR221106E	Enterprise Seminar	2	
4	INTE421106E	Internship	2	
5	Choose 1 selective in Specialized courses (group B)		3	
Total			11	

8th Semester

No	Course ID	Course Title	Credits	Note
1	IMGR451206E	Thesis	5	
Total			5	

Selective social science courses: 4 credits

No.	Course ID	Course Title	Credits	Note
	Choose 02 among the 5 courses			
1	PLSK320605E	Planning Skill	2	
2	BPLA121808E	Business Plan	2	
3	SYTH220505E	Systems Thinking	2	
4	INLO220405E	Introduction to Logics	2	
5	PRSK320705E	Presentation Skill	2	

Selective courses (group A): 6 credits

No.	Course ID	Course Title	Credits	Note
	Choose 02 among 04 courses			
1.	CADM230320E	Computer-Aided Design and Manufacturing	3	
2.	AMAP432225E	Automation of Production Process	3	
3.	ELEN232044E	Electrical Engineering	3	
4.	WEDE330484E	Web Design	3(2+1)	

Selective courses (group B): 6 credits

No.	Course ID	Course Title	Credits	Note
	Choose 02 among 07 courses			
1.	PRAN331106E	Project Analysis and Evaluation	3	
2.	SEMA330907E	Security Market	3	
3.	ERPS431208E	Enterprise Resource Planning	3	
4.	ORBE330306E	Organizational Behavior	3	
5.	SPCR431606E	Statistical Process Control	3	
6.	SCMA430706E	Supply Chain Management	3	
7.	STMA430406E	Strategic Management	3	

II. COURSE DESCRIPTIONS

Applied computing

Credits: 02

Prerequisites: None

Course Description:

This course covers all basic and advanced knowledge and skills of computing for office such as: creating text, editing and processing spreadsheet and creating presentation files. Learners can use this knowledge to master their Microsoft Office (specializing in Excel, pivotable tool and VBA) skills so that they can design documents for studying, researching and professional purpose. In addition, this course also helps students with soft skills such as teamwork and advanced presentation skills.

Text book:

- 1) Beth Melton, Mark Dodge, Echo Swinford, Andrew Couch, Eric Legault, Ben M. Schorr, Ciprian Adrian Rusen, *Microsoft Office Professional 2013 Step By Step*, O'Reilly, 2013.

References:

This course has no reference book.

Business communication

Credits: 02

Prerequisites: None

Course Description:

The course provides students with the theoretical foundations of communication activities such as: concepts, roles and meanings of communication ... In addition, students will learn the principles of effective communication, and how to apply skills and techniques to communicate in real life, especially in business activities.

Textbook:

- 1) Cenere, P., Gill, R., Lawson, C., & Lewis, M. (2015). *Communication Skills for Business Professionals 7*. Cambridge University Press

References:

- 2) TS.Thái Trí Dũng, *Kỹ năng giao tiếp và thương lượng trong kinh doanh*, NXB Thống Kê, 2003.
- 3) Nhóm First New biên dịch, *Cẩm Nang Kinh Doanh – Giao Tiếp Thương Mại*, Harvard Business Essential, Nhà xuất bản Tổng Hợp TP HCM, Tim Hindle, *Kỹ năng thương lượng*, NXB Tổng hợp, TP.HCM
- 4) GS.TS. Hoàng Đức Thân, *Giáo trình giao dịch và đàm phán kinh doanh*, NXB Thống Kê, Hà Nội, 2006.

Business English 1

Credits: 03

Prerequisites: None

Course Description:

This course helps students reinforce and develop knowledge in grammar, sentence structure and vocabulary concentrating on building sentences and paragraphs used in communication and business letter. It provides knowledge, vocabulary and terminology in business environment. Moreover, students have opportunities to practice skills of expressing ideas, brainstorming, generating ideas and making presentation in business environment

Textbook:

1) Martyn Hobbs and Julia Starr Keddle, *Commerce 1*, Oxford University Press 2006

References:

2) Lisa Hoecklin, *Managing Cultural Differences*, Addison-Wesley.

Business English 2

Credits: 03

Prerequisites: Business English 1

Course Description:

This course helps students develop skills of assessing work, forecast results and select decisions. It provides knowledge, vocabulary and terminology in business environment. Moreover, students have opportunities to to be creative for business effectiveness.

Textbook:

1) Intelligent business, Tonya Trappe, Graham Tullis, Pearson Education Limited 2005

References:

This course has no reference book.

Business law

Credits: 02

Prerequisites: General law

Course Description:

This course is aimed to bring learner the basic and general knowledge of business law which is governed by Vietnamese law. Learner will be equipped the legal concepts of business law; the legal form of enterprises, the law of contract, the law of bankruptcy, dispute settlement in Business.

Textbook:

1) Enterprise Law 2014, Bankruptcy Law 2014, Investment Law 2014, Commercial Law 2005, Civil Code 2015, Civil Procedure Code 2015, Commercial Arbitration Law 2010.

References:

This course has no reference book.

Business Planning

Credits: 02

Prerequisites: Fundamental Management

Course Description:

This course provides a basic view of business planning, including the role of business planning, the structure of a business plan, functional business plans such as marketing plan, operational plan, financial plan. With these provided knowledge, students will have ability to write a business plan.

Textbook:

- 1) Mike McKeever (2011). *How to Write a Business Plan*. Delta Printing Solutions, Inc.

References:

- 2) Tim Berry, 2006, Hurdle: *The Book on Business Planing*, Palo Alto Software, Inc., 6th edition (July 1, 2006).

Business statistics

Credits: 03

Prerequisites: Probability and Applied Statistics

Course Description:

This course provides students with general knowledge about the application of statistics in business. The knowledge includes: Simple linear regression, Multiple regression, time series forecasting, statistics in quality management and making decision. In addition, the course also equips students with skills to use specialized software to solve statistical problems.

Textbook:

- 1) Anderson & et al (2015) *Modern business statistics*, 4th edition: Cengage Learning.

References:

- 2) Ken Black (2010), *Business statistics for contemporary decision making by ken black*, 6th Edition: John Wiley & Sons, Inc.

Corporate Culture

Credits: 02

Prerequisites: None

Course Description:

This course provides students with knowledge of the formation, structure, types and importance of corporate culture in the process of corporate formation and development; theories and practical knowledge of culture as well as the deep aspects of corporate culture. With these, students can contribute to building effective corporate culture for the corporations as a member or consultant of them.

Textbook:

- 1) Edgar H. Schein, *The Corporate Culture Survival Guide*, Josey Bass, A Wiley Imprint, USA, 2009.

References:

- 2) Edgar H. S., *Organizational Culture and Leadership 3rd edition*, Jossey-Bass, A Wiley Imprint, USA, 2004.

Data Analysis

Credits: 03

Prerequisites: Research Method

Course Description:

This course provides students the ability to implement a research when a research proposal is available. Implementation includes data collection, data analysis and writing the research results. The course also provides students communication and teamwork skills.

Textbook:

- 1) Mark Saunders (2007). *Research Methods for Business Students*. 4th Edition. Pearson Education Limited.

References:

- 2) Sreejesh (2014). *Business Research Methods: An Applied Orientation*. Springer.

Electronic Commerce

Credits: 03

Prerequisites: Fundamental Management

Course Description:

This course provides students specialized knowledge of E-commerce, how to apply and implement the project of e-commerce, can apply appropriate e-commerce strategies in the enterprise, understand the most effective implementation methods to enhance the competitiveness in the digital age.

Textbook:

- 1) Laudon, Kenneth C., and Carol Guercio Traver. *E-commerce: business, technology, society*. 2016.

References:

- 1) Efraim Turban et al., Introduction to Electronic Commerce, Pearson, 2011.
- 2) Linzbach, P., Inman, J. J., & Nikolova, H. (2019). E-Commerce in a Physical Store: Which Retailing Technologies Add Real Value?. *NIM Marketing Intelligence Review*, 11(1), 42-47.
- 3) Wang, W. T., Wang, Y. S., & Liu, E. R. (2016). The stickiness intention of group-buying websites: The integration of the commitment–trust theory and e-commerce success model. *Information & Management*, 53(5), 625-642.
- 4) Zhao, W. X., Li, S., He, Y., Chang, E. Y., Wen, J. R., & Li, X. (2015). Connecting social media to e-commerce: Cold-start product recommendation using microblogging information. *IEEE Transactions on Knowledge and Data Engineering*, 28(5), 1147-1159.
- 5) Akter, S., & Wamba, S. F. (2016). Big data analytics in E-commerce: a systematic review and agenda for future research. *Electronic Markets*, 26(2), 173-194.
- 6) Oliveira, T., Alinho, M., Rita, P., & Dhillon, G. (2017). Modelling and testing consumer trust dimensions in e-commerce. *Computers in Human Behavior*, 71, 153-164.
- 7) Wankmueller, J. R. (2015). U.S. Patent No. 8,965,811. Washington, DC: U.S. Patent and Trademark Office.
- 8) Kapoor, R. V., Lo, J. W., & Ng, J. W. (2016). U.S. Patent No. 9,331,871. Washington, DC: U.S. Patent and Trademark Office.

Economics

Credits: 03

Prerequisites: None

Course Description:

The course can provide students basic theories to analyze economics activities in the market economics under micro and macroeconomic' perspective. With this knowledge, students can understand, apply the principles to solve specific situations.

Textbook:

1) Gregory Mankiw, *Principles of Economics*, 2014.

References:

This course has no reference book

Enterprise Resource Planning

Credits: 03

Prerequisites: Fundamental Management

Course Description:

The focus of this module is on illustrating procurement, production, and sales business by ERP systems. Students could use SWOT analysis on deploying ERP. This course will study the use of information technology for the formulation and implementation of strategy in the organization; Understand the most effective deployment method for a specific or popular ERP system. This course uses of some ERP software to demonstrate and practice in order to have deeper understanding of the systems.

Textbook:

1) Bradford, M. (2015). *Modern ERP: select, implement, and use today's advanced business systems*. Lulu. com.

References:

- 1) Ellen Monk and Bret Wagnerext, *Concept in Enterprise Resource Planning*, 4th edition, Course Technology, Cengage Learning, 2013.
- 2) Mary Summer, *Enterprise Resource Planning*, Prentice Hall, 2004.
- 3) Magal R. Simha, Word Jeffrey, 2012, *Integrated Business processes with ERP Systems*, John Willey & Sons Inc.
- 4) Haddara, M. (2018). ERP systems selection in multinational enterprises: a practical guide. *International Journal of Information Systems and Project Management*, 6(1), 43-57.
- 5) Olson, D. L., Johansson, B., & De Carvalho, R. A. (2018). Open source ERP business model framework. *Robotics and Computer-Integrated Manufacturing*, 50, 30-36.
- 6) Oghazi, P., Fakhrai Rad, F., Karlsson, S., & Haftor, D. (2018). RFID and ERP systems in supply chain management. *European Journal of Management and Business Economics*, 27(2), 171-182.
- 7) Bjelland, E., & Haddara, M. (2018). Evolution of ERP systems in the cloud: A study on system updates. *Systems*, 6(2), 22.
- 8) Kumar, C. R. (2018). Enterprise Resource Planning Systems in tourism industry. *Editorial Board*, 7(2), 241.
- 9) Demi, S., & Haddara, M. (2018). Do Cloud ERP Systems Retire? An ERP Lifecycle Perspective. *Procedia computer science*, 138, 587-594.

Fundamental Management

Credits : 03

Prerequisites: None

Course Description:

This course provides students a basic knowledge of business management, including basic functions of management (planning, organizing, leading, and controlling) and business environmental factors which effect the organization performance. Therefore, students will have ability to analyze business environment factors of an organization and apply basic management tools to solve basic management problems.

Textbook:

1) *Management*, Stephen P. Robbins, Mary Coulter 11th edition, Prentice Hall, 2010.

References:

2) *Fundamentals of Management*, Danny Samson, Timothy Donnet, Richard Daft 6th edition, Richard Daft, Cengage Learning Australia, 2017

Human Resource Management

Credits: 03

Prerequisites: Fundamental Management

Course Description:

The unit provides students with the necessary knowledge about human resource management such as human resource planning, job analysis, recruitment and selection, training and development, compensation and benefits management, and labor relations within organizations. After this course, students have the ability to forecast the supply and demand of human resources within organizations, analyze jobs, plan and conduct recruitment, plan and conduct training and development, develop a system of performance appraisal standards and set up a system of payroll scales for organizations.

Textbook:

1) *Human Resource Management: Theory and Practice* (2019), R. C. Sharma & Nipun Sharma, SAGE Publications Pvt. Ltd.

References:

2) Michael Amstrong (2009), *Amstrong's handbook of Human resource Management Practice*, Kogan Page Limited

Introduction to Industrial Management

Credits: 03

Prerequisites: None

Course Description:

This course aims to introduce students Expected Learning Outcomes (ELOs), the curriculum of Industrial Management, and employment of students after graduation. The course also provides students with learning methods, presentation skills, and teamwork skills so that they can study better specialized courses. This course also outlines the specialized knowledge taught in industry management program which helps the learners have specific directions for their future career and research.

Textbook:

- 1) John Vu (2015). *Departure - Advises for Vietnamese students*, General Publishing House of Ho Chi Minh City.

References:

This course has no reference book

Inventory Management

Credits: 02

Prerequisites: Fundamental Management

Course Description:

Inventory management is one of the main functions of the enterprise, it impacts on the result of company operation directly. In addition, the important role of managing inventories in global supply chains cannot be negated. This course provides students the concepts, terminology in the field of inventory as well as the specialized knowledge and skills to apply inventory models in different cases. This is a majored subject which helps students master the theory and apply it in practice in the manufacturing and service enterprises.

Textbook:

- 1) Richard J. Tersine, *Principles of Inventory and Materials Management* (4th Edition), Prentice Hall.

References:

- 2) John A. Muckstadt, Amar Sapro.(2010), *Principles of Inventory Management*, Springer

Lean Manufacturing

Credits: 02

Prerequisites: Operation Management

Course Description:

Manufacturing is one of the main functions of the enterprise. It is the process of creating products and services for the market. Lean manufacturing has an important role in operating company, it impacts on the result of the company operation through continuous improvement and process changes for reducing non value-added activities and elimination of wastes. This course provide students the fundamental concepts, terminology related to lean manufacturing such as the seven wastes and lean tools, principles, lean manufacturing system and ect.. This is a majored subject which helps students master the theory and apply it in practice in the manufacturing and service enterprises, and it is also Six sigma's prerequisite course.

Textbook:

- 1) Lonnie Wilson (2010), *How to implement lean manufacturing*, Mc Graw Hill.

References:

- 2) Jeffrey K. Liker (2004), *The Toyota Way*, Mc Graw Hill.
- 3) Bill Carriera, *Lean manufacturing that works*, American Management Association

Maintenance Management

Credits: 03

Prerequisites: Fundamental Management

Course Description:

Maintenance Management is a subject aiming at providing students with the knowledge on modern maintenance management. After the course, the students are expected to enhance their management skills and have acquired updated maintenance methods. Hence, they are able to apply highly effective approaches in the reality of maintenance management and to analyse problems related to maintenance procedures. Moreover, based on the solutions worked out, they are capable of systemizing these procedures. Start-up ideas are expected after the course.

Textbook:

1) Anthony Kelly (2006), *managing maintenance resources*, Published by Elsevier Ltd.

References:

- 1) Dennis McCarthy and Dr Nick Rich (2004), *lean TPM a blueprint for change*, Elsevier Butterworth-Heinemann
- 2) Anthony Kelly (2002), *reliability maintenance & risk practical methods for engineers*. Great Britain : Butherworth – Hainmann.
- 3) R. Keith Mobley (1999), *root cause failure analysis*, Butterworth–Heinemann.
- 4) Andrew Johnson (2006), *methods in productivity and efficiency analysis*, Georgia Institute of Technology.
- 5) Georg N. Krieg, (2006), *kanban-controlled manufacturing systems*, Springer.

Managerial Accounting

Credits: 03

Prerequisites: Principles of Accounting

Course Description:

This course provides basic information about the natures, objectives, tasks, content and methods of management accounting; basic knowledge of cost and price classification in management accounting. On that basis, we will develop costing methods, estimation methods, cost control, cost-volume-profit analysis as well as creating and providing appropriate information for the short-term and long-term decision-making process of the manager.

Textbook:

1) *Managerial Accounting* - Ray H. Garrison, Eric W. Noreen và Peter C. Brewer.

References:

This course has no reference book

Marketing Management

Credits: 03

Prerequisites: None

Course Description:

Introducing modern business philosophies for practical implementation in the general market economy. Providing fundamental foundation concepts of Marketing Management. Helping learners to learn how to analyze and select the potential markets of various fields. Understanding and implementing various marketing strategies through the main 4 tools of marketing mix: product, price, distribution, promotion.

Textbook:

- 1) Kotler, G. & Armstrong, G (2006). *Principles of marketing* 11th Edition. New Jersey: Prentice Hall.

References:

This course has no reference book

Management Information Systems

Credits: 03

Prerequisites: Fundamental Management

Course Description:

This course provides students specialized knowledge of E-commerce, how to apply and implement the project of e-commerce, can apply appropriate e-commerce strategies in the enterprise, understand the most effective implementation methods to enhance the competitiveness in the digital age.

Textbook:

- 1) Kenneth C. Laudon, and Jane.P Laudon. , *Management Information Systems: Managing the Digital firm*. 2016.

References:

- 2) Laudon, K. C., & Laudon, J. P. (2011). *Essentials of management information systems*. Upper Saddle River: Pearson.
- 3) Tatoglu, E., Bayraktar, E., Golgeci, I., Koh, S. L., Demirbag, M., & Zaim, S. (2016). How do supply chain management and information systems practices influence operational performance? Evidence from emerging country SMEs. *International Journal of Logistics Research and Applications*, 19(3), 181-199.
- 4) Amuna, Y. M. A., Al Shobaki, M. J., & Naser, S. S. A. (2017). The Role of Knowledge-Based Computerized Management Information Systems in the Administrative Decision-Making Process. *International Journal of Information Technology and Electrical Engineering*, 6(2), 1-9.
- 5) Abbasi, A., Sarker, S., & Chiang, R. H. (2016). Big data research in information systems: Toward an inclusive research agenda. *Journal of the Association for Information Systems*, 17(2), I.
- 6) Dwivedi, Y. K., Wastell, D., Laumer, S., Henriksen, H. Z., Myers, M. D., Bunker, D., & Srivastava, S. C. (2015). Research on information systems failures and successes: Status update and future directions. *Information Systems Frontiers*, 17(1), 143-157.
- 7) Wiesche, M., Jurisch, M. C., Yetton, P. W., & Krcmar, H. (2017). Grounded theory methodology in information systems research. *MIS quarterly*, 41(3), 685-701.

Operation Management

Credits: 04

Prerequisites: None

Course Description:

This course provides students the fundamental concepts, terminology, principles, methodologies and techniques as well as practices in Operation Management. Topics include operation strategy, operational decision, capacity planning, forecasting, facilities location, aggregate planning, production scheduling, material requirement planning and facilities layout. This is a majored subject which helps students master the theory and apply it in practice in the manufacturing enterprises and service providers.

Textbook:

- 1) Roberta S. Russell and Bernard W. Taylor III. (2003), *Operations Management*, Third edition, Prentice-Hall, Inc.

References:

- 2) F. Robert Jacobs and Richard Chase (2018), *Operations and supply chain management*, Mc Graw Hill

Operations Research

Credits: 03

Prerequisites: None

Course Description:

This course provides concepts of operations research (OR) such as the origins, nature, and impacts of OR. Students are guided to define the problems, gather data and prepare applying the mathematical models. Besides, students also are introduced some methods including the Simplex method, Streamlined Simplex method to solve operations problems through exercises and case studies.

Textbook:

- 1) Frederick S. Hillier and Gerald J. Lieberman, *Introduction to Operations Research-9th Ed*, The McGraw-Hill Companies, 2010.

References:

- 2) P. Rama Murthy, *Operations Research*, 2nd Edition, New Age International Limited Publishers, 2007
- 3) Hamdy A. Taha, *Operations Research: An introduction*, 8th edition, Pearson Education, Inc, 2007
- 4) Wayne L. Winston, *Operations research: applications and algorithms*, Thomson Learning, 4th edition, 2004.

Organizational Behavior

Credits: 03

Prerequisites: Fundamental Management

Course Description:

The module provides a basic understanding of organizational behavior patterns, the factors that influence the behavior of individuals and groups within an organization, communication issues, leadership, structure and culture in an organization.

Textbook:

- 1) James L. Gibson, *Organizations: Behavior, Structure, Processes*, McGraw-Hill Companies,

Inc., 2011.

References:

This course has no reference book

Principles of Accounting

Credits: 03

Prerequisites: None

Course Description:

This course in Principles of Accounting helps students to develop an understanding of a range of theoretical and practical techniques used in accounting. It helps to develop skills that should enable them to participate more effectively and responsibly in today's business environment, to improve the management of personal financial activities. Moreover, the course helps students to appreciate the importance of accountability in organizations and appreciate the use of accounting practice as a tool for efficient business management. In addition, this course prepares students for post-graduate and professional studies in accounting.

Textbook:

- 1) TS. Trần Văn Tùng, Ths. Trịnh Xuân Hưng, Ths. Thái Thị Nho, Ths. Nguyễn Vương - Nguyễn lý Kế toán – NXB Tài chính, 2017.

References:

This course has no reference book

Project Analysis and Evaluation

Credits: 02

Prerequisites: Fundamental Management

Course Description:

This course equips students with basic knowledge about project analysis such as market analysis, technical and technological analysis, human resource analysis, financial analysis. The course also equips students with criteria for selecting projects such as: NPV, IRR, B/C ... In addition, it also provides knowledge of inflation and the impact of inflation on the project cash flow. At the end, students are also shared about risk analysis tools such as sensitivity analysis, situation analysis and Monte Carlo simulation.

Textbook:

- 1) Nguyen Quang Thu (2009) *Establishing and appraising investment projects*, Statistics Publisher.

References:

This course has no reference book

Project Management

Credits: 03

Prerequisites: Fundamental Management

Course Description:

This course provides students specialized knowledge of project management, from basic project concepts, project classification, Gantt chart, network diagrams to advanced concepts such as schedule management, quality management and cost management. In addition, the course also provides students project risk management tools for managing the project risk.

Textbook:

1) Pinto (2013) *Project Management – Achieving competitive advantage*, 3th edition: Pearson.

References:

2) Field, M., Keller, L.(2007), *Project Management*. Open University

Research methods

Credits: 02

Prerequisites: None

Course Description:

The course can provide the basic knowledge about scientific research, thus students can be developed thinking, analyzing and evaluating skills. In addition, students also practice a specific study. At the end of the module, students can write a complete research proposal.

Textbook:

1) Uma Sekaran and Roger Bougie, 2016. *Research methods for business – Seventh edition*, Wiley.

References:

2) Mark Saunders, Philip Lewis and Adrian Thornhill, 2007, *Research Methods for Business Students – Fourth Edition*, Pearson Education

Scientific Writing

Credits: 02

Prerequisites: None

Course Description:

This course aims to demystify the writing process and teach the fundamentals of effective scientific writing. Instruction will focus primarily on the process of writing and generating scientific manuscripts. In addition, the course will provide general knowledge of writing graduation thesis.

Textbook:

1) American Psychological Association (2009). *Publication Manual of the American Psychological Association* (6th ed.). Washington, DC: Author.

References:

2) Heard, S. B. (2016). *The scientist's guide to writing how to write more easily and effectively throughout your scientific career*. New Jersey, NJ: Princeton University Press

Securities Market

Credits: 02

Prerequisites: Economics

Course Description:

This module provides students basic knowledge about securities market, market participants, and different kinds of financial instruments in stock market such as stocks, bonds, and derivatives.

Moreover, students will be learnt about the structure, operation, and trading on securities market. Analysis and valuation are also mentioned in this module to help students in market forecast and deep understanding of this market.

Textbook:

- 1) Assoc. Prof. Bui Kim Yen, Dr. Than Thi Thu Thuy (2013), *Securities Market*, HCMC University of Economics, HCMC Economic Publisher.

References:

This course has no reference book

Six Sigma Fundamentals

Credits: 02

Prerequisites: Business Statistics

Course Description:

This course provides concepts of six sigma method to improve quality in enterprises. Students are introduced DMAIC process to define, measure, analyze, improve and control problems to enhance quality improvements. Besides, students also are guided using Minitab software to solve practical six-sigma projects.

Textbook:

- 1) Kishore K. Pochampally & Surendra M. Gupta - *Six Sigma Case Studies with Minitab* - Taylor & Francis Group, LLC- 2014.

References:

- 2) Thomas Pyzdek & Paul A. Keller – *The Six Sigma Handbook*, third ed- McGraw-Hill Companies, Inc- 2010
- 3) James R.Evans and William M.Lindsay - *Total Quality Management* ,9th ed - Cengage Learning, 2016
- 4) David L. Geotsch, Stanley Davis - *Quality management for organizational excellence: Introduction to total quality*, 7th ed. - Boston: Pearson Education, 2013.
- 5) Warren Brussee – *Six sigma on a budget*- McGraw-Hill Companies, Inc- 2010

Statistical Process Control

Credits: 02

Prerequisites: Business Statistics

Course Description:

This course provides concepts of statistical process control for quality assurance in enterprises. Students are introduced some statistical tool to improve quality. Beside, students also are guided solving practical case studies to attain depth knowledge.

Textbook:

- 1) Stephen B. Vardeman & J. Marcus Jobe- *Statistical Methods for Quality Assurance*, 2nd edition, Springer-Verlag New York, 2016.

References:

- 2) Douglas C. Montgomery, *Introduction to Statistical Quality Control*, John Wiley & Sons, Inc, 2013.

- 3) Zontec, The Book of Statistical Process Control, The Zontec Press, 2010
- 4) Douglas B. Relyea, The Practical Application of the Process Capability Study, Productivity Press Taylor & Francis Group, 2011.
- 5) Tim Staphenurst, Mastering Statistical Process Control, Elsevier Butterworth-Heinemann, 2005

Strategic Management

Credits: 03

Prerequisites: Fundamental Management

Course Description:

The unit provides students with a basic view of strategic management, including the concept of business vision, mission, strategy, business environment, organizational level strategies, strategic business unit level strategies, function-level strategies, competitive strategies and supportive strategies. With these provided knowledge, students will have ability to analyze the business environment, identify opportunities, create the mission, and develop strategies for companies.

Textbook:

- 1) Luis Angle Guerras Martin & Jose Emilio Navas Lopez (2013). *Fundamentals of Strategic Management*. Thomson Reuters Ltd.

References:

- 2) Fred R. David (2011). *Strategic Management: concepts and cases*. Prentice Hall, 13th edition

Supply Chain Management

Credits: 03

Prerequisites: None

Course Description:

Supply chain management is a new discipline, a professional profession in Vietnam and in the world today. The course provides learners with fundamental knowledge of the supply chain management. Learners will be provided with concepts, definitions, goals, values, models, strategies and methods for building, operating and evaluating a supply chain. This subject helps learners understanding the theory and apply it in practice at production or service providers.

Textbook:

- 1) Sunil Chopra, Peter Meindl, *Supply chain management*, Pearson, 2013.

References:

- 2) David Simchi-Levi, Philip Kaminsky, and Edith Simchi-Levi, *Designing and Managing the Supply Chain*, McGraw-Hill/Irwin; 3rd edition, 2002.

Technology Management

Credits: 03

Prerequisites: Fundamental Management

Course Description:

Technology management (TM) plays a role in promoting the technology development investment of enterprises and creating competitiveness in the market economy. Technology governance is the foundation for a nation's strong economic growth. The Technology Management module provides

basic knowledge to help students apply management science into the field of exploiting and using technology to serve the production and business plan of the enterprise, which achieves high efficiency through the activities of evaluation, selection of appropriate technology to make the decision to innovate and implement technology transfer.

Textbook:

- 1) Laure Morel (2005), *Management of technology: Key Success Factors for Innovation and Sustainable Development*.

References:

This course has no reference book

Total Quality Management

Credits: 03

Prerequisites: Business Statistics

Course Description:

This course provides basic concepts of quality management (QM) including the history of QM, quality philosophers, quality cost, and etc. Besides, this course also introduces some methods and tools in quality management such as: statistical process control, 5S and 6-sigma.

Textbook:

- 1) James R. Evans and William M. Lindsay - *Total Quality Management*, 9th edition, - Cengage Learning, 2016.

References:

- 2) Frank M. Gryna, McGraw-Hill - *Quality planning and analysis : from product development through use*, 4th ed, 2001
- 3) David L. Geotsch, Stanley Davis - *Quality management for organizational excellence: Introduction to total quality* - 7th ed. - Boston: Pearson Education, 2013.
- 4) Kishore K. Pochampally & Surendra M.Gupta- *Six Sigma Case Studies with Minitab*-1st ed- Taylor & Francis Group- 2014.