



FACULTY OF BUSINESS
BACHELOR OF E-COMMERCE
LEARNING MODULE OUTLINE

Academic Year	2025/2026	Semester	1
Module Code	ECOM4160 - 411		
Learning Module	E-Commerce Regulatory Environment		
Pre-requisite(s)	Nil		
Medium of Instruction	English		
Credits	3	Contact Hours	45
Instructor	Dr. Lai Tsz Ming, Terence	Email	tmlai@mpu.edu.mo
Office	M530, Meng Tak building	Office Phone	8599-3346

MODULE DESCRIPTION

The course introduces core technologies, management and legal issues for designing e-Government. Its topics cover cyberspace law, archives and records of management policy, and information science. The Students will examine a variety of issues concerning e-government framework, archives and records of management policy, electronic government applications, information communication technology, other relevant technologies adopted, intellectual property rights, e-commerce patents, privacy, taxation and international trade resulting from e-commerce.

MODULE INTENDED LEARNING OUTCOMES (ILOS)

On completion of this learning module, students will be able to:

M1.	Determine the benefits of genuine transgovernmental collaboration;
M2.	Justify the building of web-enabled government, and contract the organizational, cultural, and technical challenges ahead;
M3.	Justify how the future government will transact with its constituents online, compare privacy and security concerns to build public trust and beware of laws of privacy
M4.	Criticize Politics, Strategic Planning, and Development of e-government; and
M5.	Determine the basic elements of intellectual property right, privacy and their law.



These ILOs aims to enable students to attain the following Programme Intended Learning Outcomes (PILOs):

PILOs (Bachelor of E-Commerce)	M1	M2	M3	M4	M5
P1. Demonstrate an understanding of the business processes and operations and the skillful realization of information technologies required to practice electronic commerce;					
P2. Apply knowledge in business, mathematics, programming, computing, web development, and database to address complex problems in the context of electronic commerce;					
P3. Analyze critically the effect of web technology use on organizational performance and develop electronic commerce strategies that fit organizational objectives;				✓	✓
P4. Select and apply tools and technologies to effectively implement electronic commerce systems in business intelligence, enterprise resources planning, supply chain management, and customer relationship management;					
P5. Develop relationships, motivate others, manage conflicts, lead changes, and work across differences in multi-disciplinary electronic commerce projects;					
P6. Communicate and work effectively using written and spoken word, non-verbal language, and electronic tools with fellow professionals and different stakeholders in the electronic commerce industry;					
P7. Demonstrate a global electronic commerce perspective as evidenced by an understanding of foreign languages and the role of Macau as an interface between the East and the West;	✓				
P8. Cope with and manage contemporary advancement related to electronic commerce development and demonstrate lifelong learning attitudes and abilities;		✓		✓	
P9. Conduct research and devise innovative electronic commerce models to exploit business opportunities; and					
P10. Reflect on professional responsibilities and keep up with the latest electronic commerce issues on legal, environmental, ethical, and societal considerations to benefit society comprehensively.			✓		✓



MODULE SCHEDULE, COVERAGE AND STUDY LOAD

Week	Content Coverage	Contact Hours
1	Introduction	3
2	Organization of e-government	3
3	Politics, Strategic Planning, and Development	3
4	Developing fully functional E-government: A four stage model	3
5-6	Digital Security	6
7	Mid-term Examination	4.5
7-8	Intellectual Property Right, Privacy, Cyberspace Law and Legal Issues	1.5
9-10	Contract	4.5
10-11	Consumer Protection	4.5
12	Mobile Services in E-Government	3
13	Geographic Information System	3
14	E-Governance	3
15	Final Exam	3

TEACHING AND LEARNING ACTIVITIES

In this learning module, students will work towards attaining the ILOs through the following teaching and learning activities:

Teaching and Learning Activities	M1	M2	M3	M4	M5
T1. Lectures,	✓	✓	✓	✓	✓
T2. videos,	✓	✓	✓	✓	✓
T3. case studies,	✓	✓	✓	✓	✓
T4. group discussion	✓	✓	✓	✓	✓

ATTENDANCE

Attendance requirements are governed by the Academic Regulations Governing Bachelor's Degree Programmes of the Macao Polytechnic University. Students who do not meet the attendance requirements for the learning module shall be awarded an 'F' grade.



ASSESSMENT

In this learning module, students are required to complete the following assessment activities:

Assessment Activities	Weighting (%)	ILOs to be Assessed
A1. Project(s)	20	M1-M5
A2. Assignment(s)	20	M1-M5
A3. Midterm Exam	20	M1-M5
A4. Final Exam	40	M1-M5

The assessment will be conducted following the University's Assessment Strategy (see www.mpu.edu.mo/teaching_learning/en/assessment_strategy.php). Passing this learning module indicates that students will have attained the ILOs of this learning module and thus acquired its credits.

MARKING SCHEME

	Assessment Task	Criterion	Excellent	Very Good, Good	Satisfactory	Pass	Fail
			A, A-	B+, B, B-	C+, C, C-	D+, D	F
			88% - 100%	73% - 87%	58% - 72%	50% - 57%	0 – 49%
1.	Projects /Assignments (if applicable)	Demonstrate the understanding of the subjects	High	Significant	Moderate	Basic	Not even reaching marginal levels
2.	Oral presentation (if applicable)	Demonstrate the ability to answer questions on topics covered in the outline					
3.	Midterm / Final / Resit Exam (if applicable)	Demonstrate the understanding of the subject and the arguments are articulated and organized in terms of skills, presentation, writing, concepts, methods and techniques.					



		Be able to provide a specific conclusion / solution in some cases (if applicable)					
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REQUIRED READINGS

Muhammad Muinul Islam, Mohammad Ehsan, 2013, From Government to E-Governance Public Administration in the Digital Age, Information Science Reference

REFERENCES

Henry R. Cheeseman, 2015, Legal Environment of Business Online Commerce, Ethics, and Global Issues, Pearson, 8th Edition

Ake Gronlund, 2002, Electronic Government: Design, Applications and Management, Idea Group Publishing,

K. Layne, J. Lee, 2001, "Developing fully functional E-government: A four stage model" Government Information Quarterly, 18, 122–136

Mehdi Khosrow-Pour, E-Government Diffusion, Policy, and Impact: Advanced Issues and Practices, Information Science Reference, 2009, ISBN-10: 1605661309, ISBN-13: 978-1605661308

Diane Rowland, Uta Kohl, Andrew Charlesworth, 2011, Information Technology Law, Routledge, 4th edition

Ian J. Lloyd, 2011, Information Technology Law, Oxford University Press, USA; 6th edition

Efraim Turban, Jae K. Lee, David King, Ting Peng Liang, Deborrah Turban, Electronic Commerce 2010 A Managerial Perspective, 6th edition

Laura Alcaide Muñoz, Manuel Pedro Rodríguez Bolívar, 2018, International E-Government Development: Policy, Implementation and Best Practice, Palgrave Macmillan; 1st ed.

Suri, P.K., Sushil, 2018, Strategic Planning and Implementation of E-Governance, Springer

STUDENT FEEDBACK

At the end of every semester, students are invited to provide feedback on the learning module and the teaching arrangement through questionnaires. Your feedback is valuable for instructors to enhance the module and its delivery for future students. The instructor and programme coordinators will consider all feedback and respond with actions formally in the annual programme review.



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ACADEMIC INTEGRITY

The Macao Polytechnic University requires students to have full commitment to academic integrity when engaging in research and academic activities. Violations of academic integrity, which include but are not limited to plagiarism, collusion, fabrication or falsification, repeated use of assignments and cheating in examinations, are considered as serious academic offenses and may lead to disciplinary actions. Students should read the relevant regulations and guidelines in the Student Handbook which is distributed upon the admission into the University, a copy of which can also be found at www.mpu.edu.mo/student_handbook/.