PolyU MSc

MSc in International Shipping and Transport Logistics (Full-time Stream) 2012-2013

Definitive Programme Document

The Hong Kong Polytechnic University
香港理工大學
Faculty of Business

Department of Logistics & Maritime Studies
物流及航運學系

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ISTL (Full-time stream) Programme Web Page
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PolyU Student Handbook Web Page
http://www.polyu.edu.hk/as

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FOREWORD

It is our pleasure to welcome you to the full-time stream of the Master of Science in International Shipping and Transport Logistics programme offered by the Department of Logistics and Maritime Studies at The Hong Kong Polytechnic University.

This programme prepares graduates to meet the needs of the shipping and transport logistics profession. Successful completion of this programme will equip you with knowledge and skills that are useful for business organizations to create value and sustain competitiveness in the shipping and transport logistics field.

This Programme Document contains important information that is of direct relevance to your studies. You are strongly advised to read it carefully and use it as a guide for working out your study plan.

We wish you an enjoyable and rewarding experience with the University.

With warmest regards

Prof. Chung-Lun Li
Head, Department of Logistics and Maritime Studies
Chair Professor of Logistics Management

MSc in International Shipping and Transport Logistics (Full-time Stream) 2012/13

The Hong Kong Polytechnic University

Revised Academic Calendar 2012-13 (by Semester Week)

Month	Week	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Sem. Week	Notes
Sep 2012	--	3	4	5	6	7	8	9	--	Sep. 3 - 14: Common Orientation Programme
	--	10	11	12	13	14	15	16	--	
	1	17	18	19	20	21	22	23	1	**Sep. 17: Sem. 1 commences (14 teaching weeks: 17 Sep - 22 Dec 2012)**
	2	24	25	26	27	28	29	30	2	Sep. 17 - 29: Add/Drop Period for Sem. 1
Oct	3	1	2	3	4	5	6	7	3	Oct. 1: The day following Mid-Autumn Festival / Oct. 2: The day following National Day
	4	8	9	10	11	12	13	14	4	Oct. 6: PolyU Education Info Day (all day-time and evening classes suspended)
	5	15	16	17	18	19	20	21	5	
	6	22	23	24	25	26	27	28	6	Oct. 23: Chung Yeung Festival
Nov	7	29	30	31	1	2	3	4	7	Oct. 27: Eighteenth Congregation (with different conferment sessions up to Saturday, 17 November)
	8	5	6	7	8	9	10	11	8	
	9	12	13	14	15	16	17	18	9	
	10	19	20	21	22	23	24	25	10	
Dec	11	26	27	28	29	30	1	2	11	
	12	3	4	5	6	7	8	9	12	
	13	10	11	12	13	14	15	16	13	
	14	17	18	19	20	21	22	23	14	Dec. 21: Winter Solstice (all evening classes suspended) / Dec. 22: Sem. 1 teaching ends
	15	24	25	26	27	28	29	30	Xmas/New Year Break	Dec. 25: Christmas Day / Dec. 26: The first weekday after Christmas Day **Dec. 24 - Jan. 2: Christmas and New Year Break**
Jan 2013	16	31	1	2	3	4	5	6	) Exam.	Jan. 1: First day of January / **Jan. 3-16: Examination Period for Sem. 1**
	17	7	8	9	10	11	12	13	) Exam.	
	18	14	15	16	17	18	19	20	) Exam./ Exam. Result) Processing	
	19	21	22	23	**24**	25	26	27		**Jan. 24: All subject assessment results finalised**
Feb	20	28	29	30	**31**	1	2	3	1	**Jan. 28: Sem. 2 commences (14 teaching weeks: 28 Jan - 11 May 2013)**
	21	4	5	6	7	8	9	10	2	**Jan. 28- Feb. 9: Add/Drop Period for Sem. 2 / Jan. 31: Finalisation of overall assessment results** **Feb. 1: Announcement of Sem. 1 overall assessment results**
	22	11	12	13	14	15	16	17	Lunar New Year Break	Feb. 11 - 13: Lunar New Year Holidays
	23	18	19	20	21	22	23	24	3	Feb. 14 - 16: Lunar New Year Break (all day-time and evening classes suspended)
Mar	24	25	26	27	28	1	2	3	4	
	25	4	5	6	7	8	9	10	5	
	26	11	12	13	14	15	16	17	6	
	27	18	19	20	21	22	23	24	7	
	28	25	26	27	28	29	30	31	8	Mar. 29 - Apr. 1: Easter Holidays
Apr	29	1	2	3	4	5	6	7	9	Apr. 4: Ching Ming Festival
	30	8	9	10	11	12	13	14	10	
	31	15	16	17	18	19	20	21	11	
	32	22	23	24	25	26	27	28	12	
May	33	29	30	1	2	3	4	5	13	May 1: Labour Day
	34	6	7	8	9	10	11	12	14	**May 11: Sem. 2 teaching ends**
	35	13	14	15	16	17	18	19	) Exam.	**May 13-14: Revision Days for Sem. 2 / May 15 - 29: Examination Period for Sem. 2** / May 17: the Buddha's Birthday
	36	20	21	22	23	24	25	26	) Exam.	
Jun	37	27	28	29	30	31	1	2	) Exam./ Exam. Result) Processing	
	38	3	4	5	**6**	7	8	9		**Jun. 6: All subject assessment results finalised**
	39	10	11	12	**13**	14	15	16	1	**Jun. 10: Summer Term commences (7 teaching weeks: 10 Jun - 27 Jul 2013)** **Jun. 10 -15: Add/Drop Period for Summer Term**
	40	17	18	19	20	21	22	23	2	Jun. 12: Tuen Ng Festival / **Jun. 13: Finalisation of overall assessment results**
	41	24	25	26	27	28	29	30	3	**Jun. 14: Announcement of Sem. 2 overall assessment results**
Jul	42	1	2	3	4	5	6	7	4	Jul. 1: The HKSAR Establishment Day
	43	8	9	10	11	12	13	14	5	
	44	15	16	17	18	19	20	21	6	
	45	22	23	24	25	26	27	28	7	**Jul. 27: Summer Term teaching ends**
Aug	46	29	30	31	1	2	3	4	) Exam.	**Jul. 29 - Aug. 3: Examination Period for Summer Term**
	47	5	6	7	8	9	10	11	) Exam. Result) Processing	
	48	**12**	13	14	15	16	17	18		**Aug. 12: All subject assessment results finalised / Aug. 19: Finalisation of overall assessment results**
	49	**19**	20	21	22	23	24	25	--	**Aug. 20: Announcement of Summer Term overall assessment results**
Sep	50	26	27	28	29	30	31	1	--	**Aug. 31: Academic Year 2012-13 ends**

General Holidays (tentative for 2013)
Dates of finalisation of assessment results
Changes are highlighted in NAVY

June 2012

PART I: GENERAL INFORMATION

1. PROGRAMME OVERVIEW

With the emergence of the logistics era, it is of strategic importance that Hong Kong can build on its success as one of the world's major transshipment hubs and develop into the most important centre of logistics in the Asia-Pacific region. Managers in shipping and logistics industries will need to continually develop their knowledge, skills and competencies to successfully meet the challenges of this new era of logistics provision.

The MSc in International Shipping and Transport Logistics (Full-time stream) is a unique postgraduate programme in Hong Kong. It particularly focuses on the highly specialized field of shipping and logistics and its curriculum has been developed in association with many leading experts from Hong Kong's shipping and logistics industries. The programme embodies a sound balance between academic theory and professional practice. The combination of compulsory subjects with a choice of electives plus the mandatory internship, reflects the multi-disciplinary nature of the business and the diversity of the career paths students on the programme can pursue.

2. PROGRAMME AIMS AND OBJECTIVES

The programme aims to provide a specialist academic programme at the higher degree level for the shipping, transport, and logistics industries. The enriching learning experience will help graduates to introduce modern and cost-effective reforms into the industry.

The objectives of the programme are to:

(i) provide up-to-date and in-depth knowledge of shipping and logistics vital for the continued development of the industry and Hong Kong;

(ii) develop capabilities to tackle complex multi-disciplinary problems through covering a host of topics such as logistics, economics, finance, management, law, insurance, marketing, IT applications and China practices;

(iii) nurture good practice and sound professional judgment by drawing upon the experience of practising professionals;

(iv) develop the critical and analytical approach necessary to become a good decision maker; and

(v) prepare graduates for future advancement in the profession through self-development.

3. PROGRAMME OUTCOMES

On completion of the programme, students will be able to:

(i) stimulate critical and creative thinking in the business setting;

(ii) identify and resolve legal issues as they arise generally and in the specific business settings for which they are being prepared;

(iii) analyze business situations and problems in the context of international shipping and transport logistics by applying appropriate conceptual frameworks;

(iv) apply logistics and supply chain theories, and understand the logistics operation in the context of international shipping and logistics industry.

4. HONG KONG MARITIME AND LOGISTICS SCHOLARSHIP SCHEME

The Government of the Hong Kong Special Administrative Region (HK Government) has set up the Hong Kong Maritime and Logistics Scholarship Scheme (Scholarship) in PolyU to support students enrolled on this **full-time stream** programme. The Scholarship aims to expand the manpower of the maritime industry in Hong Kong. Scholarship will cover the tuition fee for the programme and, where appropriate, subsidise living costs.

Each recipient is required to sign an undertaking to the effect of conditions set out below, which shall form a contract between the Scholarship Scheme and the recipient.

Conditions of the Scholarship

(i) the recipients are not allowed to concurrently hold any other local merit-based incentives such as awards, prizes and/ or scholarships during the studies of the programme;

(ii) the recipients are required to complete the programme, covering 39 academic credits and 6 training credits of Maritime Industry Internship;

(iii) within 3 calendar months upon successful completion of the programme, the recipients should start working full-time in the maritime industry in Hong Kong for a period of not less than twelve consecutive calendar months.

If the recipient is in breach of any one of the above conditions, he is required to refund the scholarship received in full to the Scholarship Scheme.

5. ENTRANCE REQUIREMENTS

The minimum entrance requirements are:

Local Applicants
An honours Bachelor's degree in any discipline

Chinese Mainland and Overseas Applicants
An honours Bachelor's degree in International Shipping or Maritime Studies or other relevant disciplines with:

i) English being the Medium of Instruction; OR

ii) English not being the Medium of Instruction, then applicants are also required to meet either one of the following requirements:

- An IELTS Academic Test with a score of at least 6; or
- A TOEFL Paper-based test score of at least 550, including a score of at least 4.5 in the Test of Written English; or
- A TOEFL Computer-based test score of at least 213, including an Essay Writing score of at least 4; or
- A TOEFL Internet-based test score of at least 79, including a score of at least 20 in the Test of Written English.

Non-local prospective students must obtain a student visa for commencement of study in Hong Kong. Those who fail to obtain a valid student visa or only have a visitor or tourist visa are not allowed to register on the programme nor commence their studies.

6. PROGRAMME STRUCTURE

6.1 Programme Information

Programme Code and Title:
26012 Master of Science in International Shipping and Transport Logistics
(Full-time Stream)

Award:
Master of Science in International Shipping and Transport Logistics

Medium of Instruction:
English

6.2 Credit Requirements

Students are required to obtain the credit requirements specified below for the MSc award:

No. of Required Subjects		Academic Credits	Training Credits
5 Compulsory Subjects	**AND**	15	-
2 Core Shipping Subjects	**AND**	6	-
6 Elective Subjects	**OR**	18	-
4 Elective Subjects + Project (6 credits)	**OR**		
3 Elective Subjects + Dissertation (9 credits)			
240-hour Maritime Industry Internship (training credits)		-	6
Total No. of Required Credits		39	6

6.3 Mode and Duration of Study

The academic year is organized into Semester 1 (14 weeks), Semester 2 (14 weeks) and Summer Term (7 weeks), where appropriate.

Classes will be scheduled on weekday evenings, daytime or weekends. Summer Term will be utilized for those who want to spread out more evenly their learning over the normal period. Also, Summer Term will be a more convenient time if academics from overseas or the Chinese Mainland are invited to deliver some subjects.

Actual number of class meetings may vary in light of certain conditions in the offering semester, such as the arrangement of public holidays; or other pedagogical needs of subject lecturers.

Occasionally, some topics may be delivered in BLOCK MODE of *full-day* attendance for a few consecutive days and/or over the weekends. Students will be notified of the arrangement before subject registration. This is usually arranged to make full use of overseas academic visitors or professionals.

Combined classes of students from full-time stream, part-time stream and mixed-mode stream are widely adopted. Students enrol on the full-time stream will attend classes with students from other streams.

Visits to organizations or port facilities will be an important part of some subjects. In addition to gaining an insight into the transport and logistics field operations, the discussions between the practicing managers and the students on prevailing issues facing the industries will also serve to enhance awareness, generate interest, stimulate thought and enrich the full spectrum of learning.

The *normal* duration of this programme is *two academic years*, while the maximum period of study is *four academic years*.

6.4 Subject Offerings

Starting from Year 1 through Year 2	**Compulsory Subjects** (5 subjects - 15 credits) LGT5001 Organisational Management in Shipping and Logistics LGT5002 International Logistics Systems, Operations and Management LGT5015 Supply Chain Management LGT5064 Shipping Law LGT5065 Finance for Shipping and Logistics
Starting from Year 1 through Year 2	**Core Shipping Subjects** (2 subjects – 6 credits) LGT5010 Port Policy and Management LGT5012 Law and Practice in Marine Insurance
Starting from Year 1 Summer Term through Year 2 **For the Dissertation/ Project: Starting from Year 2 Semester 1 through Year 2 Semester 2**	**Elective Subjects** (A combination of subjects equivalent to 18 credits) AF5108 Accounting for Managers AF5121 Strategic Value and Cost Management ISE5010 Decision Support Modeling for Courier and Freight Management ISE512 Warehousing and Material Handling Systems ISE527 Logistics Information Systems LGT5007 Shipping Economics and Markets LGT5011 Admiralty Law LGT5013 Transport Logistics in China LGT5014 Air Transport Logistics and Management LGT5017 Maritime Logistics LGT5032 Strategic Procurement Management LGT5037 Project Management LGT5046 Contract Management LGT5051 Chinese Maritime and Port Law LGT5052 Maritime Claims Management LGT5054 Maritime and Port Risk Management LGT5066 Port Economics LGT5067 Intermodal Transport Management LGT5068 Maritime & Port Environment LGT5069 Airport & Terminal Management LGT5070 Environmental Logistics LGT5071 Ship Chartering Strategies LGT5072 Liner Shipping Management LGT5073 Risk Management in Operations LGT5101 Statistics for Management LGT5102 Models for Decision Making LGT5105 Managing Operations Systems LGT5113 Enterprise Resource Planning LGT5122 Applications of Decision Making Models LGT5131 Warehousing and Materials Management LGT5152 Information Systems for Supply Chain Management LGT5201 Dissertation* LGT5202 Project* MM501 Research Methods MM544 E-Commerce **Each subject counts for 3 credits while Dissertation & Project is worth 9 credits & 6 credits respectively.*
	LGT5222 Maritime Industry Internship **(6 training credits)** The placement for internship will be monitored by the Steering Committee of the Hong Kong Maritime and Logistics Scholarship Scheme.

Subject to university's minimum enrolment requirement, not all subjects will be offered each year. And, registration is subject to the availability of quota.

Starting from 2006/07, students at MSc level are allowed to choose **at most 1 elective**, equivalent to 3 credits, from the Common Pool to fulfill the elective requirements of the programme. Please visit the website http://www.polyu.edu.hk/fb/pg/commonpool for subject lists and subject syllabuses. **Students should strictly comply with the prescriptions of the programme curriculum when performing subject registration. Those who fail to meet the programme requirements will NOT be allowed to graduate.** Credit transfer/exemption will not be granted for subjects chosen from the Common Pool, unless the elective subject concerned falls within the programme curriculum.

Remark:
*First-year students are strongly advised to complete **ALL** the compulsory and core subjects before taking elective subjects.*

6.5 Programme Curriculum and Assessment Weightings

Compulsory subjects

Subject Code	Subject Title	Credits	Pre-requisite	Exclusion	Contact hours	Assessment	
						Coursework (%)	Examination (%)
LGT5001	Organizational Management in Shipping & Logistics	3	Nil	Nil	42	50	50
LGT5002	International Logistics Systems, Operations and Management	3	Nil	CSE564/ LGT5061	42	50	50
LGT5015	Supply Chain Management	3	Nil	Nil	42	60	40
LGT5064	Shipping Law	3	Nil	Nil	42	50	50
LGT5065	Finance for Shipping and Logistics	3	Nil	Nil	42	50	50
LGT5222	Maritime Industry Internship	6 (Training Credits)	Nil	Nil	240	100	0

Elective subjects

Subject Code	Subject Title	Credits	Pre-requisite	Exclusion	Contact hours	Assessment	
						Coursework (%)	Examination (%)
AF5108	Accounting for Managers	3	Nil	Nil	42	50	50
AF5121	Strategic Value and Cost Management	3	Nil	LGT5039 LGT5045	42	50	50
ISE5010	Decision Support Modeling for Courier and Freight Management	3	Nil	Nil	42	100	0
ISE512	Warehousing and Material Handling Systems	3	Nil	LGT5131	42	100	0
ISE527	Logistics Information Systems	3	Nil	LGT5152	42	100	0
LGT5007	Shipping Economics and Markets	3	Nil	Nil	42	50	50
LGT5010	Port Policy and Management	3	Nil	Nil	42	50	50
LGT5011	Admiralty Law	3	Nil	Nil	42	50	50
LGT5012	Law and Practice in Marine Insurance	3	Nil	Nil	42	50	50
LGT5013	Transport Logistics in China	3	*Understand Putonghua & read simplified Chinese Characters*	Nil	42	50	50
LGT5014	Air Transport Logistics and Management	3	Nil	Nil	42	50	50
LGT5017	Maritime Logistics	3	Nil	Nil	42	50	50
LGT5032	Strategic Procurement Management	3	Nil	Nil	42	50	50
LGT5037	Project Management	3	Nil	Nil	42	50	50
LGT5046	Contract Management	3	Nil	Nil	42	50	50
LGT5051	Chinese Maritime and Port Law	3	Nil	Nil	42	50	50

(Continued on next page)

(Continued) Elective subjects

Subject Code	Subject Title	Credits	Pre-requisite	Exclusion	Contact hours	Assessment	
						Coursework (%)	Examination (%)
LGT5052	Maritime Claims Management	3	Nil	Nil	42	50	50
LGT5054	Maritime and Port Risk Management	3	Nil	Nil	42	50	50
LGT5066	Port Economics	3	Nil	Nil	42	50	50
LGT5067	Intermodal Transport Management	3	Nil	Nil	42	50	50
LGT5068	Maritime and Port Environment	3	Nil	Nil	42	50	50
LGT5069	Airport and Terminal Management	3	Nil	Nil	42	50	50
LGT5070	Environmental Logistics	3	Nil	Nil	42	50	50
LGT5071	Ship Chartering Strategies	3	Nil	Nil	42	50	50
LGT5072	Liner Shipping Management	3	Nil	Nil	42	50	50
LGT5073	Risk Management in Operations	3	None, but knowledge of elementary business statistics and probability will be advantageous.	ISE548	42	60	40
LGT5101	Statistics for Management	3	Nil	Nil	42	50	50
LGT5102	Models for Decision Management	3	Nil	MGT532	42	50	50
LGT5105	Managing Operations Systems	3	Nil	Nil	42	50	50
LGT5113	Enterprise Resource Planning	3	Nil	Nil	42	50	50
LGT5122	Applications of Decision Making Models	3	LGT5102 (co-requisite)	Nil	42	100	0
LGT5131	Warehousing and Materials Management	3	Nil	ISE512	42	50	50
LGT5152	Information Systems for Supply Chain Management	3	Nil	ISE527	42	50	50
*LGT5201	Dissertation	9	Nil	LGT5202	NA	100	0
*LGT5202	Project	6	Nil	LGT5201	NA	100	0
MM501	Research Methods	3	3	Nil	BRE501 MM5011	42	100
MM544	E-Commerce	3	Nil	Nil	42	50	50

*For MSc only: choose either one

6.6 Recommended Progress Pattern

Students are encouraged to follow the recommended progression pattern[1] to benefit from a cohort-based study and to graduate within the normal study period. The programme allows students the flexibility to proceed at their own pace. Despite the recommended progression pattern, all the compulsory and elective subjects can be studied at any order provided that the pre-requisites, if any, of the subjects are satisfied.

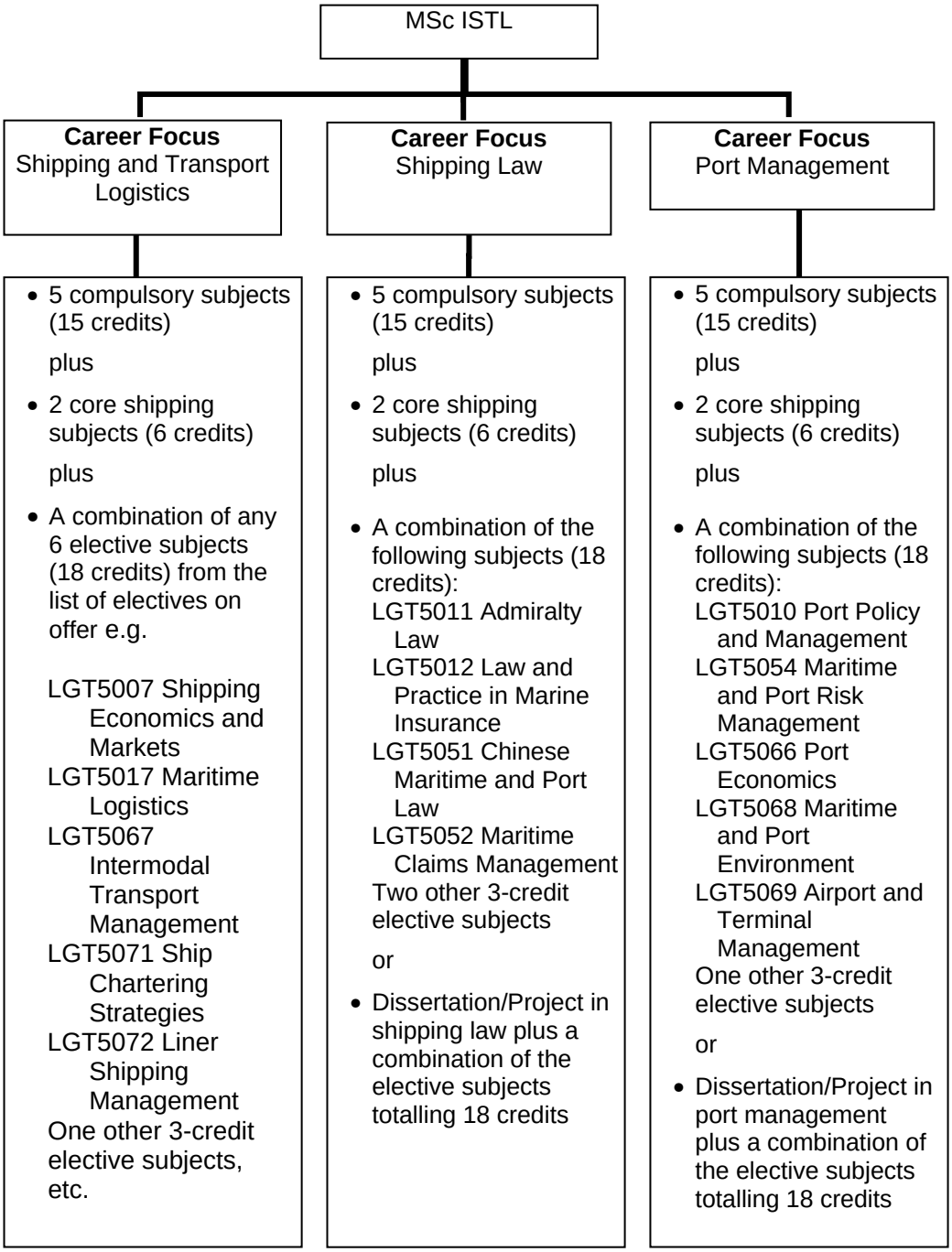
Under the recommended progression pattern, students are advised to take 2 to 4 subjects over a regular 14-week semester, and 1 to 2 subjects over an optional 7-week Summer Term, compulsory first, followed by electives.

Students who opt for the Dissertation/Project should start the preparation during the 1st semester of Year 2. To enable students be better prepared for their MSc Dissertation/Project, the research methodology element will be taught in the form of guided study at the beginning of the preparatory phase.

[1] Patterned subjects on offer are subject to change without prior notice. Students can enquire the class timetable of the semester concerned via http://www.polyu.edu.hk/student upon release of the relevant class timetable.

Options for the Choices of Electives and Career Development

In addition to the compulsory subjects, students who opt for MSc can take the elective subjects in the following manner to meet the needs of their career development:



6.7 Professional Recognition

Graduates of the MSc in International Shipping and Transport Logistics have been granted full exemption from the Qualifying Examination of The Chartered Institute of Logistics and Transport in Hong Kong.

7. PROGRAMME MANAGEMENT AND OPERATION

A Programme Committee is formed to exercise the overall academic and operational responsibility for the Programme and its development within policies, procedures and regulations defined by the University. Its composition comprises academics and student representatives.

The Programme Director and/or Deputy Programme Director and/or Programme Manager are responsible for the day-to-day management and operation of the programme, student admissions, teaching and learning matters, quality assurance (QA) and programme development. Their prime role is to ensure the programme is delivered according to the established QA mechanism.

8. COMMUNICATIONS WITH STUDENTS

While we work to communicate clearly and in a timely manner with students according to University regulations and procedures, it is the **responsibility of students** to help maintain the effectiveness of the communication process. **Students should ensure that their up-to-date personal and correspondence details are provided** to the University and the relevant departments (e.g. AS, LMS, subject offering departments, etc); and **check relevant correspondence channels regularly** to obtain the latest information regarding their studies and the status of any related applications (e.g. late assessment, appeal of subject results, add/drop of subjects, deferment, etc) lodged. Failure in doing so will not constitute any grounds for appeals/complaints against consequences/decisions of the relevant matters and applications.

9. SUBJECT REGISTRATION

9.1 Add/Drop of Subjects

In addition to programme registration, students need to register for subjects at specified period after the commencement of the semester.

If you wish to change the subjects enrolled, you may do so through the online add/drop system during the 2-week add/drop period (one week for summer term). You are advised not to make any changes to the subjects pre-assigned to you by the Department without consulting your Department/Academic Advisor. In case you wish to drop all subjects for a semester, you must first seek approval from your Department for zero subject enrolment. Otherwise, you may be considered as having decided to withdraw from study on the programme concerned. Dropping of subjects after the add/drop period is not allowed. If you have a genuine need to do so, it will be handled as withdrawal of subject.

If they have taken more credits, they will receive a second debit note on the remaining tuition fee about 5 weeks after the commencement of the semester. If they have taken less credits, a refund will be made.

9.2 Withdrawal of Subjects

If you have a genuine need to withdraw from a subject after the add/drop period, you should submit an application for withdrawal of subject to your programme offering department. Such requests will be considered by both the programme leader and the subject lecturer concerned if there are strong justifications and when the tuition fee of the subject concerned has been settled. Requests for subject withdrawal will not be entertained after the commencement of the examination period for your programme.

For approved cases, a handling fee will be charged. The tuition fees paid for the withdrawn subject will be forfeited. The withdrawn subjects will still be reported in your Examination Result Sheet and Transcript of Studies although they will not be counted in GPA calculation. If the handling fee concerned is outstanding by the payment deadline, the approval given will be declared void and you are required to attend classes of this subject and complete its assessment(s) accordingly. A reinstatement fee of HK$400 will be charged if you wish to reinstate the approval for the withdrawn subject.

10. CREDIT EXEMPTION AND TRANSFER

Irrespective of the extent of previous study or credits recognized, all students studying in PolyU should complete at least one third of the normal credit requirement in order to be eligible for the PolyU award.

If you consider your previous study relevant to your current programme, you may apply for credit exemption or transfer by using **Form AS41c**.

Credit Exemption
You may be granted exemption from taking certain subjects if you have successfully completed similar subjects in another programme. The credits associated with the exempted subject will not be counted for satisfying the credit requirements of your programme. You should consult your Department and take another subject in its place. For students whose tuition fees are charged by credits, an exemption fee will be charged.

Credit Transfer
You should submit an application for credit transfer upon your initial enrolment on the programme or before the end of the add/drop period of the first semester of your first year of study. Late applications may not be considered. For students whose tuition fees are charged by credits, a credit transfer fee will be charged.

The validity period of subject credits earned is eight years from the year of attainment, i.e. the year in which the subject is completed, unless otherwise specified by the department responsible for the content of the subject (e.g. the credit was earned in 1998-99, then the validity period should count from 1999 for eight years). Credits earned from previous studies should remain valid at the time when the student applies for transfer of credits. There is a limit on the maximum number of credits that could be transferred. If the credits attained from previous study are from PolyU, the total credits transferred should not exceed 67% of the required credits for the award. If the credits gained are from other institutions, the total credits transferred should not exceed 50%. In cases where both types of credits are transferred, not more than 50% of the required number of credits for the academic award may be transferred. Grades may or may not be given for the transferred credits.

All credits transferred will be counted for satisfying the award requirements. Transferred credits may be counted for meeting the requirements of more than one award..

11. RETAKING OF SUBJECTS

After the announcement of overall assessment results in a semester, you should check whether you have failed any subject via the eStudent and arrange for retaking of the subject during subject registration.

In addition to retaking a subject due to failure, you may retake any subject for the purpose of improving your grades. These students will be accorded a lower priority for taking the concerned subjects and can only do so if places are available. Students concerned can register for such subjects during the last 2 days of the add/drop period.

When you retake a subject, only the final subject grade after the retake will be included in the calculation of the Grade Point Average (GPA) and the Grade Point Average for award classification. Although the original grade will not be included in the calculation of GPAs, it will be shown on the transcript of studies. You should refer to this document to ascertain the requirements, in particular for subjects offered in consecutive semesters, for retaking failed subjects or seek advice from the department concerned.

Students paying credit fee will be charged for the subjects retaken.

12. ZERO SUBJECT ENROLLMENT

If you do not wish to take any subject in a semester (including the compulsory summer term specified in this document), you must seek approval from your Department to retain your study place by submitting **Form AS112** before the start of the semester and in any case not later than the end of the add/drop period. Otherwise, your registration and student status with the University will be removed. The semesters during which you are allowed to take zero subject will be counted towards the maximum period of registration for the programme.

You will receive notification from the Department normally within 2 weeks if your application is successful. Students who have been approved for zero subject enrolment are allowed to retain their student status and continue using campus facilities and library facilities. A fee of HK$2,105 per semester for retention of study place will be charged.

13. DEFERMENT OF STUDY

You may apply for deferment of study if you have a genuine need to do so, such as illness. The deferment period will not be counted as part of the maximum period of registration.

You are required to submit an application for deferment of study via **Form AS7** to the programme offering department. You will be informed of the result of your application in writing or via e-mail by the Department normally within three weeks from the date of application.

Once you have been approved to defer your study, it is necessary for you to return your student identity card to the relevant office immediately and not later than two weeks

after the approval of your application. If you do not return your student identity card by the deadline, the approval on your application will be withdrawn.

It is necessary for you to settle all the outstanding tuition fee and/or other fees in order to have your application for deferment processed if the application is submitted after the start of a semester. However, if you submit the application before the commencement of the relevant semester, the tuition fee paid after deducting a fee of HK$5,000 will be refunded to you in cash. If the tuition fee paid is equal to or less than the above amount, no refund will be arranged. The deduction of such fee will be waived for current students. Alternatively, you may apply for zero subject enrolment to reserve your study place.

Upon expiry of the approved period of deferred study, you will be advised to settle the tuition fee and complete the subject registration procedures. If you do not receive such notification one week before the commencement of the Semester, you should enquire at the Academic Secretariat..

14. WITHDRAWAL OF STUDY

14.1 Official Withdrawal

If you wish to discontinue your study at the University before completing your programme, it is necessary for you to complete the withdrawal procedure via Form **AS6**. Fees paid for the semester which you are studying will not be refunded.

Your application will not be processed if you have not returned your student identity card with the application form or have not cleared outstanding matters with the various departments/offices concerned, such as settling outstanding fees/fines and Library loans and clearing your locker provided by the Student Affairs Office.

The relevant Faculty/School Board Office will inform you in writing or via e-mail of the result of your application, normally within three weeks from the date of application.

Upon confirmation of your official withdrawal, you will be eligible for the refund of the caution money paid if you have no outstanding debts to the University.

However, if you have paid the tuition fee for the semester concerned and your application is submitted before the commencement of that semester, the tuition fee paid after deducting a fee of HK$5,000 will be refunded to you in cash. If the tuition fee paid is
equal to or less than the above amount, no refund will be arranged. The deduction of such fee will be waived for current students.

If you discontinue your study at the University without completing proper withdrawal procedures, you will be regarded as unofficially withdrawn and the caution money paid at first registration will be confiscated.

14.2 Discontinuation of Study

If you discontinue your study without following the proper procedures for official withdrawal, you will be regarded as having given up your study at the University. In such cases, you will not be eligible for the refund of caution money and shall

not be considered for re-admission to the same programme-stream in the following academic year.

14.3 De-registration

If you are de-registered on grounds of academic failure, you must return your student identity card to the Academic Secretariat within 3 weeks upon the official release of assessment result. Failure to return the student identity card may render you not eligible for any certification of your study nor for admission in subsequent years. The caution money paid will also be confiscated. Any subsequent request for the refund of caution money by returning the student identity card after the original deadline will not be entertained.

Students who have been de-registered shall not be considered for re-admission to the same programme-stream in the following academic year.

15. ASSESSMENT METHODS

Students' performance in a subject can be assessed by continuous assessment and/or examinations, at the discretion of the individual subject offering Department. Where both continuous assessment and examinations are used, the weighting of each in the overall subject grade shall be clearly stated in this document. Learning outcome should be assessed by continuous assessment and/or examination appropriately, in line with the outcome-based approach.

Continuous assessment may include tests, assignments, projects, laboratory work, field exercises, presentations and other forms of classroom participation. Continuous Assessment assignments which involve group work should nevertheless include some individual components therein. The contribution made by each student in continuous assessment involving a group effort shall be determined and assessed separately, and this can result in different grades being awarded to students in the same group.

16. PASSING A SUBJECT

In order to pass in a subject offered by the School/Departments in the Faculty of Business (i.e. subjects with prefix of AF/LGT/MM/FB), all students have to obtain Grade D or above in both the continuous assessment and examination components of the subject. If a subject is assessed by only one component (either by continuous assessment or examination), then the passing grade for the subject is D.

17. ASSESSMENT OF DISSERTATION/PROJECT

17.1 General Regulations

The dissertation/project is equivalent to 9 and 6 credits respectively; and students must satisfy the appropriate pre-requisites before they can enrol in the dissertation/project.

The dissertation/project will include a "Research Methodology" class, normally before the start of dissertation/project. The normal period for completion is one academic year (two 14-week semesters and 7-week Summer Term). To ensure that students are suitably equipped before the dissertation/project is started, a minimum of 12 credits must have been achieved before registering for the dissertation/project. Students who are unable to pass the subject within the normal period would be deemed having failed the subject. The normal period for dissertation may be extended, subject to the approval of the Dissertation/Project Coordinator and based on the academic judgement of the likelihood of the student succeeding within the time granted for the extension, for a period of one semester every time. When permission is granted to extend the registration, the student will be required to pay a 3-credit course fee for each additional semester.

Break of study is normally not permitted once a student registers for dissertation/project and students are expected to pursue their dissertation/project in consecutive semesters. No re-assessment or retake of the failed dissertation/ project is allowed.

17.2 Procedures for Preparing the Dissertation/Project

Preparatory Phase – to identify a research topic area with matching Dissertation/Project Supervisor, and agree on the research goals and methodology, with plans and schedules, through literature search and active dialogue between student and Supervisor. Student will not proceed to the 2nd phase if the research proposal is not satisfactory.

Research Phase – this is the period for carrying out the actual research work. The student should meet with the Supervisor regularly for guidance and continuous assessment of the progress. When the Supervisor is satisfied that the research goals have been achieved the student can then proceed to the final phase.

Submission of the dissertation/project – this is the writing up of the work according to the standard format.

As a standalone compulsory component not directly assessed, there is a "Research Methodology" class that students taking the dissertation/project must attend, normally before the preparatory phase but can also be taken during the research phase. This taught component serves to introduce tools and techniques useful for doing research and writing up a dissertation/project.

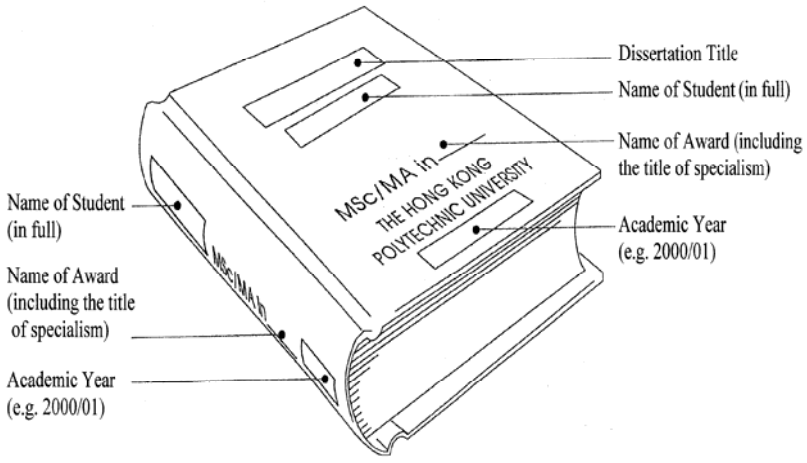
17.3 Assessment of Dissertation/Project

The final project will be assessed by the Supervisor and a moderator. For student who opts for dissertation, an oral examination is also appraised by an Assessment Panel consisting of the Supervisor, the moderator and a 3rd panel member appointed by the Dissertation Coordinator.

The Dissertation Supervisor shall make arrangements on a mutually convenient time and place for an oral examination with presence of assessors after submission of THREE temporary bound copies of the dissertation.

Students are required to submit TWO case-bound copies of the dissertation to their Dissertation Coordinator via their Dissertation Supervisor within one month after the completion of the dissertation (i.e. the announcement of the assessment grade).

Rough Sketch of a Bound Dissertation



18. GRADING

Assessment grades shall be awarded on a criterion-reference basis. Students' overall performance in a subject shall be graded as follows:

Grade	Description	Numeral Grade Point
A+	Exceptionally Outstanding	4.5
A	Outstanding	4
B+	Very Good	3.5
B	Good	3
C+	Wholly Satisfactory	2.5
C	Satisfactory	2
D+	Barely Satisfactory	1.5
D	Barely Adequate	1
F	Inadequate	0

'F' is a subject failure grade, whilst all others ('D' to 'A+') are subject passing grades. No credit will be earned if a subject is failed.

At the end of each semester/term, a Grade Point Average (GPA) will be computed as follows, and based on the numeral grade point of all the subjects:

$$GPA = \frac{\sum_{n} \text{Subject Grade Point} \times \text{Subject Credit Value}}{\sum_{n} \text{Subject Credit Value}}$$

where n = number of all subjects (inclusive of failed subjects) taken by the student up to and including the latest semester/term, but for subjects which have been retaken, only the grade obtained in the final attempt will be included in the GPA calculation.

In addition, the following subjects will be excluded from the GPA calculation:

(i) Exempted subjects
(ii) Ungraded subjects
(iii) Incomplete subjects
(iv) Subjects for which credit transfer has been approved without any grade assigned
(v) Subjects from which a student has been allowed to withdraw

Subject which has been given an "S" subject code, i.e. absent from examination, will be included in the GPA calculation and will be counted as "zero" grade point. GPA is thus the unweighted cumulative average calculated for a student, for all relevant subjects taken from the start of the programme to a particular point of time. GPA is an indicator of overall performance and is capped at 4.0.

Any subject passed after the graduation requirement has been met or subjects taken on top of the prescribed credit requirements for award shall not be taken into account in the grade point calculation for award classification.

19. PROGRESSION AND DE-REGISTRATION

A student will normally have "progressing" status unless he/she falls within the following categories, any one of which may be regarded as grounds for de-registration from the Programme:

(i) The student has exceeded the maximum period of registration; or

(ii) The student's GPA is lower than 2.0 for two consecutive semesters and his/her Semester GPA in the second semester is below 2.0; or

(iii) The student's GPA is lower than 2.0 for three consecutive semesters.

Notwithstanding the above, the Board of Examiners will have the discretion to de-register students with extremely poor academic performance before the time specified in (ii) and (iii) above. If there are good reasons, the Board of Examiners has the discretion to recommend, for approval by the respective Faculty/School Board, that students who fall into categories (ii) or (iii) be allowed to stay on the programme.

The progression of students to the following academic year will not be affected by the GPA obtained in an optional Summer Term and that the Summer Term study does not constitute a substantial requirement for graduation.

20. ACADEMIC PROBATION

The academic probation system is implemented to give prior warning to students who need to make improvement in order to fulfil the GPA requirement of the University. If your GPA is below 2.0, you will be put on academic probation in the following semester. If you are able to obtain a GPA of 2.0 or above by the end of the probation semester, the status of "academic probation" will be lifted. The status of "academic probation" will be reflected on the web assessment results. However, this status will not be displayed in the transcript of studies.

21. ELIGIBILITY FOR AWARD

A student would be eligible for the award of Master of Science in International Shipping and Transport Logistics on satisfying ALL the conditions listed below:

(i) Accumulation of the requisite number of credits for the award, as defined in this document.

(ii) Satisfying all the 'compulsory' and 'elective' requirements defined.

(iii) Having a GPA of 2.0 or above at the end of the programme.

A student is required to graduate as soon as he satisfies all the conditions stated above. A student may take more credits than he needs to graduate on top of the prescribed credit requirements for his award in or before the semester within which he becomes eligible for award.

22. AWARD CLASSIFICATIONS

The following award classifications apply to your programme:

Award Classification	GPA
Distinction	3.7^{+} – 4.0
Credit	3.2^{+} – 3.7^{-}
Pass	2.0 – 3.2^{-}

The above ranges for different classifications are subject to Board of Examiners' individual discussion of marginal cases.

Note: "+" sign denotes 'equal to and more than'; "–" sign denotes 'less than'.

23. LATE ASSESSMENT

If you have been absent from an examination or are unable to complete all assessment components of a subject because of illness, injury or other unforeseeable reasons, you may apply for a late assessment. Application in writing should be made to the Head of Department offering the subject within five working days from the date of the examination together with any supporting documents such as a medical certificate. Approval of applications for late assessment and the means for such late assessments shall be given by the Head of Department offering the subject or the Subject Lecturer concerned.

In case you are permitted to take a late assessment, that examination or other forms of assessment as decided by SARP will be regarded as a first assessment and the actual grade attained will be awarded.

You are required to settle a late assessment fee before taking/completing the late assessment. If you fail to settle the fee, the result of your late assessment would be invalidated.

24. PROCEDURES FOR APPEAL

Students appealing against the decision on their assessment results shall pay a fee of HK$125. Payment forms are obtainable from the Academic Secretariat Service Centre. If more than one examination paper is involved, an extra fee of HK$125 shall be charged for each additional paper. This fee shall be refunded if the appeal is upheld.

A student should make his/her appeal in writing to his/her Head of Department no later than 7 working days upon the public announcement of his/her overall examination results, i.e. the date when the overall results are announced to students via the web. [For 2012-13, the announcement dates for overall results are 1 February 2013 (Semester 1), 14 June 2013 (Semester 2) and 20 August 2013 (Summer Term).] The Head of Department shall deal with the appeal if the student is studying in a department-based programme/scheme. If the student is studying in other types of programmes/schemes, the Head of Department shall refer the appeal to the Scheme Committee Chairman for Postgraduate Schemes.

The appeal should be accompanied by a copy of the fee receipt, for inspection by the Department concerned. The student should give a complete account of the grounds for the appeal in the letter, and provide any supporting evidence.

Departments should inform the student concerned of the appeal result within 7 working days after either the announcement of the student's overall examination result or receipt of the letter of appeal, whichever is later.

If the appellant is dissatisfied with the decision, he/she may then appeal in writing to the Academic Secretary but not later than 7 working days after receipt of the Head of Department's/authorised person's reply. He/She should provide the following information together with other relevant documents in support of the appeal:

- name in English and Chinese;
- student number;
- programme title, year and class of study;
- examination/subject results appealing against; and
- grounds for appeal.

The Academic Secretary shall then refer the case to the Academic Appeals Committee, who shall determine whether there are prima facie grounds for a reconsideration of the Subject Lecturer's/SARP's/BoE's decision.

The decisions of the Academic Appeals Committee shall be final within the University.

25. SIT-IN ARRANGEMENT

Subject to the following procedures and guidelines, students may be permitted to sit in on only elective subjects:

(a) **Before commencement of the elective subject, students must obtain** endorsement from the subject lecturer concerned and seek prior approval from the Programme Director;
(b) Students are required to **comply with all the assessment requirements** as prescribed by the subject lecturer concerned **except the final examination**. The subject result **will NOT be counted towards the overall GPA**; and
(c) Throughout the programme, students **can sit in on one additional Faculty of Business elective taught subject without paying tuition fee**.

26. DISMISSAL OF CLASS

If the subject lecturer does not show up after 30 minutes of the scheduled start time, the class is considered cancelled and appropriate follow up arrangements (e.g. rescheduled class, make-up class, etc) will be announced to students in due course.

27. PLAGIARISM AND BIBLIOGRAPHIC REFERENCING

The University and the GSB view plagiarism and copying of copyright materials, without the licence of the copyright owner, as a serious disciplinary offence. Students should comply with the University's policy on plagiarism in continuous assessment, bibliographic referencing and photocopying of copyright materials.

28. PREVENTION OF BRIBERY ORDINANCE

PolyU staff members may in no circumstances solicit or accept an advantage. For relevant details, please refer to the Prevention of Bribery Ordinance (Chapter 201) of the Laws of Hong Kong at http://www.legislation.gov.hk.

For details of all the regulations covered in this publication, please refer to the Student Handbook of the relevant year.

PART II: SUBJECT SYLLABUSES

Website of Common Pool Electives
http://www.polyu.edu.hk/fb/pg/commonpool

The subject syllabuses contained in this Definitive Programme Document are subject to review and change from time to time. The Department of Logistics and Maritime Studies / subject offering department(s) reserve(s) the right to revise or withdraw the offer of any subject contained in this document. For teaching and learning, students should refer to the updated subject syllabuses distributed to them by the relevant subject lecturers when they take the corresponding subjects.

Subject Code	AF5108
Subject Title	Accounting for Managers
Credit Value	3
Level	5
Normal Duration	1-semester
Pre-requisite / Co-requisite/ Exclusion	None
Role and Purposes	This course is to introduce students the fundamental concepts and analytical techniques for financial and managerial accounting. It contributes to the achievement of MSc in Management programme Outcome by enabling students to have the basic concepts on company's financial and managerial accounting information and be able to use both financial and managerial accounting techniques to analyze company's financial positions, resolve management problems or facilitate decision making processes (Outcome 1). More specifically, students will learn how economic transactions are recorded and translated into accounting information useful in the decision-making process of managers and others (such as investors, creditors, etc.). Students will also learn how relevant cost and other accounting data can be used to aid managers in planning, control and decision making.
Subject Learning Outcomes	Upon completion of the subject, students will be able to: **Financial Accounting (FA)** a. Understand the accounting function of an organization (both profit making and non-profit making) so as to interact effectively with the accounting function of an organization, as well as recognize the challenges and issues facing the organization. b. Understand and apply principles of good corporate governance. c. Identify, record and communicate accounting information. d. Understand the basic concepts and principles underlying financial statements, and be able to interpret financial statements, including balance sheet, income statement and cash flow statement, as well as evaluate a firm's performance. **Managerial Accounting (MA)** e. Understand various managerial accounting techniques such as CVP, contribution margin concepts, relevant costing …etc. f. Understand the use of accounting information for management control and decision making, as well as their constraints.

<table>
<tr><td>Subject Synopsis/ Indicative Syllabus</td><td>
Financial Reporting Systems and Accounting Procedures
Concepts and principles underlying financial statements, measuring and reporting assets and equities

Techniques of Analyzing Financial Statements
Ratio analysis, vertical analysis, horizontal analysis

Corporate Governance
Principles and issues relating to internal control

Cost Behaviour and Decision Making
Cost-volume-profit analysis, relevant cost

Management Control Process
Responsibility accounting concepts, segment reporting, performance measures (i.e. ROI, Residual income)

Capital Investment Decisions
Methods for capital investment appraisal including payback, accounting rate of return, discounted cash flow models: net present value and internal rate of return
</td></tr>
<tr><td>Teaching/Learning Methodology</td><td>Concepts and issues in the Indicative Contents are discussed in seminars. Exercises, problems and short cases are used to illustrate the concepts and issues so as to enhance students' understanding of the materials discussed. Students are expected to be interactive in classes to maximize the exchange of knowledge and opinions.</td></tr>
<tr><td>Assessment Methods in Alignment with Intended Learning Outcomes</td><td>
<table>
<tr><th>Specific assessment methods/tasks</th><th>% weighting</th><th>Financial Accounting</th><th>Managerial Accounting</th></tr>
<tr><td>1. Homework</td><td>15%</td><td>5%</td><td>10%</td></tr>
<tr><td>2. Mid-term test</td><td>25%</td><td>25%</td><td>n.a.</td></tr>
<tr><td>3. Participation</td><td>10%</td><td>5%</td><td>5%</td></tr>
<tr><td>4. Final examination</td><td>50%</td><td>15%</td><td>35%</td></tr>
<tr><td>Total</td><td>100%</td><td>50%</td><td>50%</td></tr>
</table>
Explanation of the appropriateness of the assessment methods in assessing the intended learning outcomes:
1. Individual homework assignments are given to students to encourage students to apply concepts and techniques in business cases and problems.
2. Mid-term test and final examination are used to test students' understanding of accounting concepts and the ability to apprehend and resolve problems.
</td></tr>
</table>

<table>
<tr><td></td><td colspan="2">3. Participation marks are given to motivate students to think and speak out in classes.

Note: To pass this subject, students are required to obtain Grade D or above in BOTH the Continuous Assessment and Examination components. In addition, the specific requirements on individual assessment components discussed above could be adjusted based on the pedagogical needs of subject lecturers.</td></tr>
<tr><td rowspan="6">Student Study Effort Expected</td><td>Class contact:</td><td></td></tr>
<tr><td>▪ Lectures / Seminars</td><td>42 Hrs.</td></tr>
<tr><td>Other student study effort:</td><td></td></tr>
<tr><td>▪ Assignments, projects</td><td>21 Hrs.</td></tr>
<tr><td>▪ Revision</td><td>57 Hrs.</td></tr>
<tr><td>Total student study effort</td><td>120 Hrs.</td></tr>
<tr><td>Reading List and References</td><td colspan="2">Kimmel, P., D., J. Weygandt and D. Kieso, Accounting, Latest Edition, John Wiley & Sons, Inc.

Horngren, C., W. Harrison and L. Bamber, Accounting, Latest Edition, Prentice Hall.

Horngren, C. and W. Harrison, Financial and Managerial Accounting, Latest Edition, Prentice Hall.

Jiambalvo, J., Managerial Accounting, Latest Edition, Wiley.

Wild, J., Financial Accounting: Information for Decisions, Latest Edition, McGraw-Hill Irwin.

Williams, J., S. Haka and M. Bettner, Financial and Managerial Accounting: The Basis for Business Decision, Latest Edition, McGraw-Hill Irwin.

Garrison, Noreen, Brewer, Managerial Accounting, McGraw-Hill, 12th edition.

Anthony, RN, Govindarajan, V, Management control Systems, McGraw-Hill.</td></tr>
</table>

Subject Code	AF5121
Subject Title	Strategic Value and Cost Management
Credit Value	3
Level	5
Normal Duration	One Semester
Pre-requisite / **Co-requisite/** **Exclusion**	Exclusion: Strategic Value Management (LGT5039) *OR* Strategic Value and Cost Management (LGT5045)
Role and Purposes	This subject aims to: • Familiarize students with strategic and operational concepts of value and cost that are critical to the understanding and analysis of problems associated with managing operations and resources allocation (GSM Outcomes 2 & 4). • Stimulate critical and creative thinking in the business setting by integrating the internal and external contingent variables relating to the cost of transacting that define the relationships and contracts that will best serve the business (ISS Outcome 1). • Equip students with cost and management accounting problem solving skills which help them understand critically how value and cost can be strategically managed to improve efficiency and effectiveness that improve competitive advantage and operational sustainability (ISS Outcome 1; GSM Outcome 4).
Subject Learning Outcomes	Upon completion of the subject, students will be able to: (a) Understand and critically apply the appropriate techniques to generate information on costs and other critical success factors to help management in strategic planning and control (GSM Outcome 4). (b) Suggest alternative solutions to various management decision-making problems based on their understanding of relevant cost information and other management accounting tools (ISS Outcome 1). (c) Understand and critically apply the concepts and theories of strategic values and costs and their related issues, which are necessary in the efficient management of operations and resources allocation (GSM Outcome 2).

Subject Synopsis/ Indicative Syllabus	**Strategic Values and Positioning** Concepts of strategic values. Value chain analysis and competitive strategy. Link between strategic positioning and cost management. Ethical standards and resolution of ethical conflicts. **Understanding Costs: Concepts, Classifications and Estimations** Cost and management accounting terms. Manufacturing cost flows. Cost behaviours and Cost estimation. **Variable Costing and Cost-Volume-Profit Analysis** Difference between absorption costing and variable costing. Breakeven analysis. Relationship between CVP and cost planning. **Job Costing and Activity Based Costing** Description the building block concept of costing systems. Approach to job costing. Cost allocation systems. Understanding cost drivers. Distinctive features of activity based costing. **Budgeting** Master budget and its strategic role to organisations. Zero-based budgeting. Incremental budgeting. Fundamental budgetary behaviour. **Decision Making Processes and Pricing Decisions** Fundamental concepts on decision making. Different decision making scenarios. Strategic issues in using relevant cost information. Strategic pricing. Life-cycle costing. Target costing. Theory of constraints. **Performance Measurement** Decentralization and responsibility centers. Segment reporting and profitability. Performance measures. The Balanced Scorecard. Linking performance measures to strategy. **Quality Assurance and Strategic Value** Link between quality and strategic value. Total quality management. Six Sigma approach. Costs of quality reports. Quality cost information and decision making.
Teaching/Learning Methodology	This course is conducted on a three-hour seminar basis, including an approximately two-hour mass lecture each week to initiate students into the ideas, concepts and techniques of the topics in the syllabus, which is then reinforced by a tutorial designed to consolidate and develop students' knowledge through practical problem solving, presentations of cases or discussions of articles relevant for the subject.

<table>
<tr>
<td>Assessment Methods in Alignment with Intended Learning Outcomes</td>
<td>
<table>
<tr><td rowspan="2">Specific assessment methods/tasks</td><td rowspan="2">% weighting</td><td colspan="6">Intended subject learning outcomes to be assessed</td></tr>
<tr><td>a</td><td>b</td><td>c</td><td></td><td></td><td></td></tr>
<tr><td>1. Case Report and Presentations</td><td>15%</td><td>✓</td><td>✓</td><td>✓</td><td></td><td></td><td></td></tr>
<tr><td>2. Participation and Attendance</td><td>10%</td><td>✓</td><td>✓</td><td>✓</td><td></td><td></td><td></td></tr>
<tr><td>3. Quiz</td><td>25%</td><td>✓</td><td>✓</td><td>✓</td><td></td><td></td><td></td></tr>
<tr><td>4. Final Examination</td><td>50%</td><td>✓</td><td>✓</td><td>✓</td><td></td><td></td><td></td></tr>
<tr><td>Total</td><td>100 %</td><td colspan="6"></td></tr>
</table>

Explanation of the appropriateness of the assessment methods in assessing the intended learning outcomes:

Note: To pass this subject, students are required to obtain Grade D or above in BOTH the Continuous Assessment and Examination components. In addition, the specific requirements on individual assessment components discussed above could be adjusted based on the pedagogical needs of subject lecturers.
</td>
</tr>
<tr>
<td>Student Study Effort Expected</td>
<td>
<table>
<tr><td>Class contact:</td><td></td></tr>
<tr><td>▪ Seminars</td><td>42 Hrs.</td></tr>
<tr><td>Other student study effort:</td><td></td></tr>
<tr><td>▪ Depends on their backgrounds, on average students are expected to spend around 2 more hours for each contact hour for reading subject materials/textbook, doing discussion questions and assignments.</td><td>78 Hrs.</td></tr>
<tr><td>Total student study effort</td><td>117 Hrs.</td></tr>
</table>
</td>
</tr>
<tr>
<td>Reading List and References</td>
<td>Blocher/Chen/Cokins/Lin, Cost Management: A Strategic Emphasis, most recent edition, McGraw Hill.

Kaplan, R. S. and A. A. Atkinson, most recent edition, Advanced Management Accounting, Prentice Hall.

Shank, K. and Govindarajan, V, most recent edition, Strategic cost management, Ashgate.</td>
</tr>
</table>

Subject Code	ISE5010
Subject Title	Decision Support Modeling for Courier and Freight Management
Credit Value	3
Level	5
Pre-requisite/Co-requisite/Exclusion	Nil
Objectives	This subject provides students with 1. the concepts and experience in various modern decision support models with applications in courier and freight management; 2. the knowledge of scenario articulation values, strategy formulation, and case examples.
Intended Learning Outcomes	Upon completion of the subject, students will be able to a. apply the basic skills and concepts of various decision support models in business and logistics environments; b. recognize scenario articulation values, strategy formulation and implementation; c. solve logistics problems using tools and methodologies associated with decision support theories and applications.
Subject Synopsis/ Indicative Syllabus	1. <u>Introduction to Decision Support Models</u> Decision support models compared with other intelligent expert systems; Pivot tables and expert systems with applications; Multidimensional database and data analysis approaches; Online analytical processing; Architecture and components of knowledge-based systems; Rule-based reasoning principles and applications. 2. <u>Development of Organizational Strategies</u> Organizational strategies for supporting ES, KBS, and DSS; Management involvement in DSS; Executive information system to support decision making; Tools for DSS. 3. <u>Case Studies of Decision Support Systems</u> Application systems in courier and freight forwarding activities; Production scheduling; Optimization examples in business and logistics settings.
Teaching/Learning Methodology	A mixture of lectures, tutorial exercises, and case studies are used to deliver the various topics in this subject, some of which are covered in a problem-based format where the learning objectives are enhanced. Other topics are covered through directed study to enhance the students' "learning to learn" ability. Some case studies, largely based on consultancy experience, are used to integrate these topics and thus demonstrate to students how the various techniques are interrelated and how they apply in real-life situations.

Assessment Methods in Alignment with Intended Learning Outcomes

Specific assessment methods/tasks	% weighting	Intended subject learning outcomes to be assessed					
		a	b	c			
1. Assignments	20%	✓	✓				
2. Project	30%	✓	✓	✓			
3. Case studies	20%	✓		✓			
4. Test	30%	✓	✓	✓			
Total	100%						

The test and project are designed to measure students' depth of knowledge on the issues of decision support modeling for courier and freight management. Assignments are designed to reflect students' understanding of the concepts and skills taught on various decision support models in business and logistics environments. Case studies are designed to appraise students' recommendations in applying the skills taught, tools, and methodologies associated with decision support theories and applications to solve logistics problems.

Student Study Effort Expected

Class contact:	
▪ Lecture	18 Hrs.
▪ Case studies/Seminars	12 Hrs.
▪ Laboratory/Tutorial	12 Hrs.
Other student study effort:	
▪ Preparation for case studies and assignments	30 Hrs.
▪ Self-revision for project and test	34 Hrs.
Total student study effort	106 Hrs.

Reading List and References	1. Akerkar, R, A and Sajja, P, S. 2010, *Knowledge-Based Systems*, Jones and Bartlett, Priti Srinivas 2. Turban, Efraim and Aronson, and JE. 2009, *Decision Support Systems and Intelligent Systems*, Prentice Hall, Upper Saddle River, N.J. 3. Lewis, J. 2008, *Mastering Project Management: Applying Advanced Concepts to Systems Thinking, Control & Evaluation, Resource Allocation, 2nd edn*, McGraw-Hill, New York 4. Phillips-Wren, G, Ichalkaranje, Nikhil and Lakhmi, C, J. 2008, *Intelligent Decision Making: An AI-Based Approach*, Springer-Verlag, Berlin, Heidelberg 5. Turban, E and Aronson, J, E. 2005, *Decision Support Systems and Intelligent Systems, 7th edn*, Pearson Education, Upper Saddle River, N.J. 6. Moore, J, H and Weatherford, L, R. 2001, *Decision Modeling with Microsoft Excel, 6th edn*, Prentice Hall, Upper Saddle River, N.J.

Subject Code	ISE512
Subject Title	Warehousing and Material Handling Systems
Credit Value	3
Level	5
Pre-requisite/Co-requisite/Exclusion	Nil
Objectives	This subject provides students with 1. a basic understanding of material handling facilities and the fundamental principles of material handling; 2. quantitative techniques for designing warehouse and material handling systems and an understanding of their limitations; 3. an understanding of safety issues and regulations in warehouse and material handling.
Intended Learning Outcomes	Upon completion of the subject, students will be able to a. select appropriate equipment for material handling and understand the basic roles of the different equipment; b. apply appropriate techniques for improving existing material handling systems; c. recognize the importance of safety issues in the areas of warehouse and material handling.
Subject Synopsis/ Indicative Syllabus	4. <u>Introduction to Basic Material Handling Equipment and Principles</u> Performance of physical work: conveyers, power trucks, cranes and hoists, robots, automated guided vehicles (AGVs), automated storage/retrieval systems. Assistance in material flow management: barcode systems, radio frequency identification (RFID), shelves, containers. Twenty principles of material handling from the College-Industry Council on Material Handling Education (CICMHE). 5. <u>Quantitative Techniques in Material Handling</u> Equipment selection: present value calculation, estimation of fixed and variable costs, calculation of the upper and lower bounds for equipment selection. Order picking and routing policies at warehouses. Warehouse layout design, methods of assigning dedicated storage. 6. <u>Material Transportation Optimization</u> AGV routing techniques. Behaviors of dynamic shortest paths with known events. Transportation and transshipment models. Vehicle-routing problems: traveling distance, customer demand, limited/unlimited capacity.

<table>
<tr><td></td><td>7. <u>Regulations and Safety Issues</u>

Health and safety aspects of warehouse and material handling systems. Types of legal liability and contributory negligence. Duty of care, breach of duty, causation and remoteness, damages, statutory duty, and employer liability.</td></tr>
<tr><td>Teaching/Learning Methodology</td><td>A mixture of lectures, tutorials, and laboratory exercises are used in this subject. External speakers may also be invited to convey practical knowledge to students. Group work such as mini-projects, laboratory work, or case studies in the related areas is employed to enhance students' problem-solving ability and team spirit. Tests and individual work assignments are designed to assess individual student performance.</td></tr>
<tr><td>Assessment Methods in Alignment with Intended Learning Outcomes</td><td>
<table>
<tr><td rowspan="2">Specific assessment methods/tasks</td><td rowspan="2">% weighting</td><td colspan="6">Intended subject learning outcomes to be assessed</td></tr>
<tr><td>a</td><td>b</td><td>c</td><td></td><td></td><td></td></tr>
<tr><td>1. Tests</td><td>50%</td><td>✓</td><td>✓</td><td>✓</td><td></td><td></td><td></td></tr>
<tr><td>2. Assignments</td><td>20%</td><td>✓</td><td>✓</td><td>✓</td><td></td><td></td><td></td></tr>
<tr><td>3. Laboratory exercises</td><td>30%</td><td>✓</td><td>✓</td><td></td><td></td><td></td><td></td></tr>
<tr><td>Total</td><td>100%</td><td colspan="6"></td></tr>
</table>
Laboratory exercises are designed to assess learning outcomes "a" and "b", and tests and assignments cover all of the intended outcomes of this subject.
</td></tr>
<tr><td>Student Study Effort Expected</td><td>
<table>
<tr><td>Class contact:</td><td></td></tr>
<tr><td>▪ Lectures/Seminars/Tutorials
3 hours/week for 10 weeks</td><td>30 Hrs.</td></tr>
<tr><td>▪ Laboratory work 3 hours/week for 2 weeks
plus 6 hours/week for 1 week</td><td>12 Hrs.</td></tr>
<tr><td>Other student study effort:</td><td></td></tr>
<tr><td>▪ Assignments</td><td>40 Hrs.</td></tr>
<tr><td>▪ Self-study/Preparation work</td><td>40 Hrs.</td></tr>
<tr><td>Total student study effort</td><td>122 Hrs.</td></tr>
</table>
</td></tr>
</table>

Reading List and References	Ronald GA and Charles RS 1993, *Modeling and Analysis of Manufacturing System*, New York, Wiley McCormik EJ and Sanders M 1992, *Human Factors in Engineering and Design*, New York, McGraw-Hill Sims RE 1992, *Material Handling Systems, In Handbook of Industrial Engineering*, 2nd edn, New York: John Wiley & Sons Francis RL, McGinnis L and White JA 1992, *Facility Layout and Location: An analytical Approach, Englewood Cliffs*, NJ, Prentice-Hall Muther R and Wheeler JD 1994, *Simplified Systematic Layout Planning*, Kansas City, MO, Management and Industrial Publication Stanks J 1994, *Management Systems for Safety*, Financial Times, Pitman Publishing Ridley J 1994, *Safety at work*, Butterworth Heinemann Ltd. Konz S 1990, *Work Design: Industrial Ergonomics*, New York, Wiley Alberto Garcia-diaz, J. Macgregor Smith 2007, *Facilities Planning and Design*, Prentice Hall Edward Frazelle 2004, *World-class Warehousing and Material Handling*, McGraw Hill Matthew P. Stephens, Fred E. Meyers 2009, *Manufacturing Facilities Design and Material Handling*, Prentice Hall

Subject Code	ISE527
Subject Title	Logistics Information Systems
Credit Value	3
Level	5
Pre-requisite/Co-requisite/Exclusion	Nil
Objectives	This subject provides students with the ability to 1. understand the theory, principles, and applications of logistics information systems (LISs); 2. describe the concepts of operations research for solving logistics optimisation problems; 3. identify the relationship between data warehousing and online analytical processing (OLAP) in logistics operations; 4. apply artificial intelligence techniques for distribution planning and logistics operation improvement.
Intended Learning Outcomes	Upon completion of the subject, students will be able to a. demonstrate their understanding of LISs and how such systems can be used in existing work situations to identify how the dispersed operations of a supply chain network can be configured; b. examine the concepts of data preprocessing and OLAP in logistics operations; c. apply the concepts of operations research to physical distribution planning and logistics operation improvement; d. select appropriate LISs to achieve logistics intelligence.
Subject Synopsis/ Indicative Syllabus	The syllabus includes the following topics 1. <u>Introduction to Logistics Information Systems</u> LIS concepts and architecture for knowledge discovery in databases. Issues related to the use of database management systems in data mining and operations carried out during data preprocessing. Relationships among data warehousing, OLAP, and data processing. 2. <u>Applications of Logistics Information Systems</u> Linear programming for optimisation and transportation carrier operations. Genetic algorithms and simulated annealing for distribution planning. Artificial intelligence techniques for logistics operations.

<table>
<tr><td></td><td>
3. <u>Strategies for Implementing Data Mining to Enhance Logistics Intelligence</u>
Articulating data mining problems with logistics problems or objectives. Handling the critical steps required for success in logistics knowledge discovery tasks. Evaluating logistics operations and enhancing the efficiency of logistics operations using suitable tools.
4. <u>Case Studies</u>
Application of logistics operation control systems; vehicle scheduling and routing.
</td></tr>
<tr><td>Teaching/Learning Methodology</td><td>A mixture of lectures, tutorial exercises, and laboratory exercises is used to deliver the various topics in this subject. Some material is covered using a problem-based format where this advances the learning objectives. Other material is covered through case studies to enhance students' "learning to learn" ability. Some case examples, largely based on consultancy experience, are used to integrate these topics and demonstrate to students how the various techniques are interrelated and applied in logistics operations.</td></tr>
<tr><td>Assessment Methods in Alignment with Intended Learning Outcomes</td><td>
<table>
<tr><td rowspan="2">Specific assessment methods/tasks</td><td rowspan="2">% weighting</td><td colspan="6">Intended subject learning outcomes to be assessed</td></tr>
<tr><td>a</td><td>b</td><td>c</td><td>d</td><td></td><td></td></tr>
<tr><td>1. Assignments</td><td>40%</td><td>✓</td><td>✓</td><td></td><td>✓</td><td></td><td></td></tr>
<tr><td>2. Lab exercises</td><td>10%</td><td>✓</td><td></td><td></td><td></td><td></td><td></td></tr>
<tr><td>3. Test</td><td>30%</td><td>✓</td><td></td><td></td><td>✓</td><td></td><td></td></tr>
<tr><td>4. Projects</td><td>20%</td><td></td><td></td><td>✓</td><td>✓</td><td></td><td></td></tr>
<tr><td>Total</td><td>100%</td><td colspan="6"></td></tr>
</table>
The assignments are designed to assess students' ability to apply their knowledge of LISs and OLAP.
The laboratory exercises are designed to assess students' understanding of LISs.
The projects involve case studies through which students' understanding of the working principles, design concepts, and selection of LISs can be assessed.
The test is designed to assess students' understanding of the topics and whether they can present the concepts clearly.
</td></tr>
</table>

Student Study Effort Expected	Class contact:	
	▪ Lectures 3 hours/week for 7 weeks	21 Hrs.
	▪ Tutorials 3 hours/week for 3 weeks	9 Hrs.
	▪ Laboratories 3 hours/week for 4 weeks	12 Hrs.
	Other student study effort:	
	▪ Assignment preparation	40 Hrs.
	▪ Presentation preparation and report writing	25 Hrs.
	▪ Test preparation	20 Hrs.
	Total student study effort	127 Hrs.
Reading List and References	1. Harrison, A. 2008, *Logistics Management and Strategy: competing Through the Supply Chain*, Harlow: Financial Times/Prentice Hall 2. *Logistics Management and Environmental Aspects: Special Innovative Conferences on Intelligent Transportation Systems and Telemetrics, Marketing, Vehicle Finance and Leasing. Croydon*, England: ISATA Düsseldorf Trade Fair, 1998 3. Dror, M. 2000, *Arc Routing: Theory, Solutions, and Applications*, Boston, MA: Kluwer Academic 4. Roiger, R. 2003, *Data Mining: A Tutorial-based Primer Boston*, Addison Wesley 5. *International Journal of Logistics: Research and Applications*, vol. 2 no. 3, Nov 1999.	

Subject Code	LGT5001
Subject Title	Organisational Management in Shipping & Logistics
Credit Value	3
Level	5
Normal Duration	1-semester
Pre-requisite / Co-requisite/ Exclusion	Nil
Role and Purposes	To provide students with a full understanding of the organisational and human resources management in the context of international shipping and logistics.
Subject Learning Outcomes	Upon completion of the subject, students will be able to: a. Demonstrate relevant professional knowledge and understanding of maritime and logistics organisations, the external environment in which they operate and how they are managed. b. Understand and respond to changes in global business environment with respect to the management issues of globalisation, organisational structure, cultural diversity, ethics and quality management in the context of international shipping and logistics. c. Analyse the inter-relationships among and the integration of these areas within the overall student learning experience.
Subject Synopsis/ Indicative Syllabus	Logistics organisation structures; Generic organisational choices for logistics; Development of an optimal logistics organisation; Organisational issues in an international shipping and logistics context. Developing strategic alliances, shipping alliances and consortia. International joint venture formation and licensing. Managing diversity in organisations; organisation culture; managing multi-cultural organisations in shipping and logistics; Management of global logistics. Organisational issues in managing logistics productivity and performance, Logistics quality process, Third-party logistics, Outsourcing. Regulating regimes in international shipping; Effects of OSRA 1998 and EU competition policy on international shipping. Management issues in e-commerce in relation to shipping and logistics. Human resources management in context, leadership and customer care.

<table>
<tr><td>Teaching/Learning Methodology</td><td>Lectures introduce and explain key theoretical risk-related concepts. Lectures are followed by class discussions where concepts are linked to real events in the industry through appropriate examples and their analysis.

Seminars are highly interactive and include discussions of current / past events, case studies, and student presentations. Students are expected to actively participate in the classes and to share their experience and learn from each other.</td></tr>
<tr><td>Assessment Methods in Alignment with Intended Learning Outcomes</td><td>
<table>
<tr><td rowspan="2">Specific assessment methods/tasks</td><td rowspan="2">% weighting</td><td colspan="6">Intended subject learning outcomes to be assessed</td></tr>
<tr><td>a</td><td>b</td><td>c</td><td></td><td></td><td></td></tr>
<tr><td>1. Coursework</td><td>50%</td><td></td><td></td><td></td><td></td><td></td><td></td></tr>
<tr><td>Mini-project</td><td>40%</td><td>✓</td><td>✓</td><td>✓</td><td></td><td></td><td></td></tr>
<tr><td>Presentation</td><td>10%</td><td>✓</td><td>✓</td><td>✓</td><td></td><td></td><td></td></tr>
<tr><td>2. Examination</td><td>50%</td><td>✓</td><td>✓</td><td>✓</td><td></td><td></td><td></td></tr>
<tr><td>Total</td><td>100 %</td><td colspan="6"></td></tr>
</table>

Explanation of the appropriateness of the assessment methods in assessing the intended learning outcomes:

Since the course focuses on the organizational management in shipping and logistics, case analysis and learning from practical, work-based experiences form an important constituent of student assessment. Coursework in the form of mini-project which targets some critical issues in organisational management in context will reinforce theoretical concepts learnt during the lectures and enable their applications in real-life operational situations. Presentation of student projects in the form of seminars will enhance students' communications skills and reinforce their concepts through two-way dialogue and discussions.

Final examination is an open-book examination that assesses student's in-depth understanding on the theoretical concepts of the subject and the ability to apply conceptual framework in real business case analysis.

Students would be given regular feedback on their performance, by email or as comments on assignments submitted. To pass this subject, students are required to obtain Grade D or above in BOTH the Continuous Assessment and Exam components.</td></tr>
</table>

Student Study Effort Expected	Class contact:	
	▪ Lectures	28 Hrs.
	▪ Seminars	14 Hrs.
	Other student study effort:	
	▪ Self study	42 Hrs.
	▪ Coursework	42 Hrs.
	Total student study effort	126 Hrs.
Reading List and References	.Rahim, M. Afzalur**,** Managing conflict in organizations**,** Transaction Publishers , 2011 , 4th ***Edition.*** Managing conflict, Boston, MA : Harvard Business School Press, c2007. Aba-Bulgu,M. and Sardar M.N. Islam, Corporate crisis and risk management : modelling, strategies and SME application. Oxford : Elsevier, 2007. **McLean, Hamish*,* Crisis command : strategies for managing corporate crises*,* ARK Group , 2009*.*** **Richard G. Human Resources, Renckly, Barron's Educational Series, 2011 , 3rd Edition.** Deresky, Helen (2008), International management : managing across borders and cultures : text and cases, Upper Saddle River, N.J. : Pearson Prentice Hall (6th edition). **Morschett, Dirk, Strategic international management text and cases,** Springer e-books, Gabler , 2009. Hogan-Garcia, Mikel (2007), The four skills of cultural diversity competence : a process for understanding and practice, Belmont, CA : Thomson Brooks/Cole. (3rd edition). Pozdnakova, Alla (2008), Liner shipping and EU competition law, Wolters Kluwer. Joint ventures, mergers and acquisitions, and capital flow, James B. Tobin and Lawrence R. Parker, editors. New York : Nova Science Publishers, 2009. ***Journals:*** Journal of Business Logistics Human Resources Journal International Journal of Physical distribution & Logistics International Journal of Production Economics Maritime Economics and Logistics Maritime Policy and Management	

Subject Code	LGT5002
Subject Title	International Logistics Systems, Operations and Management
Credit Value	3
Level	5
Normal Duration	1-semester
Exclusion	CSE564 Transportation and Logistics LGT5061 International Logistics Management
Role and Purposes	This subject aims to provide students with an understanding of the growing importance of international logistics systems, operations and management. To familiarize students with the fundamental knowledge and skills of international logistics and how they can be applied to help firms achieve cost and service advantages in the world's marketplace, by integrating the logistics concept into the business and applying appropriate methods for specific logistics management problems at different international contexts.
Subject Learning Outcomes	Upon completion of the subject, students will be able to: a. Identify and evaluate the elements of an international logistics system; b. Understand the relationships between international logistics systems, other important business functions, the international business environment, and the role of Hong Kong; c. Recognize the complexity of the elements in international logistics system and how they are related to organizational performance; d. Learn the current issues for the design and evaluation of an international logistics system; e. Understand how the elements of an international logistics system should be integrated and coordinated in the most cost effective manner; f. Study the issues for effective planning, control, and monitoring of logistics management in international context.

<table>
<tr><td>Subject Synopsis/ Indicative Syllabus</td><td>Concept of a logistics system; Logistics and competitiveness; Globalization and the world economy; Country differences in political economy; International logistics and the challenges for Hong Kong; International trade theories and practices; Political economy of international trade; Regional economic integration; Logistics information systems; Global identification standards and RFID adoption; Logistics customer services; Shipping markets and the roles of international shipping; Air cargo and intermodal freight transport; International purchasing and supply; Logistics and supply chain security issues; Warehousing management; Reverse logistics and the green supply chain; Customer and supplier relationships for international business; Trading terms and practices; Import/ export issues; Global strategy and logistics management; Quality management for logistics; Emerging issues on international logistics management.</td></tr>
<tr><td>Teaching/Learning Methodology</td><td>The learning outcomes are achieved through a participative approach where students are
Encouraged to think of real life examples and discuss their management implications with peers in the class and with the lecturer;
Required to learn from lectures, case analyses, article review, research papers, group discussion, and interactions with the lecturer and among themselves;
Instructed to review current international logistics related articles to enhance their understanding of international logistics systems, operations, and management.</td></tr>
<tr><td>Assessment Methods in Alignment with Intended Learning Outcomes</td><td>
<table>
<tr><td rowspan="2">Specific assessment methods/tasks</td><td rowspan="2">% weighting</td><td colspan="6">Intended subject learning outcomes to be assessed</td></tr>
<tr><td>a</td><td>b</td><td>c</td><td>d</td><td>e</td><td>f</td></tr>
<tr><td>1. Coursework</td><td>50 %</td><td>✓</td><td>✓</td><td>✓</td><td>✓</td><td>✓</td><td>✓</td></tr>
<tr><td>2. Examination</td><td>50 %</td><td>✓</td><td>✓</td><td>✓</td><td>✓</td><td>✓</td><td>✓</td></tr>
<tr><td>Total</td><td>100 %</td><td colspan="6"></td></tr>
</table>

Explanation of the appropriateness of the assessment methods in assessing the intended learning outcomes:

The objective of the three hours examination (50%) is for students to review all concepts covered in the course. There are four parts in coursework:

Article review presentation (10%) helps students to grasp the latest development in international logistics management and link the concepts and ideas covered in the course.</td></tr>
</table>

<table>
<tr><td></td><td colspan="2">Group review report (15%) helps students organize ideas from their article review presentation after receiving comments from the lecturer and peers. This report needs to be supplemented with examples and applications in the issue being analyzed. Students are also required to propose actions to tackle the identified problems and managerial insights for international logistics management.

Individual report (20%) requires students to write an essay summarizing key points from various class activities with the aim for evaluating student learning outcomes on individual basis.

Class attendance performance (5%) encourages student participation and contributions to various class activities.

To pass this subject, students are required to obtain Grade D or above in BOTH the Continuous Assessment and Exam components.</td></tr>
<tr><td rowspan="7">Student Study Effort Expected</td><td>Class contact:</td><td></td></tr>
<tr><td>▪ Lectures</td><td>28 Hrs.</td></tr>
<tr><td>▪ Seminars / Tutorials</td><td>14 Hrs.</td></tr>
<tr><td>Other student study effort:</td><td></td></tr>
<tr><td>▪ Preparation for coursework activities</td><td>42 Hrs.</td></tr>
<tr><td>▪ Self-study for course materials</td><td>42 Hrs.</td></tr>
<tr><td>Total student study effort</td><td>126 Hrs.</td></tr>
<tr><td>Reading List and References</td><td colspan="2">Recommended Textbooks

Hill, C. 2011. Global Business Today, 7th Edition, McGraw-Hill (ISBN 9780078137211)

Lai, K. H. and Cheng, T. C. E. (2009) Just-in-Time Logistics, Gower Publishing, UK. (ISBN 978-0-566-08900-8)

Lun, Y. H. V., Lai, K. H. and Cheng, T. C. E. (2009) Container Transport Management, Shipping and Transport Logistics Book Series, Inderscience, Geneva, Switzerland. (ISBN 0-907776-40-X)

Lun, Y. H. V. and Lai, K. H. (2010) Shipping and Logistics Management, Springer, UK. (ISBN-978-1-84882-996-1)</td></tr>
</table>

Subject Code	LGT5007
Subject Title	Shipping Economics and Markets
Credit Value	3
Level	5
Normal Duration	1-semester
Pre-requisite / Co-requisite/ Exclusion	Nil
Role and Purposes	To familiarise students with important concepts and principles in shipping economics; to provide students with practical and essential knowledge of shipping markets in an international business environment; to equip students' analytical skills in strategic decision-making; to demonstrate how various models and theories can be applied to specific shipping sectors.
Subject Learning Outcomes	Upon completion of the subject, students will be able to: a. Demonstrate knowledge and understanding of concepts and theories in shipping economics and markets. b. Demonstrate knowledge and understanding of the procedures and common problems in shipping management and daily shipping operation. c. Demonstrate abilities and skills in solving common problems encountered in shipping management.
Subject Synopsis/ Indicative Syllabus	A brief history of shipping industry; International trade: Theory and status; Demand and supply for shipping services; Shipping cycles; Current shipping market; Analyzing and predicting shipping market; Ship revenue management; Shipping market structure and organization; liner shipping economics; Conferences, consortia, pools and alliances; Ship investment analysis; Ship registration; Environmental issues in shipping.
Teaching/Learning Methodology	Lectures will be used for introducing the concept, and tutorials will be conducted for case studies and discussion.

<table>
<tr><td>Assessment Methods in Alignment with Intended Learning Outcomes</td><td>
<table>
<tr><td rowspan="2">Specific assessment methods/tasks</td><td rowspan="2">% weighting</td><td colspan="6">Intended subject learning outcomes to be assessed</td></tr>
<tr><td>a</td><td>b</td><td>c</td><td></td><td></td><td></td></tr>
<tr><td>1. Course work</td><td>50%</td><td>✓</td><td>✓</td><td>✓</td><td></td><td></td><td></td></tr>
<tr><td>2. Final exam</td><td>50%</td><td>✓</td><td>✓</td><td>✓</td><td></td><td></td><td></td></tr>
<tr><td>Total</td><td>100 %</td><td colspan="6"></td></tr>
</table>
To pass this subject, students are required to obtain Grade D or above in BOTH the Continuous Assessment and Exam components.
</td></tr>
<tr><td>Student Study Effort Expected</td><td>
<table>
<tr><td>Class contact:</td><td></td></tr>
<tr><td>▪ Lectures</td><td>28 Hrs.</td></tr>
<tr><td>▪ Tutorials</td><td>14 Hrs.</td></tr>
<tr><td>Other student study effort:</td><td></td></tr>
<tr><td>▪ Term project</td><td>84 Hrs.</td></tr>
<tr><td>Total student study effort</td><td>126 Hrs.</td></tr>
</table>
</td></tr>
<tr><td>Reading List and References</td><td>
References

Alderton, P.M. (2004) Sea Transport: Operation and Economics, Thomas Reed, East Molesey.

Berenson, M and Levine , M (2008) Basic Business Statistics: Concepts and Application, 11th Ed, Pearson

Branch, A.E. (2007) Elements of Shipping, 8th Ed., London; New York: Routledge.

Button, K. (2010) Transport Economics, 3rd Ed., Cheltenham: Edward Elgar.

Drewry Shipping Consultants (1994) Ship Costs in the 1990s: The Economics of Ship Operation and Ownership, Drewry Shipping Consultants, London.

Grammenos, CTH (2002): The Handbook of Maritime Economics and Business, London: LLP.

Gwilliam, K.M. (ed) (1993) Current Issues in Maritime Economics, Kluwer Academic Publishers, Dordrecht, The Netherlands.

McConville, J. (1999) Economics of Maritime Transport: Theory and Practice, Witherby, London.

Stopford, M. (2009) Maritime Economics, 2nd Ed., Routledge, London.

</td></tr>
</table>

Subject Code	LGT5010
Subject Title	Port Policy and Management
Credit Value	3
Level	5
Normal Duration	1-semester
Pre-requisite / Co-requisite/ Exclusion	Nil
Role and Purposes	It provides students with comprehensive knowledge on the nature of port, its evolution, development, and management. It also introduces students to the roles and functions of ports in the economic and transport infrastructure of a territory, as well as port competition and policy choices.
Subject Learning Outcomes	Upon completion of the subject, students will be able to: a. To provide the students with comprehensive understanding on port management and operations, port competition and policy choices. b. To provide students with the ability to analyze the implications of port policy and management.
Subject Synopsis/ Indicative Syllabus	Historical development of ports; geographical location; classification and characteristics; the economic and logistical role and functions of ports; Duties and powers of a port authority; port administration and structure (private vs. public sector ownership); port marketing and sales; port pricing and tariffs; port investment and financing; port management information systems; future development of ports in an era of increasing ship sizes; ports and the environment: ship-borne and cargo-borne pollution; the influence of ports on the marine ecosystem; port policies: port reform and governance; port co-operation and competition; port safety and security.
Teaching/Learning Methodology	Lectures will be used to present the basic theories and their application to the real world. General principles of the syllabus topic will be presented and developed during the lectures. There will also be seminar-type discussions where students will develop and apply the general principles of the topic in student-centred activities, including group discussions of cases, student presentations and discussions.

Assessment Methods in Alignment with Intended Learning Outcomes

Specific assessment methods/tasks	% weighting	Intended subject learning outcomes to be assessed					
		a	b				
1. Final Examination	50%	✓	✓				
2. Continuous Assessment	50%	✓	✓				
Total	100 %						

To pass this subject, students are required to obtain Grade D or above in BOTH the Continuous Assessment and Exam components.

Student Study Effort Expected

Class contact:	
▪ Lectures	28 Hrs.
▪ Seminars	14 Hrs.
Other student study effort:	
▪ Revisions	64 Hrs.
▪ Course project and presentation	20 Hrs.
Total student study effort	126 Hrs.

Reading List and References

Books:

Alderton, P. (2005): *Port Management and Operations*, 2nd edition, LLP, London.

Brooks, M.R. and Cullinane, K. (Eds.) (2007): *Devolution, Port Governance and Port Performance*, Elsevier, London.

Cullinane, K. and Talley, W.K. (Eds.) (2006): *Port Economics*, Elsevier, London.

Frankel, E.G. (1987): *Port Planning and Development*, John Wiley & Sons, New York.

Song, D.W. and Cullinane, K. (Eds.) (2007): *Asian Container Ports*, Palgrave Macmillan, New York.

Talley, W.K. (Ed.) (2008): *Maritime Safety, Security and Piracy*, LLP, London.

Wang, J., Olivier, D., Notteboom, T. and Slack, B. (Eds.) (2007): *Ports, Cities, and Global Supply Chains*, Ashgate, Aldershot.

	Journals : Environment and Planning A Journal of Transport Geography Maritime Economics and Logistics (formerly International Journal of Maritime Economics) Maritime Policy and Management Research in Transportation Economics

Subject Code	LGT5011
Subject Title	Admiralty Law
Credit Value	3
Level	5
Normal Duration	1-semester
Pre-requisite / Co-requisite/ Exclusion	Nil
Role and Purposes	To provide students with a practical and essential legal knowledge relating to the management and operation of a ship; to help the students to familiarize the relevant international legal practice relate to admiralty law, coverage will include jurisdictions of major admiralty nations, such as UK, Hong Kong, and mainland China.
Subject Learning Outcomes	Upon completion of the subject, students will be able to gain: a. A basic understanding of the essential legal principles and theories relate to admiralty law b. An ability to evaluate various options in solving legal disputes relate to shipping business. c. A capability to spot legal issues relate to admiralty disputes. d. A skill in claims management and other forms of dispute resolutions, such as expert determination or maritime arbitration.
Subject Synopsis/ Indicative Syllabus	▪ Ownership: registration, nationality, flag, open registries ▪ Ship sale and building contracts: sale forms and law, judicial sale, shipbuilding, mortgage ▪ Claims management: Maritime arbitration, expert determination, New York Convention ▪ Pilotage: compulsory/voluntary pilotage; authority and liability ▪ Collision: collision regulations, measurement of damages, allocation of liability, conventions ▪ Pollution: CLC 1992, Fund convention 1992, MARPOL ▪ Salvage and wreckage: Lloyd's Open Forms, salvage convention, wreckage ▪ General average: common law and York-Antwerp Rules ▪ Limitation of shipowners liability: convention on limitation of liability ▪ Admiralty Jurisdiction: maritime jurisdiction, action *in rem*, ship arrest

<table>
<tr><td>Teaching/Learning Methodology</td><td>The teaching method will be focused on case analysis. In each class, the lecturer will introduce the students the essential cases concerning various admiralty law topics. From the case discussion, the students will gain an understanding about the underlying admiralty legal principles and theories. During the tutorials, the students will engage in class exercises by spotting the legal issues from hypothetical cases, and the tutor will give constructive feedbacks to guide the students in analyzing the exercise. Both the lectures and the tutorials will be aimed to help the students in attending the intended learning outcomes of the subject.</td></tr>
<tr><td>Assessment Methods in Alignment with Intended Learning Outcomes</td><td>
<table>
<tr><td rowspan="2">Specific assessment methods/tasks</td><td rowspan="2">% weighting</td><td colspan="6">Intended subject learning outcomes to be assessed</td></tr>
<tr><td>a</td><td>b</td><td>c</td><td>d</td><td></td><td></td></tr>
<tr><td>1. Coursework</td><td>50 %</td><td>✓</td><td>✓</td><td>✓</td><td></td><td></td><td></td></tr>
<tr><td>2. Examination</td><td>50 %</td><td>✓</td><td>✓</td><td>✓</td><td>✓</td><td></td><td></td></tr>
<tr><td>Total</td><td>100 %</td><td colspan="6"></td></tr>
</table>
To pass this subject, students are required to obtain Grade D or above in BOTH the Continuous Assessment and Exam components.</td></tr>
<tr><td>Student Study Effort Expected</td><td>
<table>
<tr><td>Class contact:</td><td></td></tr>
<tr><td>▪ Lectures</td><td>28 Hrs.</td></tr>
<tr><td>▪ Seminars / Tutorials</td><td>14 Hrs.</td></tr>
<tr><td>Non-class contact:</td><td></td></tr>
<tr><td>▪ Class preparation & after class review</td><td>84 Hrs.</td></tr>
<tr><td>TOTAL STUDY EFFORT</td><td>126 Hrs.</td></tr>
</table>
</td></tr>
<tr><td>Reading List and References</td><td>References
Thomas J. Schoenbaum (2004), Admiralty and Maritime Law, St. Paul, Minn: Thomson/West

Loyola Maritime Law Journal [available in electronic resource of HKPolyU Library]

Tulane Maritime Law Journal [available in electronic resource of HKPolyU Library]

University of San Francisco Maritime Law Journal [available in electronic resource of HKPolyU Library]</td></tr>
</table>

Subject Code	LGT5012
Subject Title	Law and Practice in Marine Insurance
Credit Value	3
Level	5
Normal Duration	1-semester
Pre-requisite / Co-requisite/ Exclusion	Nil
Role and Purposes	To facilitate learning of the principles and law of marine insurance through covering the law on insurance mainly with a maritime subject matter, and to develop the knowledge and skills of students in respect of theoretical and practical alternatives in controlling insurable risks in the transport logistics industry.
Subject Learning Outcomes	Upon completion of the subject, students will be able to: a. Appreciate the operations of the insurance industry in Hong Kong and London. b. Apply principles and law of marine insurance in Hong Kong. c. Analyse legal cases and interpret legislations and legal documents. d. Develop the ability to solve real legal issues by applying the legal method and conducting legal research.
Subject Synopsis/ Indicative Syllabus	Brief review of Marine Insurance Ordinance of Hong Kong; Structure of insurance market, operation of insurance and insurance company; Alternatives in insurance markets: cargo insurance, hull and machinery insurance, liability insurance, reinsurance, P&I insurance, double and under insurance; Risk assessment and underwriting principles: insurable interest and assignment, good faith, warranties, subrogation and etc; Insurance brokers and other Intermediaries.
Teaching/Learning Methodology	The lectures cover the basic concepts and theories. Tutorial sessions allow students to discuss the lectures and present the applications of principles and law of marine insurance in smaller groups.

Assessment Methods in Alignment with Intended Learning Outcomes

Specific assessment methods/tasks	% weighting	Intended subject learning outcomes to be assessed					
		a	b	c	d		
Coursework	50%						
Individual assignment	25%		✓	✓	✓		
Group assignment	25%	✓	✓	✓	✓		
Final Examination	50%	✓	✓	✓	✓		
Total	100 %						

To pass this subject, students are required to obtain Grade D or above in BOTH the Continuous Assessment and Exam components.

Student Study Effort Expected

Class contact:	
▪ Lectures	28 Hrs.
▪ Tutorials	14 Hrs.
Other student study effort:	
▪ Individual assignment	18 Hrs.
▪ Group assignment	10 Hrs.
▪ Self study	56 Hrs.
Total student study effort	126 Hrs.

Reading List and References	Bennett, Howard (2006), The Law of Marine Insurance: Oxford. Brown and Reed (1981), Marine Reinsurance, 1st ed., London: Witherby. Kenneth, Goodacre J (1996), Marine Insurance Claims, 3rd ed, London: Witherby. Goo, S.H. (gen. ed.) (2003), Insurance Law and Practice in Hong Kong: Hong Kong, Sweet & Maxwell. Hodges, Susan (1996), Law of Marine Insurance, London: Cavendish Pub. Ltd. Ivamy, E.R. (1979), Marine Insurance, 3rd ed., London: Butterworths. Ivamy, E.R. (1982), Marine Insurance: Supplement, 3rd ed., London: Butterworths. Rose, F.D. (2004), Marine Insurance: Law and Practice, LLP. Soyer, Baris (2004), Marine insurance; [London] : Informa UK Ltd.. Shaw, Gordon W (1995), The Lloyd's Broker, London: Hong Kong: Lloyd's of London Press. Lloyd's (Fire)(1992), The Lloyd's Market, England: Lloyd's. Marine Insurance: Issues, Practices and Costs (1998), London: Drewry. ***Journals and others:*** Lloyd's List (on-line), London: LLP; P & I International, London: LLP

Subject Code	LGT5013
Subject Title	Transport Logistics in China
Credit Value	3
Level	5
Normal Duration	1-semester
Pre-requisite	Students are expected to understand Putonghua and to read simplified Chinese Characters.
Role and Purposes	To provide within an operational and business environment: an advanced understanding of the market demand and supply, as well as principles and complexities of the freight industry in China; the advanced skills necessary to implement various mode of freight transport management within a logistics company environment; proactive skills to achieve and sustain advantage in a rapidly changing business/freight operational environment in China.
Subject Learning Outcomes	Upon completion of the subject, students will be able to: a. Analyse macro economical and industrial situation of transport logistics in China with updated facts and numbers. b. Describe the modes of logistics operation of road, water, air, and rail in China. c. Gain strategic insight on how to develop logistics business within China, with deep-dive analysis into rapid developing sectors. d. Examine the Chinese policy in domestics and international trade and transport and the economic relationship between China and Hong Kong. e. Apply the Chinese transport and customs law. f. Develop the ability to assess and evaluate the different logistics environments in China and Hong Kong.
Subject Synopsis/ Indicative Syllabus	▪ Organisational and Principal Characteristics of Transport Logistics in China: Logistics operation of Air Transport; Logistics operation of Sea/ Inland waterway Transport; Logistics operation of Rail Transport; Logistics operation of Road Transport; ▪ Overview of China Trade and its impact on logistics; Commercial Transport Policy; Human Resource Management in China; Trading practice and related government organisations in China; Hong Kong/China co-operation; Future developments in China Trade.

<table>
<tr><td></td><td>

Customs ordinances and trade regulations; Legal framework for transport and logistics in China;
Transport Economics. Demand and supply for freight transportation services, market structure and organization, government intervention, as well as strategic infrastructure investment in different Chinese transport sectors (air, rail, road, and sea/inland waterway).

</td></tr>
<tr><td>Teaching/Learning Methodology</td><td>Lectures introduce and explain key concepts and key sectors with case analysis. Lectures are followed by class discussions where concepts are linked to real events in the industry through appropriate examples and their analysis.

Seminars are highly interactive and include discussions of current / past events, case studies, and student presentations. Students are expected to actively participate in the classes and to share their experience and learn from each other.</td></tr>
<tr><td>Assessment Methods in Alignment with Intended Learning Outcomes</td><td>
<table>
<tr><td rowspan="2">Specific assessment methods/tasks</td><td rowspan="2">% weighting</td><td colspan="6">Intended subject learning outcomes to be assessed</td></tr>
<tr><td>a</td><td>b</td><td>c</td><td>d</td><td></td><td></td></tr>
<tr><td>1.Coursework
Assignment/ case analysis</td><td>50%</td><td>✓</td><td>✓</td><td>✓</td><td>✓</td><td></td><td></td></tr>
<tr><td>2. Examination</td><td>50%</td><td>✓</td><td>✓</td><td>✓</td><td>✓</td><td></td><td></td></tr>
<tr><td>Total</td><td>100 %</td><td colspan="6"></td></tr>
</table>

Explanation of the appropriateness of the assessment methods in assessing the intended learning outcomes:

Since the course focuses on transport logistics in China, case analysis and learning from practical, work-based experiences forms an important constituent of student assessment. Further, assignments and case analysis reinforce theoretical concepts learnt during the lectures and enable their applications in real-life operational situations. Final examination that assesses student's familiarity with theoretical concepts and the ability to apply conceptual framework in case analysis.
Students would be given regular feedback on their performance, by email or as comments on assignments submitted.

To pass this subject, students are required to obtain Grade D or above in BOTH the Continuous Assessment and Exam components.
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</table>

Subject Code	LGT5014
Subject Title	Air Transport Logistics and Management
Credit Value	3
Level	5
Normal Duration	1-semester
Pre-requisite / Co-requisite/ Exclusion	Nil
Role and Purposes	To provide students with an insight and understanding of the key issues and decisions involved in the logistics operation and management of air transport in a rapidly changing regulatory environment. To provide students with an understanding of the dynamic nature of the airline industry. Students will gain knowledge of the external forces (economic, geographic, demographic, legal, political, environmental and technological), and the internal forces (micro-economic, competitive, operational and organisational) in the market. In addition, this course will help students to develop skills for applying various applied economics and management knowledge to the air transport and logistics industry**.**
Subject Learning Outcomes	**Upon** completion of the subject, students will be able to: a. Contribute to the solution of business related problems in the aviation industry for commercial, industrial, government and non-profit making organisations; b. To analyse real market data and forecast the trend in different air transport and logistics markets. c. Appreciate the air transport and logistics discipline which provides a good academic and vocational foundation for a career in students' field; d. Understand the basic principles of revenue management, total factor productivity analysis and various demand forecast models;
Subject Synopsis/ Indicative Syllabus	Current issues and future problems in air transport. The scheduled airline industry. Nature and determinants of airline demand. The changing regulatory environment for air transport. The air cargo industries. Air freight forwarding. The economics of air cargo. Intermodal issues for the air transport industry. Air logistics management. Airline Alliances - threats and opportunities for air cargo. Low cost airlines. Yield management in air transport.

<table>
<tr><td>Teaching/Learning Methodology</td><td>Lectures will be used to present the theoretical foundations and how alternative skills can be applied to particular cases. Mini cases shall be used to give the students an updated view on the industry practices. Students are required to use the knowledge and methodology learned in this course to conduct projects which are related to some important issues in the aviation industry.</td></tr>
<tr><td>Assessment Methods in Alignment with Intended Learning Outcomes</td><td>
<table>
<tr><td rowspan="2">Specific assessment methods/tasks</td><td rowspan="2">% weighting</td><td colspan="6">Intended subject learning outcomes to be assessed</td></tr>
<tr><td>a</td><td>b</td><td>c</td><td>d</td><td></td><td></td></tr>
<tr><td>1. Coursework</td><td>50%</td><td>✓</td><td>✓</td><td>✓</td><td></td><td></td><td></td></tr>
<tr><td>2. Final Exam</td><td>50%</td><td>✓</td><td>✓</td><td></td><td>✓</td><td></td><td></td></tr>
<tr><td>Total</td><td>100 %</td><td colspan="6"></td></tr>
</table>

Explanation of the appropriateness of the assessment methods in assessing the intended learning outcomes:

The coursework includes writing a project report (40%) and a group project presentation (10%). Students are required to apply some basic analytical methods and knowledge learned in this course to their project study. Examination is mainly used to test students' knowledge on economic models and calculation.

To pass this subject, students are required to obtain Grade D or above in BOTH the Continuous Assessment and Exam components.</td></tr>
<tr><td>Student Study Effort Expected</td><td>
<table>
<tr><td>Class contact:</td><td></td></tr>
<tr><td>▪ Lectures</td><td>42 Hrs.</td></tr>
<tr><td>Other student study effort:</td><td></td></tr>
<tr><td>▪ Team Project</td><td>42 Hrs.</td></tr>
<tr><td>▪ Reading</td><td>42 Hrs.</td></tr>
<tr><td>Total student study effort</td><td>126 Hrs.</td></tr>
</table>
</td></tr>
</table>

Reading List and References	Doganis, R (2002) *Flying Off Course: The Economics of International Airlines*, Routledge. Bijan Vasigh, Ken Fleming and Thomas Tacker (2008), *Introduction to Air Transport Economics*. Ashgate Kenneth Button and Roger Stough (2000), *Air transport networks : theory and policy implications,* Cheltenham, Northampton, Mass. : Edward Elgar Pub. Bijan Vasigh, Ken Fleming and Liam Mackay (2010), *Foundations of Airline Finance*. Ashgate Oum, T, and Yu, C. (1998) *Winning Airlines: Productivity and cost competitiveness of the world's major airlines*, Kluwer Academic, Boston. Oum, T.H., J. H. Park and A. Zhang (2000), *Globalization and Strategic Alliances: The Case of the Airline Industry,* Pergamon for Elsevier Science. Wells, A (2004) *Air Transportation : A Management Perspective*, Wadsworth, California, 5th edition. Richard de Neufville and Amedeo Odoni (2003), *Airport Systems: Planning, Design, and Management,* McGraw-Hill. ***Journals*** Air Cargo News Airline Business Aviation Strategy Flight International Aviation Economics Journal of Air Transport Management Journal of Air Transport World Wide

Subject Code	LGT5015
Subject Title	Supply Chain Management
Credit Value	3
Level	5
Normal Duration	1-semester
Pre-requisite / Co-requisite/ Exclusion	Nil
Role and Purposes	This course discusses the concepts, theory, models, tools, and the best practices of modern product supply chain management to help students: ▪ understand the strategic importance of SCM in improving a firm's competitive position in the marketplace; ▪ understand the key characteristics of successful supply chains and how they differ from the traditional approaches; ▪ gain insights into issues involved in the design, planning, and deployment of a supply chain; ▪ understand the impact of SCM principle on a firm's overall strategy, in particular, the impact on a firm's marketing strategy; ▪ understand the importance of information technologies in the integration of supply chains; ▪ develop fundamental skills for analyzing and managing a supply chain in an organization.
Subject Learning Outcomes	Upon completion of the subject, students will be able to: a. evaluate the impact of supply chain and logistics activities on the financial performance of a firm b. identify and assess the inter-actions of inventory, time, information, and financial factors in a supply chain context c. recognize and understand some basic modelling approaches for supply chain design and optimization d. recognize and understand the importance of the multi-organizational nature of supply chain management e. recognize and understand some key issues in supply chain management and the possible approaches that can be used to tackle these issues

<table>
<tr><td>Subject Synopsis/ Indicative Syllabus</td><td>

Logistics, supply chain, and competitive advantages
The role of inventory in supply chains and basic methodologies for inventory management
Uncertainty and risk, and how to deal with them through good inventory management approaches
Value of information and information sharing in supply chains
Distribution strategies
Supply chain coordination and strategic alliance
Procurement and outsourcing
Supply chain integration

</td></tr>
<tr><td>Teaching/Learning Methodology</td><td>
Lectures to introduce concepts, theories, management issues, and methodologies.

Case study and group discussion: make connections of the contents from the lectures with real business practices so as to deepen the understanding of the concepts, theories, and issues of supply chain management.

In-class exercises and take-home assignments: help students to grasp some of the key methodologies and tools; practice some basic analysis skills and access their understanding of some basic concepts and analysis skills.

Group project to help students to recognize the key management issues in a complex real business context and develop systematic approaches and solutions to resolve the management problem .
</td></tr>
<tr><td>Assessment Methods in Alignment with Intended Learning Outcomes</td><td>
<table>
<tr><td rowspan="2">Specific assessment methods/tasks</td><td rowspan="2">% weighting</td><td colspan="6">Intended subject learning outcomes to be assessed</td></tr>
<tr><td>a</td><td>b</td><td>c</td><td>d</td><td>e</td><td></td></tr>
<tr><td>1. Coursework*</td><td>60 %</td><td>✓</td><td>✓</td><td>✓</td><td>✓</td><td>✓</td><td></td></tr>
<tr><td>2. Examination</td><td>40 %</td><td>✓</td><td>✓</td><td>✓</td><td></td><td>✓</td><td></td></tr>
<tr><td>Total</td><td>100 %</td><td colspan="6"></td></tr>
</table>
*Coursework may include case studies, group projects, and individual assignments

To pass this subject, students are required to obtain Grade D or above in BOTH the Continuous Assessment and Exam components.
</td></tr>
</table>

Student Study Effort Expected	Class contact:	
	▪ Lectures	28 Hrs.
	▪ Seminars/Tutorials/Exercises	14 Hrs.
	Other student study effort:	
	▪ Group discussions	12 Hrs.
	▪ Projects	42 Hrs.
	▪ Reading and homework	30 Hrs.
	Total student study effort	126 Hrs.
Reading List and References	Simchi-Levi, Kaminsky and Simchi-Levi, *Designing and Managing the Supply Chain: Concepts, Strategies and Case Studies*, 3rd Edition, McGraw-Hill, 2007. Martin Christopher, *Logistics and Supply Chain Management*, 3rd Edition, Prentice Hall, 2005. Handout reading materials	

Subject Code	LGT5017
Subject Title	Maritime Logistics
Credit Value	3
Level	5
Normal Duration	1-semester
Pre-requisite / Co-requisite/ Exclusion	Nil
Role and Purposes	The aim of this unit is to provide students with a full understanding of current developments in maritime transport logistics, and to enable them to identify and solve problems related to maritime transport logistics in the context of international shipping.
Subject Learning Outcomes	Upon completion of the subject, students will be able to: a. Demonstrate relevant professional knowledge and understanding of maritime logistics, the international maritime environment in which they operate and how they are managed. b. Understand and respond to current developments of the relevant political, economical, social and technological issues and their influences on the operations and management of maritime logistics. c. Analyse and integrate the inter-relationships among the various components of subject matters in shipping logistics for effective problem solving.
Subject Synopsis/ Indicative Syllabus	International seaborne trade. Maritime transportation and cargoes. Dry bulk and liquid bulk commodity logistics and services. LNG tankers and business. Maritime transport terminals design and operations. Port and carrier selection. Third party shipping management. Materials handling and packaging for maritime transport. Environmental issues and international regulations on environmental protection in maritime logistics. Regulating regimes in international shipping. Issues in liner shipping. Transhipment hub, logistical networks and feeder concepts. Logistics of empty containers. Management of multimodal transport. Technologies in maritime logistics. Customs and excise. Maritime security issues and technology.

<table>
<tr><td>Teaching/Learning Methodology</td><td>Lectures introduce and explain key theoretical risk-related concepts. Lectures are followed by class discussions where concepts are linked to real events in the industry through appropriate examples and their analysis.

Seminars are highly interactive and include discussions of current / past events, case studies, and student presentations. Students are expected to actively participate in the classes and to share their experience and learn from each other.</td></tr>
<tr><td>Assessment Methods in Alignment with Intended Learning Outcomes</td><td>
<table>
<tr><td rowspan="2">Specific assessment methods/tasks</td><td rowspan="2">% weighting</td><td colspan="6">Intended subject learning outcomes to be assessed</td></tr>
<tr><td>a</td><td>b</td><td>c</td><td></td><td></td><td></td></tr>
<tr><td>1.Coursework
▪ Mini-project
▪ Presentation</td><td>50%
40%
10%</td><td>
✓
✓</td><td>
✓
✓</td><td>
✓
✓</td><td></td><td></td><td></td></tr>
<tr><td>2. Examination</td><td>50%</td><td>✓</td><td>✓</td><td>✓</td><td></td><td></td><td></td></tr>
<tr><td>Total</td><td>100 %</td><td colspan="6"></td></tr>
</table>

Explanation of the appropriateness of the assessment methods in assessing the intended learning outcomes:

Since the course focuses on the maritime logistics, case analysis and learning from practical, work-based experiences form an important constituent of student assessment. Coursework in the form of mini-project which targets some critical issues in the management of maritime logistics in context will reinforce theoretical concepts learnt during the lectures and enable their applications in real-life operational situations. Presentation of student projects in the form of seminars will enhance students' communications skills and reinforce their concepts through two-way dialogue and discussions.

Final examination is an open-book examination that assesses student's in-depth understanding on the theoretical concepts of the subject and the ability to apply conceptual framework in real business case analysis.

Students would be given regular feedback on their performance, by email or as comments on assignments submitted.

To pass this subject, students are required to obtain Grade D or above in BOTH the Continuous Assessment and Exam components.</td></tr>
</table>

Student Study Effort Expected	Class contact:	
	▪ Lectures	28 Hrs.
	▪ Seminars	14 Hrs.
	Other student study effort:	
	▪ Self study	42 Hrs.
	▪ Coursework	42 Hrs.
	Total student study effort	126 Hrs.
Reading List and References	Brodie, Peter (2006) Commercial Shipping Handbook. LLP Container terminals and automated transport systems : logistics control issues and quantitative decision support / Hans-Otto Günther, Kap Hwan Kim, editors. Berlin : Springer-Verlag, 2005. Meisel, Frank, Seaside operations planning in container terminals, Springer e-books, Physica-Verlag , 2009. International handbook of maritime economics, Edward Elgar , 2011. Stopford, Martin (2009) Maritime Economics , Abingdon ; New York : Routledge, House, D.J., Cargo work for maritime operations; Oxford ; Boston : Elsevier/Butterworth-Heinemann, 2005; 7th ed. Swadi, Dhananjay, Cargo notes, Witherby Seamanship International Ltd., 2009 , 2nd Edition. McNicholas, Michael (2008), Maritime security : an introduction. Burlington, Mass.: Butterworth-Heinemann. Lloyd's MIU handbook of maritime security**,** CRC Press ; Lloyd's MIU , 2009**.** Pozdnakova, Alla (2008), Liner shipping and EU competition law, Wolters Kluwer. LNG operational practice. Seamanship Intl. Ltd., 2006. LNG operations in port areas: recommendations for management of operational risk attaching to liquefied gas tanker and terminal operations in port areas. London : Witherby, c2003 The Drewry annual LNG shipping market review and forecast 2010 [electronic resource] London : Drewry Shipping Consultants Ltd., 2010.	

	MARPOL 73/78 : articles, protocols, annexes, unified interpretations of the International Convention for the Prevention of Pollution from Ships, 1973, as modified by the Protocol of 1978 relating thereto. London : IMO, 2002. Clean seas complying with MARPOL 73/78 MARPOL Annex I : prevention of pollution by oil**,** IDESS Interactive Technologies IDESS IT Inc. , 2010**.**Handbook of container shipping management, Vol.2: management issues in container shipping, Editors: Christel Heideloff, Thomas Pawlik, Bremen 2008. ***Journals*** Maritime Economics and Logistics Journal. Fairplay- The International Shipping Weekly. Maritime Policy and Management.

Subject Code	LGT5032
Subject Title	Strategic Procurement Management
Credit Value	3
Level	5
Normal Duration	1-semester
Pre-requisite / Co-requisite/ Exclusion	None
Role and Purposes	To ensure that students fully comprehend how procurement and supply as a key strategic business competence can impact directly on the competitive position and operational efficiency of organisations. To enable students to understand the wider economic drivers on business and the importance of the structures of the supply and value chains in which the organisation operates and the power regimes that determine the strategic options available to them. To establish awareness of a range of perspectives of strategic procurement management, and the importance of managers having knowledge of the range of tools available for strategic analysis and decision-making and supply chain circumstances, and the ability to understand the most appropriate tools to use in certain contingent circumstances.
Subject Learning Outcomes	Upon completion of the subject, students will be able to: a. Develop procurement and supply as a key strategic business competence in an organisation. b. Understand and manipulate the economic drivers in the supply and value chain for the benefits of an organisation. c. Apply appropriate strategic procurement tools in contingent circumstances.

Subject Synopsis/ Indicative Syllabus	Explore ways of thinking about procurement and supply chain management from a strategic perspective and the linkages among business strategy, procurement, and supply competence. Consider theories of the firm including transaction costs, asset specificity, organisational competence, business and supply management, and identify the economic drivers of business success. Examine the concepts of power and leverage and how they contribute to effective strategic and operational management of supply chains through understanding the unique structures of supply chains and the power structures embedded in them. Study the contractual and relational governances for managing buyer-supplier relationships as well as the cultural issues involved. Critically look at the methodological strengths and weaknesses in established strategic business and supply chain thinking. Identify the opportunities available to firms and public bodies, through flexible strategies, to reduce costs and add value and quality improvements to existing business processes. Consider a wide range of strategic and operational procurement and supply chain tools and techniques and understand their appropriate applications in contingent circumstances of particular supply and value chains and power regimes.
Teaching/Learning Methodology	**Teaching and Learning Methods**: The above course objectives will be achieved through a participative approach. Students are expected to assume a very active role in the learning process and the role of the lecturer will be one of a facilitator. Specifically, students are: 1) encouraged to think of real life examples and discuss their management implications with peers in the class and with the lecturer; 2) expected to learn from lectures, group discussions, case studies, and interactions with the lecturer and among themselves; 3) required to review current supply management related articles to enhance their understanding of the strategic procurement management; 4) given case studies to understand the important concepts and topic areas covered in the course. At the end of the course, students are expected to have a clearer understanding of how strategic procurement actually works. The teaching method will be a combination of lecture and class discussion. Lectures will be delivered to introduce students into the foundation of “Strategic Procurement Management” and an analytical framework for the subject. Class discussion will be used as a vehicle to exchange experiences and ideas in the subject matters. Assigned readings and analytical case studies will be used to consolidate and develop the students’ knowledge, skills, and desire in the subject.

Assessment Methods in Alignment with Intended Learning Outcomes

Specific assessment methods/tasks	% weighting	Intended subject learning outcomes to be assessed					
		a	b	c			
1. Course Work	50 %	✓	✓	✓			
2. Examination	50 %	✓	✓	✓			
Total	100 %						

Explanation of the appropriateness of the assessment methods in assessing the intended learning outcomes:

Assessment: The assessment will be based on two components:

a) A three-hour examination will contribute to a weight of 50% in the course. The objective of the examination is for students to review all concepts covered in the course one last time.

b) Team project presentation (25%), individual assignment (20%) and class performance (5%) will in total contribute to a weight of the remaining 50% in the course.

Guidelines to Team Project Presentation: The objective of the team project presentation is to help students organize and apply the ideas and concepts learnt from the course in real life settings.
The class is to be divided into teams of 3-7 students in each team. All members in the team are expected to be present in their presentation week for assessment purpose. The week of presentation will be informed to students on or before the 3rd lecture of the new semester. Team ***projects are due for submission one week on or before the presentation week.***
If any individual has not contributed for the team works, s(he) should not append his/her name to the project presentation and report, but submit a separate report on their own. It will also be the team's responsibility to ensure that this happens. Each team member must contribute to the analysis leading to the assessed works in the course.

To pass this subject, students are required to obtain Grade D or above in BOTH the Continuous Assessment and Exam components.

Student Study Effort Expected	Class contact:	
	▪ Lectures	28 Hrs.
	▪ Tutorials	14 Hrs.
	Other student study effort:	
	▪ Revision, doing exercises and cases	84 Hrs.
	Total student study effort	126 Hrs.
Reading List and References	van Weele, A.J. (the latest edition), *Purchasing and Supply Chain Management*, Cengage Learning. Burt, D.N., Dobler, D.W., and Starling, S.L. (the latest edition) *World Class Supply Management: The Key to Supply Chain Management*, McGraw Hill. Cousins, P., Lamming, R., Lawson, B., and Squire, B. (the latest edition), *Strategic Supply Management: Principles, Theories and Practices,* Prentice Hall/ Financial Times, Harlow, England. Cox, A., Sanderson, J. and Watson, G. (the latest edition), *Power Regimes: Mapping the DNA of Business and Supply Chain Relationships*, Earlsgate Press. Erridge, A., Fee, R. and McIlroy, J. (Eds.) (the latest edition), *Best Practice Procurement: Public And Private Sector Perspectives*, Gower. Lamming, R. and Cox, A. (the latest edition), *Strategic Procurement Management*, Earlsgate Press. Luo, Y. (the latest edition) Guanxi and Business, World Scientific, Singapore. Porter, M. (the latest edition), *Competitive Advantage*, Free Press. Saunders, M. (the latest edition), *Strategic Purchasing and Supply Chain Management*, Prentice Hall.	

Subject Code	LGT5037
Subject Title	Project Management
Credit Value	3
Level	5
Normal Duration	1-semester
Pre-requisite / Co-requisite/ Exclusion	Nil
Role and Purposes	To provide the students a comprehensive overview and the fundamental concepts of project management, and an understanding on how project management can be used as a strategic tool to deliver business performance for organizations. To provide the students key components of project management, and practical methodologies in managing projects of different natures.
Subject Learning Outcomes	Upon completion of the subject, students will be able to: a. Obtain the fundamental principles, concepts and techniques in project management. b. Understand modern project management trend and methods. c. Apply project management methodologies and techniques in enhancing business performance for organizations. d. Manage projects of different natures with sound judgment and skills.
Subject Synopsis/ Indicative Syllabus	Modern project management and trends; project teams and organizational relationship; effective project communication; stakeholder analysis; project selection; project portfolio evaluation; definition and characteristics of a project; project success criteria; project management trade off; project charter; project life cycle; project plan; project scheduling; project budgeting; monitoring and progress control; risk management; project network; Work Breakdown Structure (WBS); PERT and Gantt charts; critical path analysis techniques (CPM); theory of constraint and critical chain method; resource management; cost management; contract management; project management software tools; change management; performance measurement; project closeout and project audit; management information and reporting; multiple project management.
Teaching/Learning Methodology	Lectures are designed to provide a basic grounding in principles, concepts and techniques in project management. Tutorials provide the environment and means for student-centered learning, in the form of class discussions, case analyses, problem exercises and experience sharing.

Assessment Methods in Alignment with Intended Learning Outcomes

Specific assessment methods/tasks	% weighting	Intended subject learning outcomes to be assessed					
		a	b	c	d	e	
1.Continous assessment	50%	✓	✓	✓	✓		
2. Final examination	50%	✓	✓	✓	✓		
Total	100 %						

Explanation of the appropriateness of the assessment methods in assessing the intended learning outcomes:

Continuous assessment consists of case study, course project and homework assignment, which can assess the students' understanding in theories, techniques and principles, evaluate their ability to solve problems in real business environment.

Final examination will assess the students' understanding in theories and principles, evaluate their ability to apply methods and techniques independently.

To pass this subject, students are required to obtain Grade D or above in BOTH the Continuous Assessment and Exam components.

Student Study Effort Expected

Class contact:	
▪ Lectures	28Hrs.
▪ Tutorials	14Hrs.
Other student study effort:	
▪ Readings	42Hrs.
▪ Assignments	42Hrs.
Total student study effort	126Hrs.

Reading List and References	Gray, C.F. and Larson, E.W. (2009), Project Management: the Managerial Process. 5th Edition. McGraw-Hill. Klastorin, T. (2004), Project Management, Tools and Trade-offs. John Wiley & Sons, Inc. Goldratt, E.M. (1997), Critical Chain. The North River Press, Great Barrington, MA, USA. Stevenson, N. (2004), Microsoft Project 2003 for Dummies. Wiley. Meredith, J.R. and Mantel, S. (2006), Project Management: a Managerial Approach. John Wiley & Sons, Inc. Thomke, S. (2007), Managing Product and Service Development: Text and Cases. McGraw-Hill. Lister, A. (2005), Project Planning and Control. Elsevier Ltd. PMI. (2004), A Guide to the Project Management Body of Knowledge (PMBOK Guide). Newton Square, PA, USA.

Subject Code	LGT5046
Subject Title	Contract Management
Credit Value	3
Level	5
Normal Duration	1-semester
Pre-requisite / Co-requisite/ Exclusion	Nil
Role and Purposes	To equip students with the knowledge and understanding of the forms and management of contractual relationships, specific emphasis being placed on ways to realize purchasing objectives through legal contracting and negotiation.
Subject Learning Outcomes	Upon completion of the subject, students will be able to: a. Understand and manage the contracts, from their negotiation and through conclusion of contract terms to discharge and, where required, resolution of disputes. b. Understand and manage sale of goods contracts and contracts for supply of services.
Subject Synopsis/ Indicative Syllabus	**Legal aspects of contracting:** legal framework for business, HK contract law, sale of goods contract, form contracts, purchasing objectives and the rights and obligations of buyers and sellers, realization of purchasing objectives through standard conditions of contracts, variations of contracts, protection against failure of contracts, supply of service contract, international contracts **Dispute resolution and relationship strategies**, making and defending a claim, dispute resolutions
Teaching/Learning Methodology	The lectures cover the basic concepts and theories. Tutorial sessions allow students to discuss the lectures and present the application of different methods to manage contracts in smaller groups.

Assessment Methods in Alignment with Intended Learning Outcomes

Specific assessment methods/tasks	% weighting	Intended subject learning outcomes to be assessed					
		a	b				
Coursework	50%						
Midterm test	25%	✓	✓				
Group assignment	25%	✓	✓				
Final Examination	50%	✓	✓				
Total	100 %						

To pass this subject, students are required to obtain Grade D or above in BOTH the Continuous Assessment and Exam components.

Student Study Effort Expected

Class contact:	
Lectures	28 Hrs.
Tutorials	14 Hrs.
Other student study effort:	
Assigned tutorial questions	42 Hrs.
Extra reading	42 Hrs.
Total student study effort	126 Hrs.

Reading List and References	Atiyah, P.S. (2001), The Sale of Goods, Longman Buckley, P.J. and Michie, J. (1996), Firms, Organizations and Contracts: A Reader in Industrial Organization, OUP Cavinato. J.L. and Kauffman. R.G. (2000), The Purchasing Handbook, McGraw Hill Christou, Richard (2007), Sale and Supply of Goods and Services, London: Sweet&Maxwell Fuller. G. (2001), Purchasing Contracts, Chandos Publishing Guest, A.G. (Gen Ed) (2006), Benjamin's Sale of Goods, Sweet & Maxwell National Association of Purchasing Management (2001), Contract Terms and Conditions, NAPM Philpott, F. (1994), Sale of Goods Litigation, Longman Stott, V. (2001), An Introduction to Hong Kong Business Law, Longman HK Education The Chartered Institute of Purchasing and Supply (2002), Project and Contract Management, CIPS Wong, E. (ed.) (2003), Butterworths Hong Kong Contract Law Handbook, Butterworths ***Hong Kong Legislations*** Control of Exemption Clauses Ordinance (Cap 71) Misrepresentation Ordinance (Cap 284) Sale of Goods Ordinance (Cap 26) Supply of Services (Implied Terms) Ordinance (Cap 457) Unconscionable Contracts Ordinance (Cap 458)

Subject Code	LGT5051
Subject Title	Chinese Maritime and Port Law
Credit Value	3
Level	5
Normal Duration	1-semester
Pre-requisite / Co-requisite/ Exclusion	Nil
Role and Purposes	To analyse Chinese maritime law and laws in relation to the use of Chinese ports concerning international shipping, with the view that students are able to understand and apply the relevant laws after the course.
Subject Learning Outcomes	Upon completion of the subject, students will be able to: a. Demonstrate knowledge and understanding of concepts and theories relating to Chinese Maritime and Port Law. b. Demonstrate knowledge and understanding of the procedures and common problems relating to Chinese Maritime and Port Law. c. Demonstrate abilities and skills in solving common problems encountered in China relating to Maritime and Port Law.
Subject Synopsis/ Indicative Syllabus	**Chinese Maritime Law:** Chinese Contract Law is the foundation of the course; the course mainly discusses the Chinese Maritime Code covering bills of lading, voyage charterparties, time charterparties, marine insurance, cargo policies, hull policies, ship ownership, ship mortgage and employment of seamen. **Port Law:** The organization and administration of Chinese port authorities, regulations on entering and leaving sea ports, port safety, regulations concerning foreign ships, ship registration, dangerous goods and regulations concerning shipping companies.
Teaching/Learning Methodology	The lectures cover the basic concepts and theories. Tutorial sessions allow students to discuss the lectures and present the application of Chinese Maritime and Port Law in smaller groups.

Assessment Methods in Alignment with Intended Learning Outcomes

Specific assessment methods/tasks	% weighting	Intended subject learning outcomes to be assessed					
		a	b	c			
Coursework	50%						
Individual assignment	25%	✓	✓				
Group assignment	25%	✓	✓	✓			
Final Examination	50%	✓	✓	✓			
Total	100 %						

To pass this subject, students are required to obtain Grade D or above in BOTH the Continuous Assessment and Exam components.

Student Study Effort Expected

Class contact:	
Lectures	28 Hrs.
Tutorials	14 Hrs.
Other student study effort:	
Individual assignment	18 Hrs.
Group assignment	10 Hrs.
Self study	56 Hrs
Total student study effort	126 Hrs.

Reading List and References	Mo, John Shijian (1999), Shipping Law in China, Hong Kong: Sweet & Maxwell, Asia. Albert Chen (2004), An Introduction to the Legal System of China, Butterworths. Wang Shengming, Rongwei Cai and Melinda Lee (1999), An Insider's Guide to the PRC Contract Law, Asia Law & Practice. Zhang Jinxian (1997), China's Maritime Courts and Justice, Witherby. Beaumont, Ben & Yang, Philip (1994), Chinese Maritime Code & Arbitration, London: Simmonds & Hill Pub. Li, K.X. and Ingram, C.W.M. (2002): Maritime Law and Policy in China, London: Cavendish. 中國海事局 (2000),《海事法規匯編》(The Collection of Maritime Laws and Regulations 1949-1999), 人民交通出版社。 祝銘山 (2004),《運輸合同糾紛》, 中國法制出版社。 於世成, 楊召南, 汪淮江(2003),《海商法》, 法律出版社。 司玉琢 （2007），《海商法》，法律出版社。

Subject Code	LGT5052
Subject Title	Maritime Claims Management
Credit Value	3
Level	5
Normal Duration	1-semester
Pre-requisite / Co-requisite/ Exclusion	Nil
Role and Purposes	To provide students who may be involved in claims which arise during the operation of ships and the carriage of their goods and passengers with practical information and management skills in dealing with legal disputes.
Subject Learning Outcomes	Upon completion of the subject, students will be able to: a. Demonstrate knowledge and understanding of concepts and theories maritime claims management. b. Demonstrate knowledge and understanding of the procedures and common problems in maritime claims management. c. Demonstrate abilities and skills in solving common problems encountered in maritime claims management.
Subject Synopsis/ Indicative Syllabus	**Dispute Resolutions:** the process of resolving disputes between parties by using different ways including litigation, arbitration, mediation, conciliation and negotiation. Comparison on using different modes of dispute resolutions. Issue of legal costs. **Strategy for Optimal Claim Settlement and Claim Management Skills:** claim planning, forum shopping (choice of court), choice of law, limitation of liability, appointment of shipping lawyers, surveyors, adjusters and other maritime professions, analyzing of legal writings, understanding of legal documents, effective communication and management of relationships between different parties.
Teaching/Learning Methodology	The lectures cover the basic concepts and theories. Tutorial sessions allow students to discuss the lectures and different ways to manage maritime claims in smaller groups.

Assessment Methods in Alignment with Intended Learning Outcomes

Specific assessment methods/tasks	% weighting	Intended subject learning outcomes to be assessed					
		a	b	c			
Coursework	**50%**						
Individual assignment	25%	✓	✓				
Group assignment	25%	✓	✓	✓			
Final Examination	**50%**	✓	✓	✓			
Total	100 %						

To pass this subject, students are required to obtain Grade D or above in BOTH the Continuous Assessment and Exam components.

Student Study Effort Expected		
	Class contact:	
	▪ Lectures	28 Hrs.
	▪ Tutorials	14 Hrs.
	Other student study effort:	
	▪ Individual assignment	20 Hrs.
	▪ Group assignment	20 Hrs.
	▪ Self study	44 Hrs.
	Total student study effort	126 Hrs.

Reading List and References	Bagheri, M. (2000), International contracts and national economic regulation: dispute resolution through international commercial arbitration, The Hague; Boston: Kluwer Law International. Cameron, Camille (2001), Principles and Practice of Civil Procedure in Hong Kong, Hong Kong: Sweet & Maxwell Asia. Cato, D Mark (1999), The Expert in Litigation and Arbitration, LLP Chan, Felix & others (2000), Halsbury's Laws of Hong Kong: Vol 18(1), HK: Butterworths Asia. Costanzo, Margot (1993), Legal Writing, London: Cavendish Publishing Ltd. D'Ambrumenil, P. (1997), Mediation and arbitration, London: Cavendish Publishing Ltd. Fisher, R. (1991), Getting to yes: negotiating agreement without giving in (2nd Ed.), London: Business Books Ltd.; Boston: Houghton Mifflin. Harvard Program on Negotiation (PON): http://www.pon.harvard.edu/main/home/index.php3 Ma, D. and Kaplan, N. (2003), Arbitration in Hong Kong: a practical guide, Hong Kong: Sweet & Maxwell Asia. Mandaraka-Sheppard, Aleka (2007), Modern Admiralty Law: With Risk Management Aspects, Cavendish Publishing Limited.

Subject Code	LGT5054
Subject Title	Maritime & Port Risk Management
Credit Value	3
Level	5
Normal Duration	1-semester
Prerequisites / Exclusions	Nil
Role and Purpose	This subject seeks to develop the knowledge and analytical skills necessary for making risk management decisions, through the application of risk management principles, when employed in organizations related to shipping / maritime trade.
Learning Outcomes	On completion of this subject, students will be able to: a. Analyze risks in maritime trade and ports, by applying basic principles and techniques of risk management. b. Identify appropriate risk management solutions and to effectively implement them. c. Understand how politics, policies and regulations affect risk management in maritime industry. d. Be familiar with risk management to a level that is adequate for continued self-enhancement of knowledge of the subject.
Synopsis / Indicative Syllabus	**Introduction and Concepts in Risk Management** Definitions of risk, concepts in risk management, identifying assets that need risk management, responsibility for risk management. **Identifying and Managing risks** Business process risks, market risks, organizational risks, socio-economic and environmental risks. Controllable and uncontrollable risks, low-frequency and random risks, management of risks. **Assessing Risks** Perceptions of risks, strategic and tactical approaches to risks, assessing various types of risks, Limitations of qualitative and quantitative risk assessment and choosing between them.

<table>
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Risk reduction strategies

Risk reduction strategies, risk avoidance, risk acceptance, 'do nothing', risk spreading, insurance, Identification, evaluation and ranking of risk reduction measures

Developing risk mitigation measures

Contingency planning, Crisis management, responding to disasters and risk events

Risk management plans

Cost of risk management, perceptions of risk and political factors, regulations and their effect on risk management.

Maritime Security

Security threats to shipping. Piracy, Terrorism. ISPS Code, CSI, C-TPAT,Impact of security on costs. Security threats and insurance costs. Impact of disruptions in shipping. Resilience and vulnerability of shipping to security threats.

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<tr><td>Teaching / Learning Methodology</td><td>

Lectures introduce and explain key theoretical concepts. Lectures are followed by class discussions where concepts arelinked to real events in the industry through appropriate examples and their analysis.

Discussions are highly interactive and include discussions of current / past events, case studies and student presentations. Students are expected to actively participate in the classes and to share their experience and learn from each other.

</td></tr>
<tr><td>Assessment Methods</td><td>

<table>
<tr><th rowspan="2">Assessment Method / Task</th><th rowspan="2">Weight
%</th><th colspan="4">Intended subject learning outcome to be assessed</th></tr>
<tr><th>a</th><th>b</th><th>c</th><th>d</th></tr>
<tr><td>Continuous Assessment</td><td>50%</td><td></td><td></td><td></td><td></td></tr>
<tr><td>Weekly report / Analysis / quiz</td><td>25%</td><td>✓</td><td>✓</td><td>✓</td><td>✓</td></tr>
<tr><td>Participation in discussions / Attendance</td><td>25%</td><td>✓</td><td>✓</td><td>✓</td><td>✓</td></tr>
<tr><td>Final Examination</td><td>50%</td><td>✓</td><td>✓</td><td>✓</td><td>✓</td></tr>
<tr><td>Total</td><td>100%</td><td></td><td></td><td></td><td></td></tr>
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Students would be given regular feedback on their performance, by email or as comments on assignments submitted.

To pass this subject, students are required to obtain Grade D or above in **both** the Continuous Assessment and Final Examination components.

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Required Student Study Effort

Activity	Method	Duration (Hours)
Class Contact	Lecture + Tutorials	42
Independent study effort:	Self study	28
	Home work	50
Total		130

Reading List and References

Ayyub, B. M. (2003) *Risk Analysis in Engineering and Economics.* Chapman & Hall.

Bai, Y. (2003) *Marine Structural Design*. Elsevier.

Ellen, E. (1993) *Ports at Risk.*Paris: International Chamber of Commerce.

Ellen, E. (1997) *Shipping at Risk: the rising tide of organised crime.*Paris: International Chamber of Commerce.

Fink, S. (2002) *Crisis Management: planning for the inevitable (2nd ed)*. Lincoln, Neb.: iUniverse.

Haimes, Y. Y. (2004) *Risk Modelling, Assessment and Management*. New York: Wiley.

Hassett, M. J. (1999) *Probability for Risk Management*. Actex.

Hertz, D. B. (1984) *Practical Risk Analysis: An approach through case histories*. New York: Wiley.

IMarE (1997) *Marine Risk Assessment: A better way to manage your business.* Conference proceedings. London: Institute of Marine Engineers.

Klugman, S. A. (2004) *Loss Models: from data to decisions (2nd ed).* Wiley-Interscience.

Kristiansen, S. (2005) *Maritime Transportation: Safety Management and Risk Analysis.* Butterworth-Heinemann.

Mars, G. D. W. (2000) *Risk Management*. England: Ashgate.

Pillay, A. (2003) *Technology and Safety of Marine Systems*. Elsevier Science.

Subject Code	LGT5064
Subject Title	Shipping Law
Credit Value	3
Level	5
Normal Duration	1-semester
Pre-requisite / Co-requisite/ Exclusion	Nil
Role and Purposes	To equip the students with the knowledge of principles of law of carriage of goods and enable them to foresee legal difficulties in making business decisions and to solve some basic legal problems in shipping practice.
Subject Learning Outcomes	Upon completion of the subject, students will be able to: a. Understand and apply the carriage of goods law. b. Analyse legal cases and interpret legislations and legal documents. c. Develop the ability to solve real legal issues by applying the legal method and conducting legal researches
Subject Synopsis/ Indicative Syllabus	Sea: Carrier's rights and obligations at common law and under Hague Rules, Hague-Visby Rules, Hamburg Rules, Hong Kong Carriage of Goods by Sea Ordinance; Function of Shipping Documents including Bills of Lading, Delivery Orders, Mate's Receipts, Sea Waybills, Electronic Bills of lading; Charter parties: voyage, time and demise charterparties. Land and Air: Carrier's rights and obligations under CMR, COTIF/CIM and Warsaw Convention. Function of related documents including consignment notes and air waybills. Multimodal: Combined transport: analysis of some common standard trading conditions and U.N. Convention on Multimodal Transportation of Goods 1980. Freight forwarding: functions of freight forwarders and relevant standard trading conditions.
Teaching/Learning Methodology	**I**n lectures, the general principles of the syllabus topics will be presented and developed, together with guidance on further readings and activities. The blackboard will be used to provide additional learning materials and discuss different issues. In tutorials, students will have the chance to practice the legal method through the discussion and analyse of legal cases.

Assessment Methods in Alignment with Intended Learning Outcomes

Specific assessment methods/tasks	% weighting	Intended subject learning outcomes to be assessed					
		a	b	c			
Case presentation	25%	✓	✓	✓			
Assignment	25%	✓	✓	✓			
Examination	50%	✓	✓	✓			
Total	100 %						

Explanation of the appropriateness of the assessment methods in assessing the intended learning outcomes:

Students will be asked to apply legal method to provide solutions to problems which are practical and real.

To pass this subject, students are required to obtain Grade D or above in BOTH the Continuous Assessment and Exam components.

Student Study Effort Expected

Class contact:	
▪ Lectures	28 Hrs.
▪ Tutorials	14 Hrs.
Other student study effort:	
▪ Voluntary test and quiz	42 Hrs.
▪ Further readings	42 Hrs.
Total student study effort	126 Hrs.

Reading List and References	Chan, Felix W. H., et al, (2002) Shipping and logistics law : principles and practice in Hong Kong, 1st ed, Hong Kong: Hong Kong University Press Wilson, John F., (2010) Carriage of Goods by Sea, 7th ed, England: Pearson Education Ltd Clarke, M & Yates, D, (2008) Contracts of Carriage by Land and Air, 2nd ed, London: Informa Law Glass, D, (2004) Freight Forwarding and Multimodal Transport Contracts, 1st ed, London: Informa Professional Institute of Maritime Law, (2008) Southampton on Shipping Law, 1st ed, London: Informa Law ***Recommended periodicals, newspapers*** Lloyd's Maritime and Commercial Law Quarterly Lloyd's Maritime Law Newsletter Journal of International Maritime Law Seaview (Journal of the Institute of Seatransport)

Subject Code	LGT5065
Subject Title	Finance for Shipping and Logistics
Credit Value	3
Level	5
Normal Duration	1-semester
Pre-requisite / Co-requisite/ Exclusion	Nil
Role and Purposes	To provide students with knowledge of a broad range of concepts and methods in financial and investment management and to develop skills in applying these to decision-making in shipping and logistics.
Subject Learning Outcomes	Upon completion of the subject, students will be able to: a. Understand a broad range of concepts and methods in financial and investment management. b. Develop and apply appropriate financial management skills to decision-making in shipping and logistics.
Subject Synopsis/ Indicative Syllabus	Fundamental concepts in financial and investment management: financial statement; principles of valuation; capital budgeting; cost of capital and portfolio theory; capital structure and financing; economic and industry analysis. Sources and types of finance in shipping and logistics, bank shipping finance, credit analysis in shipping finance; shipping investment, shipping industry analysis, shipping cost and profitability, hedging shipping market risk.
Teaching/Learning Methodology	Lecture: study basic concepts and techniques in financial decisions. Case study: put the concepts and techniques into context. Group project: learn to apply basic financial techniques to logistics/maritime industry; study selected topics indepth.

Assessment Methods in Alignment with Intended Learning Outcomes

Specific assessment methods/tasks	% weighting	Intended subject learning outcomes to be assessed					
		a	b				
Coursework	50%	✓	✓				
Final examination	50%	✓	✓				
Total	100 %						

Explanation of the appropriateness of the assessment methods in assessing the intended learning outcomes:

The coursework includes a participation (5%), an assignments (15%, for basic concepts and methods), and a group project (30%, for students apply the basic skill to real world situation). Examination is to test students' basic concepts and methods and their ability to apply basic skills to solve problems.

To pass this subject, students are required to obtain Grade D or above in BOTH the Continuous Assessment and Exam components.

Student Study Effort Expected

Class contact:	
▪ Lecture (incl. tutorial)	36 Hrs.
▪ Case study	6 Hrs.
Other student study effort:	
▪ Group Project	42Hrs.
▪ Reading and self-study	42Hrs.
Total student study effort	126 Hrs.

Reading List and References

Zvi Bodie, Alex Kane, and Alan J. Marcus (2009) Essentials of Investments (7ed), McGraw-Hill.

Brealey A.R, C.S. Myers, and F. Allen (2006) Principles of Corporate Finance, International Edition (8th ed), McGraw-Hill.
S. Ross, R. Westerfield, J. Jaffe, 2007, Modern Financial Management (8ed), McGraw-

Drewry Consultants (1998). Ship Finance: Choices, Competition and Risk/Reward Equations, Drewry, London.

Drewry Consultants (2001). Ship Finance and Investment. Drewry, London.

Ocean Shipping consultants Ltd (2004), Shipping profitability to 2015.
Stokes, P. (1997) Ship Finance—Credit Expansion and the Boom-bust Cycle, Lloyd's of London Press.

M. Stopford. (2009). Maritime Economics (3ed). Routledge.

Subject Code	LGT5066
Subject Title	Port Economics
Credit Value	3
Level	5
Normal Duration	1-semester
Pre-requisite / Co-requisite/ Exclusion	Nil
Role and Purposes	This course introduces the application of economic theory in business decisions on port development, operation and management; to design public policies to improve the performance of ports in a competitive environment
Subject Learning Outcomes	Upon completion of the subject, students will be able to: a. Develop an ability to build economic models to analyze the business decisions of ports; b. Instill an understanding of the interaction between economic, operational and technological aspects of ports; c. Establish an awareness of the range of perspectives which may be adopted, theoretically, legally and practically towards ports; d. Analyze market data and forecast the trend in ports. Studying this subject will also help develop students' critical and creative thinking, analysis and synthesis.
Subject Synopsis/ Indicative Syllabus	Introduction to economic theories in port development, operation and management; Port organization and ownership structure; Port demand and demand forecasting; Port supply; Port price and port pricing principle; Port congestion and externality; Port productivity; Port competition; Port investment and project appraisal.
Teaching/Learning Methodology	Lectures will be used to introduce the theory and subject contents, tutorials will be used to discuss the current issues in port business decision making, port development, operation and management strategies.

<table>
<tr><td>Assessment Methods in Alignment with Intended Learning Outcomes</td><td>
<table>
<tr><td rowspan="2">Specific assessment methods/tasks</td><td rowspan="2">% weighting</td><td colspan="6">Intended subject learning outcomes to be assessed</td></tr>
<tr><td>a</td><td>b</td><td>c</td><td>d</td><td></td><td></td></tr>
<tr><td>Coursework</td><td>50%</td><td>✓</td><td>✓</td><td>✓</td><td>✓</td><td></td><td></td></tr>
<tr><td>Examination</td><td>50%</td><td>✓</td><td>✓</td><td>✓</td><td></td><td></td><td></td></tr>
<tr><td>Total</td><td>100 %</td><td colspan="6"></td></tr>
</table>
To pass this subject, students are required to obtain Grade D or above in BOTH the Continuous Assessment and Exam components.
</td></tr>
<tr><td>Student Study Effort Expected</td><td>
<table>
<tr><td>Class contact:</td><td></td></tr>
<tr><td>▪ Lecture</td><td>28 Hrs.</td></tr>
<tr><td>▪ Tutorial</td><td>14 Hrs.</td></tr>
<tr><td>Other student study effort:</td><td></td></tr>
<tr><td>▪ Term project</td><td>84 Hrs.</td></tr>
<tr><td>Total student study effort</td><td>126 Hrs.</td></tr>
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<tr><td>Reading List and References</td><td>
Wayne K. Talley, Port Economics. Routledge, 2009

Kenneth D. Boyer, Principles of Transportation Economics, Addison-Wesley, 1997.

Anne Graham, Managing Airports: An International Perspective, Oxford: Butterworth-Heinemann, 2001.

Tirole, Jean, The Theory of Industrial Organization, MIT Press, 1988.
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Subject Code	LGT5067
Subject Title	Intermodal Transport Management
Credit Value	3
Level	5
Normal Duration	1-semester
Pre-requisite / Co-requisite/ Exclusion	Nil
Role and Purposes	To comprehend and apply concepts of international trade and transport economics in the container transport chain via international transport.
Subject Learning Outcomes	Upon completion of the subject, students will be able to: a. Demonstrate relevant knowledge and understanding of the concepts of intermodal transport and the business environment in which they operated; b. Understand the current developments of relevant economical and technological issues in relation to the operations and management of intermodal transport; c. Evaluate intermodalism in an integrated form which reflects sound business practices; d. Develop approaches to defining and analyzing problems as well as formulate solutions for structured and unstructured problems in intermodal transport.
Subject Synopsis/ Indicative Syllabus	Introduction and development of intermodal transport; Containerization and the concept of container transport chain; Intermodal and the auxiliary transport system; Contemporary freight transport patterns; Managing road haulage and rail-freight operations, inland waterway, short-sea and coastal shipping; The economics of transshipment; The role of seaport and inland infrastructure in intermodal transport; Strategic analysis and current strategies of carriers in intermodal transport; Formulation of business strategies in managing intermodal transport
Teaching/Learning Methodology	Lectures supplemented by class activities such as tutorials, seminar, case discussion, and presentations. In the lectures the general principles of the syllabus will be presented and developed. Students are expected to take an active part in the learning processes.

<table>
<tr><td>Assessment Methods in Alignment with Intended Learning Outcomes</td><td>
<table>
<tr><td rowspan="2">Specific assessment methods/tasks</td><td rowspan="2">% weighting</td><td colspan="6">Intended subject learning outcomes to be assessed</td></tr>
<tr><td>a</td><td>b</td><td>c</td><td>d</td><td></td><td></td></tr>
<tr><td>Coursework</td><td>50%</td><td></td><td>✓</td><td>✓</td><td>✓</td><td></td><td></td></tr>
<tr><td>Examination</td><td>50%</td><td>✓</td><td>✓</td><td></td><td>✓</td><td></td><td></td></tr>
<tr><td>Total</td><td>100 %</td><td colspan="6"></td></tr>
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To pass this subject, students are required to obtain Grade D or above in BOTH the Continuous Assessment and Exam components.
</td></tr>
<tr><td>Student Study Effort Expected</td><td>
<table>
<tr><td>Class contact:</td><td></td></tr>
<tr><td>▪ Lecture</td><td>28 Hrs.</td></tr>
<tr><td>▪ Tutorial</td><td>14 Hrs.</td></tr>
<tr><td>Other student study effort:</td><td></td></tr>
<tr><td>▪ Project</td><td>40 Hrs.</td></tr>
<tr><td>▪ Self-study</td><td>44 Hrs.</td></tr>
<tr><td>Total student study effort</td><td>126 Hrs.</td></tr>
</table>
</td></tr>
<tr><td>Reading List and References</td><td>
Recommended textbooks
1. Lun Y.H.V., Lai K.H. and Cheng T.C.E., 2009, Container Transport Management, Shipping and Transport Logistics Book Series, Inderscience
2.Lun Y.H.V., Lai K.H and Cheng T.C.E. 2010, Shipping and Logistics Management, Springer

References
1.Stopford Martin, 2009, Maritime Economics, Routledge
2. Goulielmos A.M., Lun Y.H.V., Ng C.T. and Cheng T.C.E., 2010, The Business of Shipping, Shipping and Transport Logistics Book Series, Inderscience
3.Lowe David, 2005, Intermodal Freight Transport, Elseiver
4.Branch Alan, 2008, Elements of Shipping, Routledge
</td></tr>
</table>

Subject Code	LGT5068
Subject Title	Maritime and Port Environment
Credit Value	3
Level	5
Normal Duration	1-semester
Pre-requisite / Co-requisite/ Exclusion	Nil
Role and Purposes	To provide an in-depth, theoretical and practical knowledge for students who wish to pursuing a career in environmental management in maritime industries.
Subject Learning Outcomes	Upon completion of the subject, students will be able to: a. Understanding global and regional environmental concerns from maritime transportation sector. b. Master the knowledge and skills for the economic and policy analysis of environmental policy in shipping and port. c. Familiar with various international, national and regional agencies for the environmental issues from shipping and port activities. d. Capable of arranging environmental management activity, and setting up optimal strategies for environmental management in maritime businesses.
Subject Synopsis/ Indicative Syllabus	▪ Introduction on marine and coastal ecosystem, environmental issues of shipping and ports, sustainability, international, national and regional environmental organizations and regulations in maritime industry. ▪ Economics and policy analysis on marine and coastal environment and resources. ▪ International Environmental Management Standards (EMS) and environmental management practice in port and shipping; ▪ Pollution prevention from shipping. ▪ Maritime Safety and Security in ships, seafarers, navigation, and ports. ▪ Environmental Considerations for Port Development and Operation, Environmental Impact Assessment (EIS), ▪ Environmental Management Practices in maritime Industry, enforcement issues in environmental regulation, strategic behavior in environmental compliance, optimal enforcement and compliance. Case studies in the environmental management in port and shipping

<table>
<tr><td>Teaching/Learning Methodology</td><td>A combination of lectures, tutorials, and student-directed learning activities will be included in this subject. Case studies and laboratory experiment will be used in this subject</td></tr>
<tr><td>Assessment Methods in Alignment with Intended Learning Outcomes</td><td>
<table>
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<tr><td>Coursework</td><td>50%</td><td>✓</td><td>✓</td><td>✓</td><td>✓</td><td></td><td></td></tr>
<tr><td>Examination</td><td>50%</td><td>✓</td><td>✓</td><td>✓</td><td></td><td></td><td></td></tr>
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<tr><td>Class contact:</td><td></td></tr>
<tr><td>▪ Lecture</td><td>28 Hrs.</td></tr>
<tr><td>▪ Tutorial</td><td>14 Hrs.</td></tr>
<tr><td>Other student study effort:</td><td></td></tr>
<tr><td>▪ Term project</td><td>84 Hrs.</td></tr>
<tr><td>Total student study effort</td><td>126 Hrs.</td></tr>
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Reading List and References	*Readings & References* AAPA (1998). *Environmental Management Handbook*. http://www.aapa-ports.org/govrelations/env_mgmt_hb.htm accessed at 3.31.2006 Barrow, C. J. (1999). *Environmental Management: principles and practice*. London, Routledge. Bennett, P. (1999). Governing environmental risk: regulation, insurance and moral economy. *Progress in Human Geography* 23(2):189-208 Frankel, E(1995). *Ocean Environmental Management – A primer on the rule of the oceans and how to maintain their contributions to life on Earch*. Prentice-Hall:USA ISBN 0131845578 IAPH, (1991). IAPH Guidelines for Environmental Planning and Management in Ports and Coastal Area Developments. The International Association of Ports and Harbours, Tokyo, Japan, 89 pp. Ma, S. (2002). Economics of Maritime Safety and Environment Regulations. Chapter 18 of "The Handbook of Maritime Economics and Business", edited by Costas Th. Grammenos. ISBN: 1843111950Segerson, K. (ed, 2002). *Economics and Liability for Environmental Problems*. Ashgate:US ISBN: 0754621944 Tietenberg, T. H. (2004). Environmental Economics and Policy (4th Ed). Pearson Addison Wesley:USA

Subject Code	LGT5069
Subject Title	Airport and Terminal Management
Credit Value	3
Level	5
Normal Duration	1-semester
Pre-requisite / Co-requisite/ Exclusion	Nil
Role and Purposes	To provide an insight into the key issues crucial to air transport policy, airport planning & management and the concepts underlying airport planning.
Subject Learning Outcomes	Upon completion of the subject, students will be able to: a. Understand the key functions and operations of airports. b. Appreciate the airport planning and management process. c. Airport demand and cost management. d. Airport cargo operation. e. Management of airport aeronautical and commercial services.
Subject Synopsis/ Indicative Syllabus	Air commerce and industry organisations; Aviation policy; Air transport policy in China; Airport functions and systems; Airport slot allocation; Air traffic management; Airport system planning; Airport master planning and land use planning; Airport safety and security management; Airport ground transportation planning; Planning and design of air cargo facilities; Air cargo management; Users of airport; Airport finance and commercial management; Public administration and future development of air transport
Teaching/Learning Methodology	Lectures will be used to present the basic knowledge and how alternative skills can be applied to particular cases. Mini cases shall be used to give the students an updated view on the industry practices. Students are required to use the knowledge and methodology learned in this course to conduct projects which are related to the management and operation of airports.

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<tr><td>Coursework</td><td>50%</td><td></td><td>✓</td><td>✓</td><td></td><td>✓</td><td></td></tr>
<tr><td>Examination</td><td>50%</td><td>✓</td><td></td><td>✓</td><td>✓</td><td>✓</td><td></td></tr>
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<tr><td>▪ Tutorial</td><td>14 Hrs.</td></tr>
<tr><td>Other student study effort:</td><td></td></tr>
<tr><td>▪ Self Study</td><td>84 Hrs.</td></tr>
<tr><td>Total student study effort</td><td>126 Hrs.</td></tr>
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Reading List and References	*Recommended Textbook* Horonjeff, R., (2010), *Planning and Design of Airports*, McGraw-Hill Neufville, R. and Odoni, A. (2003), *Airport systems: Planning, design and management*, McGraw-Hill Professional. Young. S., Wells. A., (2011), *Airport planning and management,* McGraw-hill Professional Bradley. A., (2010), *The Independent airport planning manual*, Woodhead Pub. Cambridge Burghouwt G.,(2007), *Airline network development in Europe and its implications for airport planning*, Ashgate, Aldershot, England <u>Supplementary References:</u> Ashford, N. (1992), *Airport Engineering*, McGraw-Hill Ashord, N., Stanton, H. P. M. and Moore, C. A. (1997), *Airport operations*, McGraw-Hill Professional. Baldwin, R. (1998), *Developing the future aviation system*, Aldershot: Ashgate. Belobaba P, Odoni, A, Barnhart, C., (2009) *The Global Airline Industry (Aerospace Series),* Wiley Blow, C. J. (1996), *Airport terminals*, 2nd Edition, Oxford: Butterworth Architecture. Blow, C. J. (2005), *Transport terminals and modal interchanges*, Oxford: Elsevier. Dempsey, P. S. (1999), *Airport planning and development handbook: A global survey*, McGraw-Hill Professional. Doganis, R., (2003*), Flying Off Course, Third Edition, The Economics of International Airlines, Routledge* Doganis, R. (2001), *The airline business in the 21st century*, Routledge. Edwards, B. (2005), *The modern airport terminal*, 2nd Edition, New York: Spon Press. Forsyth, P. (2004), *The economic regulation of airports*, Aldershot: Ashgate. Jarach, D. (2005), *Airport marketing: Strategies to cope with the new millennium environment*, England: Ashgate. Luk, M. (2003), *Planning and Design of Air Cargo Systems*, Transport & Logistics, Proceedings of the 8th Conference of Hong Kong Society for Transportation Studies, pp 310-319 Schwieterman, J.P. (1993), Air Cargo and the Opening of China: New Opportunities for Hong Kong, Chinese University Press

	Yeh, A., Hills, P., Ng, S., (2002), *Modern Transport in Hong Kong for the 21st Century*, Centre of Urban Planning and Environmental Management, University of Hong Kong, pp 69 - 104 & 247-256 Liu, W.M., Luk, M., (2009), *Reform and opening up: Way to the sustainable and harmonious development of air transport in China,* Transport Policy, Volume 16, Issue 5 *Serials* Journal of Air Transportation Management Journal of Air Transportation World Wide Journal of Transport Economics and Policy Journal of Transport Geography Transportation Research Part A Transportation Research Part D Transportation Research Part E

Subject Code	LGT5070
Subject Title	Environmental Logistics
Credit Value	3
Level	5
Normal Duration	1-semester
Pre-requisite / Co-requisite/ Exclusion	Nil
Role and Purposes	This subject introduces environmental issues in the logistics processes and discusses possible measures for proactive environmental management. The purpose of this subject is to equip our students with all-round theories and practices in environmental management and policy, and apply them in logistics management process, so that they can succeed in facing the challenges to achieve both the objectives of business operation, and the goal of the society in achieving sustainable development.
Subject Learning Outcomes	**Upon completion of the subject, students will be able to:** a. understand the importance of global environmental problems, sustainable development, and their relationship with current business operation strategies, global economic development, and the impacts on local community through logistical activities; b. have a broad knowledge on the advanced technologies and management knowhow for environmental protection and management in logistic process; c. demonstrate the essential skills in managing international logistics elements in a environmentally sound, socially responsible, and financially successful manner; d. able to promote the environmental performances of the logistic process in the global competitive business environment.
Subject Synopsis/ Indicative Syllabus *(Note 2)*	▪ Logistics process, global environmental trends and sustainable development; ▪ Principles in environmental economics and policy ▪ Emission control technologies and application in transportation system; ▪ Corporate social responsibility; ▪ Green production; product life cycle analysis; product packaging; ▪ Environmental purchasing; ▪ Safety and environmental management in shipping. ▪ Reverse logistics; waste management and recycling, ▪ Benefit cost analysis in recycling; ▪ International laws, conventions, and standards on logistics environmental management; ▪ Monitoring, regulatory compliance and enforcement;

<table>
<tr><td>Teaching/Learning Methodology</td><td>Lectures will be used to present the basic material and illustrate its use. Tutorials will be used to apply the knowledge learned in the class on the real world cases in the environmental issues of logistics management.</td></tr>
<tr><td>Assessment Methods in Alignment with Intended Learning Outcomes</td><td>
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<tr><td>Examination</td><td>50%</td><td>✓</td><td>✓</td><td>✓</td><td>✓</td><td></td><td></td></tr>
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<tr><td rowspan="6">Student Study Effort Expected</td><td>Class contact:</td><td></td></tr>
<tr><td>▪ Lecture</td><td>28 Hrs.</td></tr>
<tr><td>▪ Tutorial</td><td>14 Hrs.</td></tr>
<tr><td>Other student study effort:</td><td></td></tr>
<tr><td>▪ Term project</td><td>84 Hrs.</td></tr>
<tr><td>Total student study effort</td><td>126 Hrs.</td></tr>
</table>

Reading List and References	*Recommended Textbook* Bucholz, R., *Principles of Environmental management: the greening of business*, Prentice Hall, Englewood Cliffs, NJ, 1998 *References* Alan McKinnon, Sharon Cullinane, Michael Browne, and Anthony Whiteing, *Green, Green Logistics: Improving the Environmental Sustainability of Logistics*, Kogan Page (April 28, 2010). ISBN: 0749456787 Freeman III, A.M., *The measurement of Environmental and Resource Values: Theory and Methods*. RFF Press. ISBN 1-891853-62-7 Brito M.P., Flapper S.D.P., and Dekker R. "Reverse logistics: a review of case studies", *Econometric Institute Report EI* 2002-21, 2002, available at: http://www2.eur.nl/WebDOC/doc/econometrie/feweco20020605160859.pdf Robert E. Cattanach, The handbook of environmentally conscious manufacturing: from design & production to labeling & recycling. Burr Ridge, Ill. : Irwin Professional Pub., c1995. Woensel T.V., R. Creten and N. Vandaele. "Managing the environmental externalities of traffic logistics: The issue of emissions" *Production and Operations Management*. 10(2) 2001. pg. 207-224 Corbett C. and Lleindrofer P.R. "Introduction to the special issue to the environmental management and operation, part 1: Manufacturing and eco-logistics". *Production and Operations Management*. 10(2) 2001a Corbett C. and Lleindrofer P.R. "Introduction to the special issue to the environmental management and operation, part 2: Integrating management and environmental management systems". *Production and Operations Management*. 10(3) 2001b

Subject Code	LGT5071
Subject Title	Ship Chartering Strategies
Credit Value	3
Level	5
Normal Duration	1-semester
Pre-requisite / Co-requisite/ Exclusion	Nil
Role and Purposes	An overview study of ship-brokering and chartering strategies, with a focus on the applications of knowledge and skills acquired from previous subjects in the context of the maritime transport environment (e.g. law, economics, finance, trading, marketing, and operations).
Subject Learning Outcomes	Upon completion of the subject, students will be able to: a. Understand the concept and major processes of "ship chartering". b. Analyse a chartering. c. Obtain a general understanding of related shipping markets. d. Discuss chartering strategy at corporate level. Studying this subject will also help develop students' relevant communication skills in chartering.
Subject Synopsis/ Indicative Syllabus	Ships; Chartering alternatives, Charter markets, Chartering market practices; Financial elements of charterparties; Voyage estimation; Laytime counting and calculation; Ship sale and purchase; Tanker chartering; Containership chartering; Port agency; Freight derivatives.
Teaching/Learning Methodology	The teaching approach will be a combination of lectures, class discussions and assignments on assigned topics and case analysis. Basic concepts and technical knowledge of brokering and chartering will be covered in lectures. Cases and examples will be discussed in tutorials. Students are expected to read the relevant text materials before lectures and tutorials. Students are encouraged to contact the lecturer or the tutor for any problems related to the subject

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<tr><td>Coursework</td><td>50%</td><td>✓</td><td>✓</td><td>✓</td><td>✓</td><td></td><td></td></tr>
<tr><td>Examination</td><td>50%</td><td>✓</td><td>✓</td><td>✓</td><td>✓</td><td></td><td></td></tr>
<tr><td>Total</td><td>100 %</td><td colspan="6"></td></tr>
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Explanation of the appropriateness of the assessment methods in assessing the intended learning outcomes:

A group assignment will be designed to analyse chartering decisions of a real corporate.

To pass this subject, students are required to obtain Grade D or above in BOTH the Continuous Assessment and Exam components.
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<tr><td>Class contact:</td><td></td></tr>
<tr><td>▪ Lecture</td><td>28 Hrs.</td></tr>
<tr><td>▪ Tutorial</td><td>14 Hrs.</td></tr>
<tr><td>Other student study effort:</td><td></td></tr>
<tr><td>▪ Assignment 1</td><td>42 Hrs.</td></tr>
<tr><td>▪ Assignment 2</td><td>42 Hrs.</td></tr>
<tr><td>Total student study effort</td><td>126 Hrs.</td></tr>
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Reading List and References	*References* Alizadeh, A. H. and Nomikos, N. K. (2009). *Shipping Derivatives and Risk Management*. Palgrave MacMillan. BIMCO (2009), *Check before Fixing*, Copenhagen, BIMCO. Collins, N. (2000) *The Essential Guide to Chartering and the Dry Freight Market*, Clarksons Research Studies. Gorton L., Hillenius P., Ihre R., and Sandevarn A. (2009) *Shipbroking and Chartering Practice* (7th Edition) Lloyds of London Press. Grey J. (1990), *Shipping Futures*, London, LLP. ICS (2009) ICS Tutorship Series. Institute of Chartered Shipbrokers. Kavussanos, M. G., and Visvikis I. D. (2006). *Derivatives and Risk Management in Shipping*, London: Witherbys. Latarche, M. (1998) *Port Agency*. Witherby. Lorange, P. (2004). *Shipping Company Strategies*. Elsevier. Lorange, P. (2009). *Shipping Strategy: Innovating for Success*. Cambridge University Press. McConville, J. (1999) *Economics of Maritime Transport: Theory and Practice*. Witherby. Packard W. (1978). *Voyage Estimating*, London: Fairplay. Packard W. (1979). *Laytime Calculating*, London: Fairplay. Packard, W. V. (1995) *Shipping Pools* (2nd edition). Lloyds of London Press. Strong, M. and P. Herring (2004) *Sale of Ships: The Norwegian Saleform*. Thomson.

Subject Code	LGT5072
Subject Title	Liner Shipping Management
Credit Value	3
Level	5
Normal Duration	1-semester
Pre-requisite / Co-requisite/ Exclusion	Nil
Role and Purposes	This subject is designed to help students gain knowledge of logistics and strategic managements in liner shipping companies, and establish full understanding of current developments in liner shipping sector.
Subject Learning Outcomes	The aim of this subject is to meet the demand in the shipping and logistics industry for professional managers. On successfully completing this subject, students will be able to: a. Demonstrate relevant professional knowledge and understanding of liner shipping business, b. Analyze and integrate the inter-relationships among the various components of subject matters in liner shipping for effective problem solving. Students are expected to be able to demonstrate a range of cognitive and intellectual skills together with techniques specific to the management of liner shipping.
Subject Synopsis/ Indicative Syllabus	Supply and demand of container trade. Structure of liner companies and market behaviour. The strategies of liner companies and competition issues in liner shipping. Technical and operations management in liner shipping. Ship type and market role. Optimal ship size and shipping costs. The development of fleet of container ship. Economies of scale in ship capacity. The logistics of container transport networks. The formation of shipping pools, consortium and alliances. Routes selection criteria. Demise of Liner conference system, UN Liner code, CSI, ISPS code and related government policies. Service contract and pricing mechanism. Structure of freight rates. Selection of equipment and container leasing. Multi-port calling verse trans-shipment. Port costs and charges. E-commerce in container shipping. Chartering in the liner sector. Market structure and key influences in liner chartering.
Teaching/Learning Methodology	Lectures supplemented by small group activities such as tutorials, seminar, and presentations. Students are expected to take an active part in the learning process. WebCT will be used extensively.

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<tr><td>Coursework</td><td>50%</td><td>✓</td><td>✓</td><td></td><td></td><td></td><td></td></tr>
<tr><td>Examination</td><td>50%</td><td>✓</td><td>✓</td><td></td><td></td><td></td><td></td></tr>
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<tr><td>Class contact:</td><td></td></tr>
<tr><td>▪ Lecture</td><td>28 Hrs.</td></tr>
<tr><td>▪ Tutorial</td><td>14 Hrs.</td></tr>
<tr><td>Other student study effort:</td><td></td></tr>
<tr><td>▪ Self Study</td><td>84 Hrs.</td></tr>
<tr><td>Total student study effort</td><td>126 Hrs.</td></tr>
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Reading List and References	*Recommended Textbooks* Brooks, M.R. (2000), *Sea Change in Liner Shipping*, Pergamon, London. Brooks. M. R., (2002), *Maritime Transport*, Edward Elgar Talley W., (2012), *The Blackwell companion to maritime economics*, John Wiley & sons Buckley, James J., (2008), *The business of shipping*. Centreville, Md., Cornell Maritime Press Dinger, Felix (2004), *The future of liner conferences in Europe : a critical analysis of agreements in liner shipping under current European competition law* , Frankfurt am Main : Peter Lang Drewry Shipping Consultants (1998), *Shiprepair and Conversion*, Drewry, London. Drewry Shipping Consultants (1999), *Containership Charter Market*, Drewry, London. Drewry Shipping Consultants (2000), *Container Market Outlook: High Risk & High Stakes: Where is the Payback?* Drewry, London. Drewry Shipping Consultants (2002), *Container Leasing: Seeking out the Opportunities*, Drewry, London. Farthing, B. (1993), *International Shipping*, Lloyd's of London Press, London . Gilman, S. (1983), *The Competitive Dynamics of Container Shipping*, Gower. Graham, M.G. (1985), *Containerisation in the Eighties*, Lloyd's of London Press, London. Greve, Majbritt. (2007), *Container shipping and economic development : a case study of A.P. Moller - Maersk in South East Asia*, Copenhagen : Copenhagen Business School Press, Jansson, J.O. and Shneerson, D. (1987), Liner Shipping Economics, Chapman and Hall. Jeffery, K. (1999), Electronic Commerce and Container Shipping, IIR Publications Ltd, London. Lloyd's List (2001), *Container Shipping: Executive Summit III*, 28-29 November 2001, Island Shangri-La, Hong Kong SAR. Publisher IBC Asia Ltd. Nair R (2009), Economic regulation and structural changes: liner shipping industry, Saarbwcken, Muller

	Pozdnakova. A (2008), Liner shipping and EU competition law, alphen aan den Rijn, Kluwer Law International Sjeetnan, Karen (1999), *The Future of Container Shipping Industry*. A Cargo Systems Report. Stopford, Martin. (2009),*Maritime economics*, Abingdon ; New York : Routledge, ***Other publications*** Containerisation International Dynamar B.V. (2003), Container Liner Operators: Trading Profiles [in Disc format] Fairplay - The International Shipping Weekly Maritime Economics and Logistics Journal Maritime Policy and Management Maritime Transport, OECD Publication

Subject Code	LGT5073
Subject Title	Risk Management in Operations
Credit Value	3
Level	5
Normal Duration	1-semester
Pre-requisite / Co-requisite/	None, but knowledge of elementary business statistics and probability will be advantageous.
Exclusion	ISE548 Risk and Crisis Management
Role and Purposes	This subject seeks to develop the knowledge and analytical skills necessary in organizations related to logistics, maritime trade or those with a strong emphasis on operations and quality management, for making risk management decisions and ensuring business continuity, through the application of risk management principles.
Subject Learning Outcomes	Upon completion of the subject, students will be able to: e. Analyze risks in operations, by applying basic principles and techniques of risk management. f. Identify appropriate risk management solutions and to effectively implement them. g. Use risk management concepts to devise appropriate business continuity plans. h. Be familiar with risk management in operations to a level that is adequate for continued self-enhancement of knowledge of the subject.
Subject Synopsis/ Indicative Syllabus	**Introduction and Concepts in Risk Management** Definitions of risk, concepts in risk management, identifying assets that need risk management, responsibility for risk management. **Identifying and Managing risks** Business process risks, market risks, organizational risks, socio-economic and environmental risks. Controllable and uncontrollable risks, low-frequency and random risks, management of risks. **Assessing Risks** Perceptions of risks, strategic and tactical approaches to risks, assessing various types of risks, Limitations of qualitative and quantitative risk assessments and the considerations for selection.

	Risk reduction strategies Risk reduction strategies, risk avoidance, risk acceptance, 'do nothing', risk spreading, insurance, identification, evaluation and ranking of risk reduction measures **Risk mitigation measures / Business continuity planning** Contingency planning, crisis management, responding to disasters and risk events. **Risk management plans** Cost of risk management, perceptions of risk and political factors, regulations and their effects on risk management, Security threats and insurance costs. **Safety and Security risks** Safety and security risks, human factors, security threats to logistics / shipping, piracy, terrorism, impact of disruptions in shipping, resilience and vulnerability of shipping / logistics networks. **International Standards and Regulatory Requirements** International standards and regulatory requirements for business continuity.
Teaching/Learning Methodology	Lectures introduce and explain key theoretical risk-related concepts. Lectures are followed by class discussions where concepts are linked to real events in the industry through appropriate examples and their analysis. Discussions are highly interactive and include discussions of current / past events, case studies, and student presentations. Students are expected to actively participate in the classes and to share their experience and learn from each other.

Assessment Methods in Alignment with Intended Learning Outcomes

Specific assessment methods/tasks	% weighting	Intended subject learning outcomes to be assessed					
		a	b	c	d		
Continuous Assessment	**60 %**						
1.Weekly Case Analysis / Assignments	30 %	✓	✓	✓	✓		
2.Participation in case discussion / Attendance	30 %	✓	✓	✓	✓		
Final Examination	**40 %**						
1. Final Examination (Open Book)	40 %	✓	✓	✓	✓		
Total	**100 %**						

Explanation of the appropriateness of the assessment methods in assessing the intended learning outcomes:

Since the course focuses on risk management in operations, case analysis and learning from practical, work-based experiences forms an important constituent of student assessment. Further, assignments and class discussions reinforce theoretical concepts learnt during the lectures and enable their applications in real-life operational situations. Final examination is an open-book examination that assesses student's familiarity with theoretical concepts and the ability to apply conceptual framework in case analysis.

Students would be given regular feedback on their performance, by email or as comments on assignments submitted.

To pass this subject, students are required to obtain Grade D or above in BOTH the Continuous Assessment and Exam components.

Student Study Effort Expected	Class contact:	
	▪ Lecture Tutorials	42 Hrs.
	Other student study effort:	
	▪ Self study	42 Hrs.
	▪ Homework	42 Hrs.
	Total student study effort	126 Hrs.
Reading List and References	Blunden, T & John Thirlwell. (2010). Mastering operational risk. Harlow, England ; New York : Financial Times Prentice Hall Devlin, E.S. (2007) *Crisis management planning and execution.* Boca Raton, FL: Auerbach Publications, c2007. Haimes, Y. Y. (2004) *Risk Modeling, Assessment and Management*. New York: Wiley. Handfield, R.B. & Kevin McCormack (ed.) (2008) *Supply chain risk management: minimizing disruptions in global sourcing*. Roca Raton, Fla.: Auerbach Publications. Hubbard, D.W. (2009) *The failure of risk management: why it's broken and how to fix it*. Hoboken, N.J.: J. Wiley & Sons. Journal of business continuity & emergency planning. London: Henry Stewart Publications. Oliver, E. Clifford. (2011) Catastrophic disaster planning and response [electronic resource].Boca Raton: CRC Press. Trim, Peter R.J & Jack Caravelli (ed.) (2009). *Strategizing resilience and reducing vulnerability*. New York: Nova Science Publishers, c2009.	

Subject Code	LGT5101
Subject Title	Statistics for Management
Credit Value	3
Level	5
Normal Duration	1-semester
Pre-requisite / Co-requisite/ Exclusion	Nil
Role and Purposes	▪ To introduce students to statistics as a tool for data preparation and analysis. ▪ To impart on students the concepts, theories and techniques of a variety of statistical methods. ▪ To develop students' ability and confidence in the use of statistics for preparing and analysing data to support management decision making.
Subject Learning Outcomes	Upon completion of the subject, students will be able to: a. Able to use statistics for preparing and analyzing data to support management decision making b. Understand the concepts, theories and techniques of a variety of managerial statistics

Subject Synopsis/ Indicative Syllabus	**Data Representation** Frequency distribution; histogram; stem and leaf display; other graphical methods. **Statistical Measures** Measures of central tendency; measures of variability; measures of shape. **Probability Concepts** Sample space; simple and compound events; probability laws; Bayes' theorem; random variables. **Statistical Distributions** Binomial; Poisson; Normal and other distributions and their characteristics. **Sampling Theory** Sampling distributions; central limit theorem. **Estimation** Point and interval estimates; confidence intervals; significance level. **Tests of Hypothesis** Null and alternative hypotheses; sample size; type I and type II errors. **Linear Regression and Correlation** Least squares method; coefficient of correlation. **Multiple Regression** Applications of multiple regression equation; inferences about parameters. **Time Series** Time series analysis; exponential smoothing; measurement of error.
Teaching/Learning Methodology	Concepts and techniques will be introduced through lectures. Students are required to apply the knowledge and skills to solve various applied statistical problems in the form of exercise and case study. The use of relevant computer package will be encouraged.

<table>
<tr>
<td>Assessment Methods in Alignment with Intended Learning Outcomes</td>
<td>
<table>
<tr><td rowspan="2">Specific assessment methods/tasks</td><td rowspan="2">% weighting</td><td colspan="6">Intended subject learning outcomes to be assessed</td></tr>
<tr><td>a</td><td>b</td><td></td><td></td><td></td><td></td></tr>
<tr><td>Continuous Assessment</td><td>50 %</td><td>✓</td><td>✓</td><td></td><td></td><td></td><td></td></tr>
<tr><td>Examination</td><td>50 %</td><td>✓</td><td>✓</td><td></td><td></td><td></td><td></td></tr>
<tr><td>Total</td><td>100 %</td><td colspan="6"></td></tr>
</table>

Explanation of the appropriateness of the assessment methods in assessing the intended learning outcomes:

Students need to do a group case study, testing whether they know how to apply the theories learnt to some real life situations. Mid-term test and examination are also required to test their understanding and familiarity with the knowledge.

To pass this subject, students are required to obtain Grade D or above in BOTH the Continuous Assessment and Exam components.
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<tr>
<td>Student Study Effort Expected</td>
<td>
<table>
<tr><td>Class contact:</td><td></td></tr>
<tr><td>▪ Lectures</td><td>28 Hrs.</td></tr>
<tr><td>▪ Tutorials</td><td>14 Hrs.</td></tr>
<tr><td>Other student study effort:</td><td></td></tr>
<tr><td>▪ Reading and doing exercises</td><td>84 Hrs.</td></tr>
<tr><td>Total student study effort</td><td>126 Hrs.</td></tr>
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</table>

Reading List and References	***Books*** Levine, D.M., Berenson, M.L. & Stephan, D., Statistics for Managers Using Microsoft Excel, 3rd edition, Prentice-Hall, 2008. McClave, J. T., Benson, P. G. and Sincich, T., Statistics for Business and Economics, Prentice Hall, 2008. ***Selected Articles*** Cheng, T.C.E. and Boom, H.J., 'Correlation Study on Job Satisfaction of Personal Secretaries in Hong Kong', Asia Pacific International Management Forum, Vol.16, pp. 21-35, 1990. Cheng, T.C.E., Lo, Y.K. and Ma, K.W., 'Forecasting Stock Price Index by Multiple Regression', Managerial Finance, Vol.16, pp.27-31, 1990. Fildes, R. and Hastings, R., 'The Organization and Improvement of Market Forecasting', Journal of Operational Research Society, Vol.45, pp.1-16, 1994. ***Journals*** Journal of the American Statistical Association Journal of the Royal Statistical Society The Statistician

Subject Code	LGT5102
Subject Title	Models for Decision Making
Credit Value	3
Level	5
Normal Duration	1-semester
Exclusion	MGT532 Deterministic Operations Research
Role and Purposes	▪ To introduce students to the methodology of management science as a scientific approach to managerial decision making. ▪ To impart on students the concepts, theories and techniques of a variety of management science methods. ▪ To develop students' ability and confidence in the use of management science methods for solving management decision problems.
Subject Learning Outcomes	Upon completion of the subject, students will be able to: a. Understand the methodology of management science as a scientific approach to managerial decision making. b. Understand the concepts, theories and techniques of a variety of management science methods. c. Develop the ability and confidence in the use of management science methods for solving management decision problems.
Subject Synopsis/ Indicative Syllabus	**Introduction** Management science methodology; problem solving approaches: analytic solutions, algorithms and heuristics. **Linear Programming** Formulation; graphical solution; simplex algorithm; sensitivity analysis; applications. **Transportation and Assignment Problems** Modified simplex method; Hungarian method. **Goal Programming** Model formulations; minimising weighted sum of under and overages; pre-emptive goals; applications. **Integer Programming** Formulation; Branch and Bound method; applications. **Network Models** Minimum spanning tree problems; shortest path problems; network flow problems. **Dynamic Programming** Resource allocation problems; inventory problems; formulation; applications.

<table>
<tr><td></td><td>Case Study
Application of management science models in real-life managerial decision making.</td></tr>
<tr><td>Teaching/Learning Methodology</td><td>Concepts and techniques will be introduced through lectures. Students are required to apply the knowledge and skills to analyse and solve various realistic management science problems in the form of case study. The use of relevant computer package will be encouraged.</td></tr>
<tr><td>Assessment Methods in Alignment with Intended Learning Outcomes</td><td>
<table>
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<tr><td>a</td><td>b</td><td>c</td><td></td><td></td><td></td></tr>
<tr><td>Continuous Assessment</td><td>50 %</td><td>✓</td><td>✓</td><td>✓</td><td></td><td></td><td></td></tr>
<tr><td>Examination</td><td>50 %</td><td>✓</td><td>✓</td><td>✓</td><td></td><td></td><td></td></tr>
<tr><td>Total</td><td>100 %</td><td colspan="6"></td></tr>
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Explanation of the appropriateness of the assessment methods in assessing the intended learning outcomes:

Students need to do a group case study, testing whether they know how to apply the theories learnt to some real life situations. Mid-term test and examination are also required to test their understanding and familiarity with the knowledge.

To pass this subject, students are required to obtain Grade D or above in BOTH the Continuous Assessment and Exam components.</td></tr>
<tr><td>Student Study Effort Expected</td><td>
<table>
<tr><td>Class contact:</td><td></td></tr>
<tr><td>▪ Lectures</td><td>28 Hrs.</td></tr>
<tr><td>▪ Tutorials</td><td>14 Hrs.</td></tr>
<tr><td>Other student study effort:</td><td></td></tr>
<tr><td>▪ Revision, doing exercises and cases</td><td>84 Hrs.</td></tr>
<tr><td>Total student study effort</td><td>126 Hrs.</td></tr>
</table>
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</table>

Reading List and References	***Reading List & References*** Anderson, D.R., Sweeney, D.J. and Williams, T.A., *An Introduction to Management Science: Quantitative Approaches to Decision Making*, latest ed., West Publishing Company. Assad, A.A., Wasil, E.A. and Lilien, G.L., *Excellence in Management Science Practice, Eaglewood*, Prentice-Hall, latest ed. Hillier, F.S. and Liebermann, G.J., *Introduction to Operations Research*, latest ed., McGraw-Hill. Lapin, L.L., *Quantitative Methods for Business Decisions with Cases*, latest ed., Dryden. Ravindran, A., Phillips, D.T. and Solberg, J.J., *Operations Research: principles and practice*, latest ed., John Wiley & Sons. Render, B., Stair, R.M.Jr. and Greenberg, I., *Cases and Readings in Management Science*, latest ed., Allyn and Bacon. Shogan, A.W., Management Science, Prentice-Hall, latest ed.. Taha, H.A., *Introduction to Operations Research*, latest ed., New York, Macmillan. Winston, W.L., *Operations Research: Algorithms and Applications*, latest ed., Duxbury Press. ***Journals*** Asia Pacific Journal of Operational Research Decision Sciences European Journal of Operational Research IIE Transactions Interfaces Journal of the Operational Research Society Management Science Naval Research Logistics Omega - International Journal of Management Science Operations Research OR Insight OR/MS Today

Subject Code	LGT5105
Subject Title	Managing Operations Systems
Credit Value	3
Level	5
Normal Duration	1-semester
Pre-requisite / Co-requisite/ Exclusion	Nil
Role and Purposes	This module introduces students to both the philosophy and the techniques of operations management. Students will understand the basic concepts and basic tools in operations management, and become familiar with the scientific methods used in daily management.
Subject Learning Outcomes	Upon completion of the subject, students will be able to: (a) understand the terminology of operations management. (b) understand basic concepts of various areas of operations management. (c) build up basic quantitative models that are used for decision-making in operations management, including assumptions and limitations of the models.
Subject Synopsis/ Indicative Syllabus	**Introduction to Operations System** The concepts, the operations functions and its relation with other business functions. **Quality Management and Quality Control** Total quality management; quality measurement; quality cost; quality inspection; statistical quality control. **Business Process Design and Reengineering** Process concept; process design method; process effectiveness and efficiency; business process reengineering. **Forecasting** Objective of forecasting; logic of forecasting; qualitative and quantitative methods for forecasting; measurement and monitoring of forecasting systems. **Capacity Planning** Strategic capacity planning; equipment management; concept of total cost of ownership; volume analysis; breakeven models; decision tree analysis. **Facility Location and Layout** Factors affecting location decisions; methods for analysing location problems; facility layout problems and decision analysis in manufacturing and service sectors.

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Inventory Management
Functions and costs of inventory management; ABC analysis; economic ordering quantity model; vendor managed inventory system; inventory replenishment systems.

Just-in-Time Systems
Philosophy and concept of JIT systems; pulling versus pushing production system; JIT in service industry.

Supply Chain Management
Concept of supply chain management; information coordination; cost and benefit of postponement; quick response; worldwide sourcing.

Project Management

Project and its working team; project break down; Gantt charts; project time and cost; critical tasks in projects.

</td></tr>
<tr><td>Teaching/Learning Methodology</td><td>Concepts and techniques will be introduced through lectures. Students are required to apply the knowledge and skills to analyse and solve various realistic operations management problems in the form of case studies.</td></tr>
<tr><td>Assessment Methods in Alignment with Intended Learning Outcomes</td><td>

<table>
<tr><td rowspan="2">Specific assessment methods/tasks</td><td rowspan="2">% weighting</td><td colspan="6">Intended subject learning outcomes to be assessed (Please tick as appropriate)</td></tr>
<tr><td>a</td><td>b</td><td>c</td><td></td><td></td><td></td></tr>
<tr><td>1. Coursework</td><td>50 %</td><td>✓</td><td>✓</td><td>✓</td><td></td><td></td><td></td></tr>
<tr><td>2. Examination</td><td>50 %</td><td>✓</td><td>✓</td><td>✓</td><td></td><td></td><td></td></tr>
<tr><td>Total</td><td>100 %</td><td colspan="6"></td></tr>
</table>

Explanation of the appropriateness of the assessment methods in assessing the intended learning outcomes:

Students need to do a group case study, testing whether they know how to apply the theories learnt to some real life situations. Mid-term test and examination are also required to test their understanding and familiarity with the knowledge.

To pass this subject, students are required to obtain Grade D or above in BOTH the Continuous Assessment and Exam components.

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Student Study Effort Expected	Class contact:	
	▪ Lectures	28 Hrs.
	▪ Tutorials	14 Hrs.
	Other student study effort:	
	▪ Reading and doing exercises	84 Hrs.
	Total student study effort	126 Hrs.
Reading List and References	*Books* Jacobs F.R., Chase, R.B. and Aquilano, N.J., *Operations & Supply Chain*, latest ed., McGraw Hill. Cheng, T.C.E. and Podolsky, S. (1996), *Just-in-time manufacturing: An introduction*, Chapman & Hall. Davis M.M., Aquilano N.J. and Chase R.B., *Fundamentals of Operations Management*, latest ed., McGraw Hill. Heyl, J. E., Bushnell, J.L. and Stone, L.A. (1994), *Cases in operations management*, Addison-Wesley. Johnston, R. (2003), *Cases in operations management*, Finance Times Prentice Hall. Russell R.S. and Taylor B.W., *Operations Management*, latest ed., Prentice Hall. Shafer, S.M. and Meredith, J.R. (1997), *Operations management*, Willy. Stevenson W.J., *Operations Management*, latest ed., McGraw Hill. Whybark, D.C. (1989), *International Operations management*, Irwin. *Journals* International Journal of Operations and Production Management Journal of Operations Management Management Science	

Subject Code	LGT5113
Subject Title	Enterprise Resource Planning
Credit Value	3
Level	5
Normal Duration	1-semester
Pre-requisite / Co-requisite/ Exclusion	Nil
Role and Purposes	To enable students to: • Understand the basic concepts and issues of ERP systems; • be able to discuss issues in the current IT environment for ERP systems; and • Develop students' ability and confidence in planning and executing ERP projects. • Be familiar with the basic usage of ERP systems
Subject Learning Outcomes	Upon completion of the subject, students will be able to: a. A grasp of basic concepts and issues of ERP systems b. A basic understanding of the adoption of ERP systems to enhance operational efficiency c. A basic understanding of ERP planning and implementation d. A grasp of basic functions and usages of ERP systems

Subject Synopsis/ Indicative Syllabus

Topics	Sub-topics	Tutorial Topics
Introduction to ERP, and System and Technology Background	Introduction to the course Introduction to ERP and ERP Life Cycle	Tutorial 1: SAP Demonstration, UAC Registration, Opening Survey
	ERP Market Awareness-History, Present, and Future	Tutorial 3: SAP Startup and Navigation
Business Process Management and ERP	Business Functions and Business Process Business Process Modelling	Tutorial 2: Business Process Modeling
Management with ERP systems (Part 1)	Business Data Management in ERP	Tutorial 4: Master Data in SAP
	Sales and marketing management with ERP	Tutorials 5&6: Sales and Distribution in SAP (1)(2)
	Accounting and finance management with ERP	Tutorial 6: Accounting and Controlling in SAP
ERP Life Cycle (Part 1)	ERP Initiatives	
	ERP Selection	
Management with ERP systems (Part 2)	Procurement management with ERP	Tutorial 7: Material Management in SAP
	Production Management with ERP	Tutorial 8: Production Planning in SAP
ERP Life Cycle (Part 2)	ERP Implementation	
Project Presentation and Course Review	ERP After-Implementation	
	Course Review	

Teaching/Learning Methodology

- During lectures, basic concepts of ERP and ERP systems will be introduced, and case studies will be discussed.
- During tutorials, students will be guided to practice applications and usages of ERP systems in a computer lab.

Assessment Methods in Alignment with Intended Learning Outcomes

Specific assessment methods/tasks	% weighting	Intended subject learning outcomes to be assessed					
		a	b	c	d		
1. Coursework	50%		✓	✓	✓		
2. Examination	50%	✓	✓	✓			
Total	100 %						

Explanation of the appropriateness of the assessment methods in assessing the intended learning outcomes:

The coursework includes a series of tutorial exercises of using ERP systems, assignments and case studies, and a group project about ERP implementation in real business. They are used to assess the intended outcomes 1-4. The final exam is based on questions relevant to basic concepts of ERP and a case study about the ERP life cycle, which are relevant to intended outcomes 1-3.

To pass this subject, students are required to obtain Grade D or above in BOTH the Continuous Assessment and Exam components.

Student Study Effort Expected

Class contact:	
▪ Lecture	28 Hrs.
▪ Tutorials	14 Hrs.
Other student study effort:	
▪ Group Project	42 Hrs.
▪ Self-Study	42 Hrs.
Total student study effort	126 Hrs.

Reading List and References	Monk, Ellen and Wagner, Bret J., *Concepts in Enterprise Resource Planning*, 3rd Edition, Course Technology Cengage Learning, 2009 O'Leary, Daniel E., *Enterprise Resource Planning Systems: Systems, Life cycle, Electronic Commerce, and Risk*, Cambridge University Press, 2000 Buck-Emden, R., *The SAP R/3 System, An Introduction to ERP and Business Software Technology*, Addison-Wesley, 2000. Curran, T. A. Ladd, A., *Business Blueprint: Understanding Enterprise Supply Chain Management,* Prentice Hall, 2000. Curran, T. A., Ladd, A. and Ladd, D., *SAP R/3, Reporting & eBusiness Intelligence*, Prentice Hall, 2000. Norris G., Hurley, J., Hartley, K. Dunleavy, J. Balls, J., *E-Business and ERP: Transforming the Enterprise*, New York: John Wiley, 2000. Wyzalek, J., *Enterprise Systems Integration*, Auerbach Publications, 2000.

Subject Code	LGT5122
Subject Title	Applications of Decision Making Models
Credit Value	3
Level	5
Normal Duration	1-semester
Co-requisite	Models for Decision Making (LGT5102)
Role and Purposes	To impart on students the skills in applying the concepts, theories and techniques of a variety of management science methods. To develop students' ability and confidence in solving management decision problems, particularly paying attention to the practical considerations.
Subject Learning Outcomes	Upon completion of the subject, students will be able to: a. Understand the range of practical application of management decision analysis techniques, the characteristics of successful application, and the limitations of the techniques. b. Develop skills in analyzing complex operations problems, using quantitative techniques as appropriate. c. Tackle a management decision situation from different angles of view, hence develop the creative thinking and be more critical to evaluate the outcomes of different decisions.
Subject Synopsis/ Indicative Syllabus	Decision scope: find out a clear scope of decision required. How to evaluate different decisions: identify the objectives; there may be conflicting objectives. Model the situation: search for appropriate analytical or heuristic methods to solve the problem; understand the limitations of each method. Analysis of results: cost and benefits analysis; sensitivity analysis.
Teaching/Learning Methodology	Mainly through small group discussions. Students will be guided throughout the discussion process, particularly addressing on the following issues: 1. How to start to tackle a complicated situation? 2. How to understand the data given and link up the relationship among data? 3. Point out mistakes when applying different methods. 4. How to apply what they have learnt in other subjects to a real situation?

Assessment Methods in Alignment with Intended Learning Outcomes

Specific assessment methods/tasks	% weighting	Intended subject learning outcomes to be assessed					
		a	b	c			
Continuous Assessment*	**100%**						
2 Group cases	40%	✓	✓	✓			
1 Individual case	30%	✓	✓	✓			
Class participation	30%	✓	✓	✓			
Total	100 %						

**Weighting of assessment methods/tasks in continuous assessment may be different, subject to each subject lecturer.*

To pass this subject, students are required to obtain Grade D or above in the Continuous Assessment components.

Explanation of the appropriateness of the assessment methods in assessing the intended learning outcomes:

This subject will be dealing with cases in every session and students will learn through undergoing this process. There is no examination in this subject. Therefore performance in class through participating in discussion is most important and is allocated with the most major part in the assessment. There will also be 2 group case studies to be assessed. But in order to distinguish more on the individual effort, there is another individual case study.

Student Study Effort Expected

Class contact:	
▪ Small group discussions	28 Hrs.
▪ Lectures	14 Hrs.
Other student study effort:	
▪ Preparation for lectures	42 Hrs.
▪ Preparation for assignment / group project and presentation	42 Hrs.
Total student study effort	126 Hrs.

Reading List and References	Hillier F.S. & Hillier M.S., Introduction to Management Science: A Modeling And Case Studies Approach With Spreadsheets, latest ed. Klassen, R. D., Menor, L. J., Cases in Operations Management, Sage publication, 2006 Lapin L.L. and Whisler W.D., *Cases in Management Science*, Duxbury, 1996 *Journals* Asia Pacific Journal of Operational Research Decision Sciences European Journal of Operational Research IIE Transactions Interfaces Journal of the Operational Research Society Management Science Naval Research Logistics Omega - International Journal of Management Science Operations Research OR Insight OR/MS Today

Subject Code	LGT5131
Subject Title	Warehousing and Materials Management
Credit Value	3
Level	5
Normal Duration	1-semester
Exclusion	ISE512 Warehousing and Material Handling Systems
Role and Purposes	To provide students with the methods and tools necessary for the design and management of warehousing, materials handling systems, and inventory control. In particular, this subject emphasizes aspects of logistics and supply chain management in warehousing, the handling of products, and control of inventories. On completion students will be able to both analyze existing systems and recommend improvement solutions.
Subject Learning Outcomes	Upon completion of the subject, students will be able to: a. Design and manage warehousing, material handling and inventory control systems. b. Improve existing warehousing, material handling and inventory control systems.
Subject Synopsis/ Indicative Syllabus	Materials handling systems and their objectives: cost reduction, increased productive capacity and better working conditions. Types of handling equipment in manufacturing and warehousing: conveyors, cranes, hoists, and trucks. Their advantages and limitations. Automatic guided vehicles (AGV), Automatic storage and retrieval systems (AS/RS); Critical analysis and measuring the efficiency of existing systems. The unit load concept. Selection of the most appropriate equipment in particular situations. Integration with warehousing systems. Economic analysis of different systems. Planning, layout and design of different types of warehouses. Automation and IT systems in warehouses and materials handling computer systems. Inventory planning and control. Advanced EOQ models and safety stock. Fixed order quantity inventory control. Fixed order cycle inventory control. Just-in-time scheduling.
Teaching/Learning Methodology	Concepts, theories and key issues will be introduced to students in lectures. Case studies will be used to illustrate some application aspects and to stimulate discussions leading to context-specific knowledge. Students are required to apply the knowledge to analyze some contemporary issues.

Assessment Methods in Alignment with Intended Learning Outcomes

Specific assessment methods/tasks	% weighting	Intended subject learning outcomes to be assessed					
		a	b				
Continuous Assessment	50%	✓	✓				
Examination	50%	✓	✓				
Total	100 %						

Explanation of the appropriateness of the assessment methods in assessing the intended learning outcomes:

The achievement of the two learning outcomes will be dependent on students' knowledge in conceptual theories and ability to apply certain quantitative techniques.

Since examination is effective in assessing the knowledge level in conceptual theories and continuous assessment (including assignments and projects) is effective in assessing the ability in applying techniques, both methods will be needed to assess the two outcomes of this subject.

To pass this subject, students are required to obtain Grade D or above in BOTH the Continuous Assessment and Exam components.

Student Study Effort Expected

Class contact:	
▪ Lectures	28 Hrs.
▪ Seminars	14 Hrs.
Other student study effort:	
▪ Preparation for lectures and seminars	42 Hrs.
▪ Preparation for assignments/projects	42 Hrs.
Total student study effort	126 Hrs.

Reading List and References	Wood, D.F., Wardlow, D.L., Murphy, P.R., Johnson, J.C., (the latest edition) *Contemporary Logistics*, Prentice Hall, Upper Saddle River, N.J. Frazelle, E., (the latest edition) *World-Class Warehousing and Material Handling*, McGraw-Hill, Boston. Render, B., Stair, R.M. Jr., (the latest edition) *Quantitative Analysis for Management*, Prentice-Hall. Francis, R.L., McGinnis, L., and White, J.A., (the latest edition) *Facility Layout and Location: An analytical Approach*, Prentice-Hall, Englewood Cliffs, NJ. Mulcahy, D., (the latest edition) *Warehouse Distribution & Operations Handbook*, McGraw-Hill, Boston. Ackerman, K.B., (the latest edition) *Practical Handbook of Warehousing*, Chapman & Hall, New York Stephens, M.P., Meyers, F.E., (the latest edition) *Manufacturing Facilities Design and Material Handling*, Prentice Hall.

Subject Code	LGT5152
Subject Title	Information Systems for Supply Chain Management
Credit Value	3
Level	5
Normal Duration	1-semester
Exclusion	ISE527 Logistics Information Systems
Role and Purposes	The objective of this subject is to better prepare the student to meet the following challenges: • Understand the managerial issues concerning the integration of information systems and supply chain management. • Provide solutions to the issues which are relevant to the design, management and improvement of IT-enabled supply chain systems. • Exploit the inherent capabilities of operations, supply chain and information systems, and weave them into an integrated strategy capable of providing competitive advantage for the enterprise.
Subject Learning Outcomes	Upon completion of the subject, students will be able to: a. To demonstrate a clear and relevant understanding of the definitions, importance, potential benefits, and structures of information technology and systems not only from a technical point of view, but also from organizational and management perspectives. b. Being able to illustrate how the management of supply chains can be enhanced through the use of a number of information technologies and systems. c. To put together the concepts and tools studied in class to develop best practices of information technology and systems in managing supply chains for real business.

<table>
<tr><td>Subject Synopsis/ Indicative Syllabus</td><td>
<table>
<tr><th>Topics</th><th>Sub-topics</th></tr>
<tr><td rowspan="2">Basic Concepts on Information Systems and Supply Chain Management</td><td>Course Introduction</td></tr>
<tr><td>Information systems for global business</td></tr>
<tr><td>Information Technology Infrastructure of Information Systems for Supply Chain Management</td><td>IT Fundamentals on hardware and software, networks, and database</td></tr>
<tr><td>Strategic impact of information systems</td><td>Information Resources, Strategic value of IS: Porter’s Generic Model, Five Force’s Model, Value Chain Model, IS for Hyper-competition</td></tr>
<tr><td rowspan="3">Key Applications of Information Technology & Information Systems for Supply Chain Management (1)</td><td>Data Processing for Supply Chain Management: RFID, EDI, Data Management</td></tr>
<tr><td>Achieving Operational Excellence: SRM, ERP, CRM</td></tr>
<tr><td>E-Commerce: Digital Markets, Digital Goods</td></tr>
<tr><td rowspan="2">Information Systems Project: Development and Management</td><td>Designing and Building Information Systems</td></tr>
<tr><td>IS Project Management</td></tr>
<tr><td>Key Applications of Information Technology & Information Systems for Supply Chain Management (2)</td><td>Enhancing Decision Making: Business Intelligence and Decision Support System</td></tr>
<tr><td>Project Presentation and Course Review</td><td></td></tr>
</table>
</td></tr>
<tr><td>Teaching/Learning Methodology</td><td>

During lectures, basic concepts of ERP and ERP systems will be introduced.
During tutorials, students will be guided to discuss case studies will be discussed.

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</table>

Assessment Methods in Alignment with Intended Learning Outcomes

Specific assessment methods/tasks	% weighting	Intended subject learning outcomes to be assessed					
		a	b	c			
Coursework	50%		✓	✓			
Examination	50%	✓	✓				
Total	100 %						

Explanation of the appropriateness of the assessment methods in assessing the intended learning outcomes:

The coursework includes assignments of case studies, and a group project. They are used to assess the intended outcomes 2 and 3 respectively. The final exam is based on questions relevant to basic concepts of ERP and a case study about information system management, which are relevant to intended outcomes 1 and 2.

To pass this subject, students are required to obtain Grade D or above in BOTH the Continuous Assessment and Exam components.

Student Study Effort Expected

Class contact:	
▪ Lecture	28 Hrs.
▪ Tutorial	14 Hrs.
Other student study effort:	
▪ Assignment and Self Study	42 Hrs.
▪ Group Project	42 Hrs.
Total student study effort	126 Hrs.

Reading List and References	Laudon, K.C., and Laudon, J.P., Management Information Systems : Managing the Digital Firm, 12th Edition, Pearson/Prentice Hall, 2012 Technology Forecast: 2002-2004, Volume 1 Navigating the Future of Software, PriceWaterhouseCoopers, 2002. Handbook of Quantitative Supply Chain Analysis: Modeling in the E-Business Era (International Series in Operations Research & Management Science) by David Simchi-Levi (Editor), et al. 2004. Managing the Supply Chain: The Definitive Guide for the Business Professional by David Simchi-Levi, et al., (2003). Manufacturing planning and control systems for supply chain management : The Definitive Guide for Professionals by Thomas E Vollmann, et al, 2004. New Directions in Supply-Chain Management: Technology, Strategy, and Implementation by Tonya Boone (Editor), Ram Ganeshan (Editor) 2002. ERP:Making It Happen: The Implementers' Guide to Success with Enterprise Resource Planning by Thomas F. Wallace, Michael H. Kremzar, 2001.

Subject Code	LGT5201
Subject Title	Dissertation
Credit Value	9
Level	5
Normal Duration	1 academic year (two 14-week semesters and one 7-week summer term)*
Exclusion	Project (LGT5202)
Role and Purposes	The objectives for the whole dissertation subject are: ▪ To examine critically and in-depth a focused topic of interest arising, ideally, from the work done within the programme and/or in the student's employment and to make integrative linkages between classroom learning and work experience; ▪ To demonstrate the use of relevant scientific and analytical methods and practical skills, including those acquired during the programme, in the treatment of the chosen topic; ▪ To demonstrate an understanding of relevant research literature in the dissertation topic-area; ▪ To demonstrate an ability to set the chosen topic in its wider context, to sustain an argument, and to present conclusions related to policies or practices. The subject includes a research methodology class to equip students with the basic skills and techniques for conducting research for a higher degree.
Subject Learning Outcomes	Upon completion of the subject, students will be able to: a. Identify a research problem in real world and write research proposals. b. Conduct literature review on issues related to the problem areas. c. Apply appropriate research methodologies with sound academic rigor in data collection, analysis and interpretation of the research findings. d. Deduce the solutions to the identified problems scientifically and understand the limitations. e. Communicate the research results effectively.

<table>
<tr><td>Subject Synopsis/ Indicative Syllabus</td><td>Why do research? What is good research? Scientific thinking – styles of thinking, the thought process, the scientific attitude; What makes an investigation scientific? What can empirical research do? The necessity of knowing the purpose of research; The ethics of research; Qualitative and quantitative approaches; Variable, Parameter, Assumption, Theory, Model, Hypothesis, Ideal causal-study design; Case-study descriptive research; Classification research; Measurement and estimation; Comparison; Research trying to find relationships; Investigating cause and effect; Mapping structures; Evaluation research; Questionnaire design; Interview; Survey; Sampling methods; Some principles of measurement – reliability and validity; Data analysis and interpretation; Writing Scientific Reports: Research report components and structure; Presentation of statistics; Plagiarism.</td></tr>
<tr><td>Teaching/Learning Methodology</td><td>Guided study programme on research methodology equivalent to 1 credit value.

Student-centred activities in the form of investigational/research work, literature review, data collection, data analysis and interpretation according to the requirements specified in the Guidelines for Dissertation (LGT5201)/Project (LGT5202) for MScISTL. The effort of these activities should be equivalent to 8 credit values.</td></tr>
<tr><td>Assessment Methods in Alignment with Intended Learning Outcomes</td><td>
<table>
<tr><td rowspan="2">Specific assessment methods/tasks</td><td rowspan="2">% weighting</td><td colspan="6">Intended subject learning outcomes to be assessed</td></tr>
<tr><td>a</td><td>b</td><td>c</td><td>d</td><td>e</td><td></td></tr>
<tr><td>Coursework</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr>
<tr><td>Dissertation assessed by supervisor</td><td>45%</td><td>✓</td><td>✓</td><td>✓</td><td>✓</td><td>✓</td><td></td></tr>
<tr><td>Dissertation assessed by moderator</td><td>35%</td><td>✓</td><td>✓</td><td>✓</td><td>✓</td><td>✓</td><td></td></tr>
<tr><td>Viva voce</td><td>20%</td><td>✓</td><td>✓</td><td>✓</td><td>✓</td><td>✓</td><td></td></tr>
<tr><td>Total</td><td>100 %</td><td colspan="6"></td></tr>
</table>

[This new % weighting will be effective for students newly registered on this subject starting from Semester 2 of 2011/12.]

Explanation of the appropriateness of the assessment methods in assessing the intended learning outcomes:

In order to have objective and comprehensive assessment on the student’s research work in the form of dissertation, the Final Dissertation will be assessed by the supervisor and by a moderator who is appointed by the Dissertation/ Project Co-ordinator.</td></tr>
</table>

	In addition to these two assessments, students pursuing a Dissertation will also be appraised at the Oral Presentation (Viva Voce) by a selected panel consisting of the supervisor, the moderator and a 3rd panel member, who is also appointed by the Dissertation/ Project Co-ordinator. All the assessment criteria are set out in the Guidelines for Dissertation (LGT5201)/Project (LGT5202) for MScISTL. Finally, all these marks are combined and the final grade for the Subject LGT5201 Dissertation is to be determined by the Dissertation Co-ordinator according to the assessment weighting set out in the Guidelines for Dissertation (LGT5201)/Project (LGT5202) for MScISTL. *To pass this subject, students are required to obtain Grade D or above in the Continuous Assessment*.	
Student Study Effort Expected	Other student study effort:	
	▪ Research work	400 Hrs.
	Total student study effort	400 Hrs.
Reading List and References	Remenyi, D., Field methods for academic research : interviews, focus groups and questionnaires in business and management studies , Academic Publishing International , 2011. **Grigoroudis, Evangelos. Customer satisfaction evaluation methods for measuring and implementing service quality , SpringerLink e-books, Springer , 2010.** *Stokes, Peter, Key concepts in business and management research methods, Palgrave Macmillan , 2011.* **Remenyi, D., Field methods for academic research : interviews, focus groups and questionnaires in business and management studies , Academic Publishing International , 2011.** **Bryman, Alan. Business research methods , Oxford University Press , 2011 , 3rd Edition.** **Crowther, David.** Research methods : a concise introduction to research in management and business consultancy **,** Butterworth-Heinemann , 2009 , 2nd **Edition.** **Eriksson, Päivi,** Qualitative methods in business research **,** SAGE Publications , 2008**.**	

Subject Code	LGT5202
Subject Title	Project
Credit Value	6
Level	5
Normal Duration	1 academic year (two 14-week semesters and one 7-week summer term)*
Exclusion	Dissertation (LGT5201)
Role and Purposes	To create an opportunity for the application of concepts and techniques acquired during the taught programme, in a management practitioner environment, in order to complete the formal learning experience, and to be of use to the sponsor. Concepts and techniques: ▪ To provide a testing ground for concepts presented in the taught programme. ▪ To serve as a basis for developing new concepts not covered in the literature. ▪ Management practitioner environment: ▪ Individual students or groups are involved in the development of a practical solution to a business problem provided by the sponsor; or based on a realistic case study. ▪ To provide the opportunity to identify and explore aspects of purchasing and supply management practice in specific organisational contexts. ▪ To relate the above to the knowledge and perspectives acquired during the course programme. ▪ Personal learning experience: ▪ To develop and test the students' ability to produce a coherent and extended account on a topic of considerable conceptual content. ▪ To provide an elective topic of interest to the student and his/her organisation, additional to the taught course subjects.

<table>
<tr><td>Subject Learning Outcomes</td><td>Upon completion of the subject, students will be able to:
a. Identify a research problem in real world and write research proposals.
b. Conduct literature review on issues related to the problem areas.
c. Apply appropriate research methodology in data collection, analysis and interpretation research findings.
d. Deduce the solutions to the identified problems scientifically and understand the limitations.
e. Communicate the research results effectively.</td></tr>
<tr><td>Subject Synopsis/ Indicative Syllabus</td><td>Why do research? What is good research? Scientific thinking – styles of thinking, the thought process, the scientific attitude; What makes an investigation scientific? What can empirical research do? The necessity of knowing the purpose of research; The ethics of research; Qualitative and quantitative approaches; Variable, Parameter, Assumption, Theory, Model, Hypothesis, Ideal causal-study design; Case-study descriptive research; Classification research; Measurement and estimation; Comparison; Research trying to find relationships; Investigating cause and effect; Mapping structures; Evaluation research; Questionnaire design; Interview; Survey; Sampling methods; Some principles of measurement – reliability and validity; Data analysis and interpretation; Writing Scientific Reports: Research report components and structure; Presentation of statistics; Plagiarism.</td></tr>
<tr><td>Teaching/Learning Methodology</td><td>Guided study programme on research methodology equivalent to 1 credit value.
Student-centred activities in the form of investigational/research work, literature review, data collection, data analysis and interpretation according to the requirements specified in the Guidelines for Dissertation (LGT5201)/Project (LGT5202) for MScISTL. The effort of these activities should be equivalent to 5 credit values.</td></tr>
<tr><td>Assessment Methods in Alignment with Intended Learning Outcomes</td><td>
<table>
<tr><td rowspan="2">Specific assessment methods/tasks</td><td rowspan="2">% weighting</td><td colspan="6">Intended subject learning outcomes to be assessed</td></tr>
<tr><td>a</td><td>b</td><td>c</td><td>d</td><td>e</td><td></td></tr>
<tr><td>Coursework</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr>
<tr><td>Project assessed by supervisor</td><td>60%</td><td>✓</td><td>✓</td><td>✓</td><td>✓</td><td>✓</td><td></td></tr>
<tr><td>Project assessed by moderator</td><td>40%</td><td>✓</td><td>✓</td><td>✓</td><td>✓</td><td>✓</td><td></td></tr>
<tr><td>Total</td><td>100 %</td><td colspan="6"></td></tr>
</table>
[This new % weighting will be effective for students newly registered on this subject starting from Semester 2 of 2011/12.]</td></tr>
</table>

<table>
<tr><td></td><td colspan="2">Explanation of the appropriateness of the assessment methods in assessing the intended learning outcomes:

In order to have objective and comprehensive assessment on the student's research work in the form of project work, the Final Project Report will be assessed by the supervisor and by a moderator who is appointed by the Dissertation/ Project Co-ordinator. The assessement criteria are set out in the Guidelines for Dissertation (LGT5201)/Project (LGT5202) for MScISTL.

Finally, all these marks are combined and the final grade for the Subject LGT5202 Project is to be determined by the Dissertation/Project Co-ordinator according to the assessment weighting set out in the Guidelines for Dissertation (LGT5201)/Project (LGT5202) for MScISTL.

To pass this subject, students are required to obtain Grade D or above in the Continuous Assessment.</td></tr>
<tr><td rowspan="3">Student Study Effort Expected</td><td>Other student study effort:</td><td></td></tr>
<tr><td>▪ Research work</td><td>270 Hrs.</td></tr>
<tr><td>Total student study effort</td><td>270 Hrs.</td></tr>
<tr><td>Reading List and References</td><td colspan="2">Remenyi, D., Field methods for academic research : interviews, focus groups and questionnaires in business and management studies , Academic Publishing International , 2011.

Grigoroudis, Evangelos. Customer satisfaction evaluation methods for measuring and implementing service quality , SpringerLink e-books, Springer , 2010.

Stokes, Peter, Key concepts in business and management research methods, Palgrave Macmillan , 2011.

Remenyi, D., Field methods for academic research : interviews, focus groups and questionnaires in business and management studies , Academic Publishing International , 2011.

Bryman, Alan. Business research methods , Oxford University Press , 2011 , 3rd Edition.</td></tr>
</table>

Subject Code	LGT5222
Subject Title	Maritime Industry Internship
Credit Value	6 Training Credits
Level	5
Normal Duration	240 hours
Pre-requisite / Co-requisite/ Exclusion	Nil
Role and Purposes	Maritime Industry Internship (MII) is work-based learning experiences which take place in a maritime organizational context relevant to a student's future profession, or the development of generic skills that will be valuable in maritime profession.
Subject Learning Outcomes	Upon completion of the subject, students will be able to: a. Areas of Personal Development ▪ Appreciate his/her own learning and development needs and chart his/her learning and development plan for the next 3-5 years; ▪ Make informed choices/preferences for his/her career and formulate a suitable plan for achieving it. b. Areas of Workplace Appreciation ▪ Understand the issues involved in the practical application of the skills, knowledge and information in the maritime context; ▪ Appreciate the requirements and demands of the real-world work environment, especially in the maritime industry where MII was done so as to facilitate the smooth transition to full-time employment after graduation; ▪ Evaluate factors in organizational culture that influences sustainable competitive advantage, excellence, and progress. c. Areas of Key Skills ▪ Develop strategic approaches to anticipate and handle challenges; ▪ Analyze problems and strategize solutions; ▪ Communicate effectively and confidently; ▪ Work effectively in teams as well as lead small groups.

Subject Synopsis/ Indicative Syllabus

Requirements of MII

- 2 MII credits are equivalent to 80 hours work, so that the 6-credit requirement demands 240 hours work, approximately equivalent to 6 weeks of full-time internship engagement.
- MII credits may be granted for a minimum of 80 hours work (i.e. on a 2-credit basis).
- All work for MII credit must be structured and measurable, where structured means that objectives are set for the work experience before it begins and measurable means that the attainment of those objectives is monitored and attested to by the student's employer.
- All work for MII credits must take place in maritime organizational context relevant to the MScISTL programme for which students are enrolled, OR must demonstrate that it develops generic transferable skills relevant to that programme.
- MII credits can be achieved through full-time, part-time, or project work done locally or overseas.

Information on MII

- The MII Coordinator, who is usually the Programme Director or Manager, will be monitoring the student's progress and performance in the internship placement.
- Students should contact the MII Coordinator for assistance should they have questions and queries.

Teaching/Learning Methodology

MII facilitates the integration of knowledge, skills, and competences between the classroom and the real-world, thus equipping students with valuable work experience as well as practical readiness for full-time employment upon graduation.

Assessment Methods in Alignment with Intended Learning Outcomes

Specific assessment methods/tasks	% weighting	Intended subject learning outcomes to be assessed					
		a	b	c	d	e	
Assessment Report	100%	✓	✓	✓			
Total	100 %						

Explanation of the appropriateness of the assessment methods in assessing the intended learning outcomes:

MII Assessments

Assessment of MII will be based on an Assessment Report （attached as Appendix） prepared by the student and his employer concerned. The report will cover the following aspects

	▪ An initial statement from the student on the objectives and duration of the work; and ▪ A self-evaluation / reflection from the student; and ▪ A statement from the student's employer confirming the duration of the work and satisfactory performance. The final grade will be on a Pass/Fail basis decided by the MII Coordinator, based on the Assessment Report.	
Student Study Effort Expected	Class contact:	
	▪ Full-time internship	240 Hrs.
	Other student study effort:	
	▪ Assessment Report	40 Hrs.
	Total student study effort	280 Hrs.
Reading List and References	Sweitzer, F. and King, M. A.. (2009). The Successful Internship. Brooks Cole.	

Subject Code	MM501
Subject Title	Research Methods
Credit Value	3
Level	5
Normal Duration	1-semester
~~Pre-requisite/~~ ~~Co-requisite/~~ Exclusion	Research and Consultancy Techniques for CRE (BRE501) and Business Research Methods (MM5011)
Role and Purposes	This subject provides students with an opportunity to learn about the use of scientific research as a problem solving tool, and enables them to equip with the adequate knowledge and practical skills that are often required to conduct independent research in business and management fields. Specifically, this subject enables students: 1. To understand the processes of research in the management and operation of the public and private sectors, and the various approaches that are used in that research; 2. To critically review published material and other research and consultancy reports; 3. To equip with the necessary skills required to undertake a substantial supervised research project at a Master's degree level; 4. To experience the process of preparing a properly constructed proposal for a research project.
Subject Learning Outcomes	Upon completion of the subject, students will be able to: a. appreciate different research paradigms; b. formulate theoretically grounded research questions; c. exhibit skills essential to the planning and conduct of rigorous research; d. demonstrate familiarity with the concepts of validity and reliability in research; e. design appropriate sampling strategies, as well as collect, analyze and interpret data in diverse research settings; f. demonstrate a systematic understanding of the range of advanced research techniques, be able to critically evaluate these techniques and apply them appropriately; g. appraise the ethical implications of implementing research programmes; h. identify the range of channels for disseminating research and demonstrate the ability to communicate research findings effectively, both orally and in written form, to the business research and practitioner communities.

Subject Synopsis/ Indicative Syllabus	**Introduction to Research** Overview of management research: basic, applied and action research. Exploratory, descriptive and causal research. Evaluations studies. Basic research paradigms: positivism and the scientific method; phenomenology and qualitative methodologies. **The Research Process** The research process. The research proposal. **Research Problems and Literature Review** Identifying and defining a research topic: the literature review. **Theoretical Framework and Hypothesis Development** The nature of theory: concepts, variables, the theoretical framework, hypotheses; deduction and induction; the nature of causality in the social sciences; dependent and independent variables. **Measurement** Measurement: types of scales; concepts and their dimensions; variables; Likert and other scales; validity and reliability; use of existing scales. **Data Collection Methods and Sampling** Questionnaire design; ways of administering questionnaires; survey and sampling methods; causes of bias in surveys; causal and correlational studies; experimental designs; internal and external validity; quasi experiments. Exploratory research: reasons for and methods. Qualitative research: ethnography; grounded theory; problems of data collection and analysis; analytical versus statistical generalizability. Case study research: the study questions, propositions, units of analysis, criteria for interpreting the findings; qualitative and quantitative aspects; evaluation as an example of case studies. **Data Analysis and Interpretation** Data analysis and interpretation; basic concepts involved in statistical analysis; outline of the use of some multivariate statistics. **The Research Report** Purposes; audience; characteristics of a well-written report; integral parts of the report. **Research Ethics** The politics of management research; stakeholders; access to information The ethics of management research; the PolyU's requirements. Plagiarism in academic writing and how to avoid it.

<table>
<tr><td>Teaching/Learning Methodology</td><td>Lectures cover the core principles and concepts of the subject syllabus. Seminars are structured to enhance students' understanding of relevant concepts through various kinds of activities, including presentation and discussion. Occasionally various staff members will visit the class to discuss on-going research projects with which they are involved.</td></tr>
<tr><td>Assessment Methods in Alignment with Intended Learning Outcomes</td><td>
<table>
<tr><td rowspan="2">Specific assessment methods/tasks</td><td rowspan="2">% weighting</td><td colspan="8">Intended subject learning outcomes to be assessed</td></tr>
<tr><td>a.</td><td>b.</td><td>c.</td><td>d.</td><td>e.</td><td>f.</td><td>g.</td><td>h.</td></tr>
<tr><td>Continuous Assessment*</td><td>100%</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr>
<tr><td>1. Individual assignment</td><td>20%</td><td></td><td>✓</td><td></td><td></td><td></td><td></td><td></td><td></td></tr>
<tr><td>2. Group reports</td><td>50%</td><td></td><td>✓</td><td>✓</td><td>✓</td><td>✓</td><td>✓</td><td>✓</td><td>✓</td></tr>
<tr><td>3. Presentation</td><td>10%</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>✓</td></tr>
<tr><td>4. Peer assessment</td><td>10%</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>✓</td></tr>
<tr><td>5. Class participation</td><td>10%</td><td></td><td></td><td></td><td></td><td></td><td>✓</td><td></td><td></td></tr>
<tr><td>Total</td><td>100 %</td><td colspan="8"></td></tr>
</table>
*Weighting of assessment methods/tasks in continuous assessment may be different, subject to each subject lecturer.
To pass this subject, students are required to obtain Grade D or above in the Continuous Assessment components.
Explanation of the appropriateness of the assessment methods in assessing the intended learning outcomes: the various methods are designed to ensure that all students taking this subject –
Individual assignment – Students are required to submit an individual work by addressing the core principles and concepts of the subject syllabus.
Group reports and presentation – Students are required to prepare two interim reports, a final report, and present their work by applying their subject knowledge and demonstrating their research skills.
Class participation – Feedback is given to students immediately following the presentations. All students are invited to join this discussion to demonstrate their understandings of the core principles and concepts of the subject syllabus.
</td></tr>
</table>

Student Study Effort Expected	Class contact:	
	▪ Lectures	42 Hrs.
	Other student study effort:	
	▪ Preparation for lectures	42 Hrs.
	▪ Preparation for assignment / group project and presentation	84 Hrs.
	Total student study effort	168 Hrs.
Reading List and References	<u>*Recommended Textbooks*</u> Ghauri, P. and Gronhaug, K. (2010). *Research Methods in Business Studies* (4th edition). London: Financial Times Prentice Hall. Sekaran, U. and Bougie, R. (2010). *Research Methods for Business – A Skill Building Approach* (5th edition). NY: John Wiley & Sons. <u>*Suggested Readings*</u> Bowerman, B. L., O'Connell, R. T. and Murphree, E. S. (2011). *Business Statistics in Practice* (6th edition). NY: McGraw-Hill. Cooper, D. R. and Schindler, P. S. (2011). *Business Research Methods* (11th edition). NY: McGraw-Hill. Dillman, D. A., Smyth, J. D. and Christian, L. M. (2009). *Internet, Mail, and Mixed-Mode Surveys: The Tailored Design Method* (3rd edition). Hoboken, NJ: John Wiley & Sons. Hair, J. F., Black, W. C., Babin, B. J. and Anderson, R. E. (2010). *Multivariate Data Analysis* (7th edition). Upper Saddle River, NJ: Prentice Hall. Miles, M. B. and Huberman, A. M. (1994). *Qualitative Data Analysis: An Expanded Sourcebook* (2nd edition). Thousand Oaks, CA: Sage. Norušis, M. J. (2012). *IBM SPSS Statistics 19 Guide to Data Analysis.* Upper Saddle River, NJ: Prentice Hall. Yin, R. K. (2009). *Case Study Research: Design and Methods* (4th edition). Thousand Oaks, CA: Sage.	

Subject Code	MM544
Subject Title	E-Commerce
Credit Value	3
Level	5
Normal Duration	1-semester
Pre-requisite/ **Co-requisite/** **Exclusion**	None
Role and Purposes	The central goal of this course is to develop an integrative knowledge of the digital economy. It focuses on the information superhighway as the technological enabler that has dramatically changed the way in which companies orchestrate their value creation. This course, with a strategic perspective in mind, looks into the knowledge-enabled enterprises and the influence of electronic commerce in shaping the rules of modern business environments. From a managerial point of view, the course will delineate the skills and knowledge required in the digital world. Finally, this course also offers a technology perspective that touches upon the underlying IT mechanisms for electronic commerce.
Subject Learning Outcomes	Upon completion of the subject, students will be able to: a. comprehend the underlying economic mechanisms and driving forces of E-Commerce; b. understand the critical building blocks of E-Commerce and different types of prevailing business models employed by leading industrial leaders; c. appraise the opportunities and potential to apply and synthesize a variety of E-Commerce concepts and solutions to create business value for organizations, customers, and business partners; d. formulate E-Commerce strategies that lever firms' core competencies, facilitate organizational transformation, and foster innovation; e. undertake planning, organizing, and implementing of E-Commerce initiatives to effectively respond to of dynamic market environments.

<table>
<tr><td>Subject Synopsis/ Indicative Syllabus[#]</td><td>

Introduction of e-Commerce
E-commerce Framework
B2C, B2B, C2C, G2C, G2B
E-commerce Supply Chain Management
Payment System, Internet Banking and Supporting Systems
E-Government
Mobile Commerce
Legal, ethical and societal issues of e-Commerce
E-commerce strategy
Social Media and e-Commerce

[#]The above syllabus may be modified and updated by each subject lecturer without prior notice.
</td></tr>
<tr><td>Teaching/Learning Methodology</td><td>
The course will use a variety of methods as its pedagogy to help students achieve the above learning outcomes. Each class will roughly take the following format:
1. General announcement and an opportunity for students to ask question to address any unfinished thoughts from the previous class;
2. Overview of the current class agenda and its relationships to past discussion;
3. Extended period of students- or instructor-lead discussion of the key issues in the assigned case or readings. Collaborative learning strategies (learning via discussion in a small group) may be employed during part of this time.
</td></tr>
<tr><td>Assessment Methods in Alignment with Intended Learning Outcomes</td><td>
<table>
<tr><td rowspan="2">Specific assessment methods/tasks</td><td rowspan="2">% weighting</td><td colspan="6">Intended subject learning outcomes to be assessed</td></tr>
<tr><td>a.</td><td>b.</td><td>c.</td><td>d.</td><td>e.</td><td></td></tr>
<tr><td>Continuous Assessment*</td><td>50%</td><td></td><td></td><td></td><td></td><td></td><td></td></tr>
<tr><td>1. Attendance and class participation</td><td>15%</td><td>✓</td><td>✓</td><td>✓</td><td>✓</td><td>✓</td><td></td></tr>
<tr><td>2. Individual assignment</td><td>15%</td><td>✓</td><td>✓</td><td>✓</td><td>✓</td><td>✓</td><td></td></tr>
<tr><td>3. Group assignment</td><td>20%</td><td>✓</td><td>✓</td><td>✓</td><td>✓</td><td>✓</td><td></td></tr>
<tr><td>Examination</td><td>50%</td><td>✓</td><td>✓</td><td>✓</td><td>✓</td><td>✓</td><td></td></tr>
<tr><td>Total</td><td>100 %</td><td colspan="6"></td></tr>
</table>
*Weighting of assessment methods/tasks in continuous assessment may be different, subject to each subject lecturer.
To pass this subject, students are required to obtain Grade D or above in <u>both</u> the Continuous Assessment and Examination components.
</td></tr>
</table>

<table>
<tr><td></td><td colspan="2">Explanation of the appropriateness of the assessment methods in assessing the intended learning outcomes: the various methods are designed to ensure that all students taking this subject to have a balanced learning experience.

Feedback is given to students immediately following the presentations and all students are invited to join this discussion.</td></tr>
<tr><td rowspan="6">Student Study Effort Expected</td><td>Class contact:</td><td></td></tr>
<tr><td>▪ Lectures</td><td>42 Hrs.</td></tr>
<tr><td>Other student study effort:</td><td></td></tr>
<tr><td>▪ Preparation for lectures</td><td>42 Hrs.</td></tr>
<tr><td>▪ Preparation for assignment / group project and presentation / examination</td><td>84 Hrs.</td></tr>
<tr><td>Total student study effort</td><td>168 Hrs.</td></tr>
<tr><td>Reading List and References</td><td colspan="2"><u>Textbook</u>
Turban E., King, D., Viehland, D., and Lee, J. (2010) Electronic Commerce: A Managerial Perspective, Upper Saddle River, New Jersey, Person Prentice Hall. (6th ed.)

<u>References</u>
<u>Freakonomics: A Rogue Economist Explores the Hidden Side of Everything (P.S.)</u> by <u>Steven D. Levitt</u>and <u>Stephen J. Dubner</u> (Aug 25, 2009)

<u>Outliers: The Story of Success</u> by <u>Malcolm Gladwell</u> 2008.

A Whole New Mind: Moving From the Information Age to the Conceptual Age, by Pink, Daniel H. Publisher: Putnam Pub Group 2005.

The Profit Zone : How Strategic Business Design Will Lead You to Tomorrow's Profits, by <u>Adrian Slywotzky</u>, <u>David J. Morrison</u>, <u>Bob Andelman</u>, Publisher: Three Rivers Press (2002)

The Search: How Google and Its Rivals Rewrote the Rules of Business and Transformed Our Culture, by <u>John Battelle</u>, Publisher: Portfolio Hardcover (2005)

Chen, S. (2004) Strategic Management of E-Buisness, 2nd ed. Chichester, England: John Wiley & Sons.

Holden. (1999) Starting an Online Business for Dummies, IDG.

Kalakota & Robinson. (1999) E-Business: Roadmap for Success, Addison-Wesley.</td></tr>
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