



**Mona School
of Business &
Management**

The University of the West Indies, Mona



Master of Science in
Logistics and Supply Chain Management

Student Handbook

2024 - 2025

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Introduction

As Jamaica and the wider Caribbean prepare to compete in the new global economy of services and knowledge, it is imperative that they have sufficient human resources to compete in a global marketplace. The MSc Logistics and Supply Chain Management programme is geared towards developing a cadre of professionals capable of executing and managing efficient operations in goods and services across the supply chain.

The programme will cover principles and tools that can be employed to help to achieve these outcomes; especially in the context of the peculiarities of Jamaica and the Caribbean. Areas of focus in this programme include: logistics management strategy, operations management and business analytics and inventory management.

The MSc. in Logistics and Supply Chain Management programme seeks to:

- provide students with a graduate education that will enhance their leadership careers in the field of Logistics and Supply Chain Management;
- develop managers and professionals with knowledge and expertise in logistics, operations management and supply chain management to design and manage efficient and effective supply chains; and
- provide students with relevant insights in market needs, planning and controlling flows, required to analyse logistical performances and the implementation of new logistical approaches.

Admission Requirements

Applicants must:

- Hold a Bachelor's degree or equivalent from a university or college acceptable to the University of the West Indies, with GPA of 2.5 or higher;
- Applicants with a GPA lower than 2.5 will be considered under the following conditions:
 - Having professional experience in a management, economics or engineering (example - operations manager) related field with a minimum of 3 years work experience; and
 - Passing a departmental interview conducted by the School's Programme Admissions Committee.

Application Procedure

All applicants are encouraged to apply online early: https://sas.mona.uwi.edu/banndata1-srv_mona/uwm_adm.p_index

Interviews

As part of the selection process, MSBM reserves the right to interview applicants for further exploration of their qualifications and experience. You may therefore be called for an interview, possibly at short notice, in order to expedite the process.

Acknowledgement

Once your online application has been processed and you are successful, you will receive an offer online, via your e-mail address from the Office of Graduate Studies and Research.

Confirmation of Acceptance

Applicants who have been offered a place in the programme must confirm their acceptance online by the date specified in the offer. **NB:** If you are offered a place and you are unable to take up the offer, you will be required to defer or reject the offer online.

Registration

Before the start of the academic year students are required to register for Semester 1 and Semester 2 for that academic year. Part time students are also required to register for Semester 3/Summer Term.

Identification Card

Once you have registered for your classes, you will be able to obtain your ID card. Your Programme Coordinator will provide the necessary instructions.

The cost for identification card renewal is J\$1,000. The renewal fee is also applicable to students who change their enrollment status. The cost for identification card replacement is J\$1,150.

Student Requirements

- Students should have an active registration status until the completion of their degree. **Students who are not doing courses in a particular semester must request leave of absence** from the Office of Graduate Studies and Research for the inactive period.
- Students who are doing a second sitting of a graduate course must seek guidance from the Programme Coordinator and register to resit the courses.

Attendance Policy

It is important for students to attend lectures regularly on a timely basis and to work steadily throughout the semester to benefit fully from the programme.

Any student who, having registered for a course and examination, fails to take the examination shall be deemed to have failed the examination. In cases of illness the candidate shall present a medical certificate/report as proof of illness to the University Health Centre signed by a Medical Practitioner approved for this purpose by the University. The student shall send the medical certificate within seven (7) days from the date of that part of the examination in which the performance of the student is affected.

Students who are encountering difficulties in completing their programme of study should apply for leave of absence or voluntary withdrawal. Requests for leave of absence or voluntary withdrawal should be made online through the Student Administration System (SAS) via the Automated Student Request menu option. The student must indicate the reason for the request. Approval of a request for leave of absence/voluntary withdrawal is not automatic.

List of Courses

Course Code	Course Name	Credits
SBCO6110	Financial & Managerial Accounting	3
SBCO6135	Supply Chain Management & Strategy	3
SBCO6160	Operations Management	3
SBCO6165	Global Supply Chain Management	3
SBCO6170	Business Analytics	3
SBCO6175	Logistics Supply Chain Management & Sustainability	3
SBCO6182	Supply Chain Simulation & Modeling	3
SBCO6185	Transportation Strategy & Management	3
SBCO6340	Business in a Global Environment	3
SBCO6520	Quantitative Methods & Statistical Tech.	3
SBCO6540	Inventory Management	3
MGMT6010	Research Project	4

Sequence of Courses

Year 1 (2024-2025)

Semester I (September to December)	
Group	Course Code & Title
Part-Time	SBCO6170: Business Analytics
Part-Time	SBCO6520: Quantitative Methods & Statistical Tech.
Semester II (January to April)	
Part-Time	SBCO6110: Financial & Managerial Accounting
Part-Time	SBCO6340: Business in a Global Environment
Semester III/Summer Term (May to August)	
Part-Time	SBCO6540: Inventory Management
Part-Time	SBCO6135: Supply Chain Management & Strategy

Year 2 (2025-2026)

Semester I (September to December)	
Group	Course Code & Title
Part-Time	SBCO6175: Logistics Supply Chain Management & Sustainability
Part-Time	SBCO6182: Supply Chain Simulation & Modeling
Semester II (January to April)	
Part-Time	SBCO6165: Global Supply Chain Management
Part-Time	SBCO6160: Operations Management
Semester III/Summer Term (May to August)	
Part-Time	MGMT6010: Research Project
Part-Time	SBCO6185: Transportation Strategy & Management

Course Descriptions

SBCO6170: Business Analytics

This course examines the ways in which enterprises such as businesses, non-profits, and Governments can use data to gain insights and make better decisions. Business analytics is applied in operations, marketing, finance, and strategic planning among other functions. The ability to use data effectively to drive rapid, precise and profitable decisions has been a critical strategic advantage for a range of world-leading companies. With the increasing availability of broad and deep sources of information — so-called “Big Data”—business analytics are becoming an even more critical capability for enterprises of all kinds.

SBCO6520: Quantitative Methods and Statistical Techniques

This course is concerned with the use of quantitative and statistical techniques to assist in rational decision making. The emphasis is not on the techniques themselves, but rather on how they can contribute to better decisions. The approach is to present real business situations in which quantitative and statistical techniques have been applied successfully and to show how managers can use the methods to make better decisions.

SBCO6110: Financial and Managerial Accounting

This course examines the internal accounting systems and current practices of businesses to develop an understanding of the uses and limitations of accounting information in planning, control, decision making, performance evaluation and external reporting processes. It offers a balanced coverage of the concepts, methods and uses of financial and managerial accounting information with a strong emphasis on analysis and reporting.

SBCO6340: Business in a Global Environment

This course examines the critical aspects of the global business environment that influence a firm’s decisions and behaviour. It focuses on the macroeconomic, institutional and technological factors at both international and national levels that shape the environment in which firms compete.

SBCO6160: Operations Management

This course introduces students to the strategic and operational issues and decisions involved in managing the operations of a firm. The transformation of raw materials (labour, energy, etc.) into goods and services is influenced by decisions such as the choice of technologies, the design of the facilities, the processes involved and the effectiveness of the production plans.

SBCO6135: Supply Chain Management and Strategy

The supply chain consists of many operational processes that create value for the firm. The course introduces strategies and practical tools necessary to manage and solve supply chain problems. The course will expose students to the challenges involved in managing supply chains and the complexity of inter-firm and intra-firm coordination. That is the student will be exposed to leading edge thinking on supply chain

strategy as well as practical tools and methods for its implementation. The course will also provide the student with qualified knowledge on the different aspects of the strategic role that supply chain management has in many of today's businesses. It deals with the opportunities, risks and operations of the supply chain management function in an industrial setting.

SBCO6165: Global Supply Chain Management

Today's global organizations are looking for leaders who can integrate all functions related to supply chains. A global supply chain refers to the network created among different worldwide companies producing, handling, and distributing specific goods and/or products. Jamaica and the rest of the Caribbean exist within this global space; a reality that demands that the courses offered at The University of the West Indies should have a global reach and global application. Global Supply Chain Management is one of the courses that seeks to prepare students to respond to and navigate the challenges, while maximizing the opportunities that accompany the global reach in marketing, distribution and the management of various operations. The course therefore examines a number of the tools and strategies that can be employed in ensuring that customers at all levels receive the right products and services, at the right price and at the right time, while conforming to the agreed global standards. The primary goal of this course is to provide a broad overview of supply chain management from an international perspective. Among the issues covered are facility location, sourcing decisions, global environments, effects of global SCM on import/export decisions, role of inventory management, and effect of government policies on global SCM.

SBCO6540: Inventory Management

Inventory management works hand in hand with the procurement management function to ensure the availability of supply of inputs for operations and infrastructure. Since spending on the procurement of inputs often consumes the lion's share of the organization's budget, inventory management is an equally essential function of both commercial and non-commercial organizations. Poor inventory management, resulting in unavailability of inputs can be profoundly damaging to organizational productivity. On the other hand, since inventory is expensive to obtain and store, overstocking can also have a negative impact on the bottom line.

Good management of inventory therefore, enables companies to improve their customer service, cash flow and profitability. This is the case with both private and public sector entities, thus the importance of inventory management in both sectors.

SBCO6175: Logistics Supply Chain Management and Sustainability

Logistics Management is the part of supply chain management that plans, implements, and controls the efficient, effective forward and reverse flow and storage of goods, services, and related information between the point of origin and the point of consumption in order to meet customers' requirements. Logistics deals with the management of material flow, information flow and financial flow that cut across multiple business entities. The coordination and integration of these flows both within and across companies are critical to compete successfully in today's market place. The course exposes students to a practical and managerial approach to logistics supply chain management in areas such as sustainable logistics practices, leadership

in a supply chain role, emerging trends in logistics, key performance indicators, and an introduction of technology into logistics management.

The course will expose students to sound principles and techniques of inventory management and will provide explanation on how this function is connected to other aspects of procurement management, supply chain management and other areas of management.

SBCO6185: Transportation Strategy and Management

Transportation is an essential activity in the logistics function, supporting the economic activities of organizations and countries. It is therefore important that transportation is not treated as only an operations component, but also an important strategic component of an effective logistic and supply chain management framework. This course brings to the forefront the benefits of the use of more than one modes of transportation in the movement of goods and services. It addresses the core issues that will ensure smooth transfer of cargo from the point of origin to destination. The course will examine the characteristics and operation of intermodal transportation systems from several perspectives, including the importance of transportation costs, transportation security, global transportation network, regulatory framework, infrastructure, hazardous materials, risk assessment, national and international freight transportation system, global collaboration public policy considerations, safety, and methodologies related to the analysis of transportation.

SBCO6182: Supply Chain Simulation and Modeling

Simulation provides the means for an organization to analyze and evaluate existing supply chain processes in a virtual environment and therefore, reducing the time and cost that would normally be associated with the physical space. Through simulation models, organizations can identify individual events that make up the entire supply chain system and incorporate uncertainties such as machine breakdowns that might occur and therefore evaluate the system in its entirety. The overall objective of the course is to expose students to the modeling tools and important issues for designing and operating supply chains. The course will allow students to practice modeling and simulating a multi-level supply chain. Some of the main topics covered include: conceptual framework for supply chain simulation, simulation methods and techniques, main concepts of system dynamics, bull -whip effects in supply chains, and modeling a traditional supply chain by using by using casual loop diagrams. This course is designed to teach advanced concepts in supply chain design, demand forecasting, resource allocation, and production planning. It gives students an opportunity to design and manage the supply chain of an organization. It will also allow students to understand and mitigate risks and bottlenecks that may occur due to lead times, demand fluctuations and processing time abnormalities, which are not noticeable in an optimization model.

MGMT 6010: Research Project

Students are required to complete a Research Project by the end of the year. They will be required to identify a research topic in Logistics and Supply Chain Management within a business firm and use the tools, principles and skills covered in the programme to solve this problem. The programme's research is paper intended to provide practical experience for the students with the opportunity to devise solution for a local problem within an organization.

Coursework Assignments

All assessments will be administered through the MSBM-ELS. This will be the only medium for the submission of papers.

- Submit your completed assessments within the timelines specified on the course outline and examination schedule.
- All coursework grades can be accessed via MSBM's Executive Learning Space (ELS).
- Coursework marks will not be given out over the telephone or to third parties.

Examinations

All examinations for MSBM graduate programmes are regulated by the Office of Graduate Studies and Research and the UWI examinations Section.

Final examination marks will not be given out to students who visit the office, to students who telephone or to third parties. If you wish to view your final mark for a course you must do so online (unofficial transcript). Final examination marks will be disseminated by the Examinations Section of the UWI Mona and not by MSBM.

GPA for Coursework/Exam

A student who fails an element of a course that counts towards the final grade (either coursework or final examination) will be deemed to have failed that course. They will be assigned the grade FC or FE (Fail Coursework, Fail Exam) even if they obtain an overall mark of 50% or higher. In order to pass a course you must pass both the coursework and the final examination. You must re-sit the section of the course (coursework or final examination) you failed. If you fail both sections you must re-sit the entire course (coursework and final examination).

Marking Scheme

The marking scheme for Higher Degrees is as follows:

PASSING GRADES AND QUALITY POINTS		
GRADE	QUALITY POINT	% RANGE
A+	4.30	90-100
A	4.00	80-89
A-	3.70	75-79
B+	3.30	70-74
B	3.00	65-69
B-	2.70	60-64
C+	2.30	55-59
C	2.00	50-54
F1 (FCW) (FWE)	1.70	40-49
F2 (FCW) (FWE)	1.30	30-39
F3 (FCW) (FWE)	0.00	0-29

Where graduate students write undergraduate examinations for postgraduate credit those examinations shall be graded in accordance with the above scheme.

Students who fail any component of a course that counts towards the final grade (whether coursework or final examination) will be deemed to have failed that course –

- (i) Where a student fails any component of a course that counts towards the final grade (whether coursework or final examination), but attains an overall course mark of 50% or more, the quality points assigned shall be 1.70 with the corresponding grade of FCW or FWE depending on which component was failed.
- (ii) Where a student fails any component of a course that counts towards the final grade (whether coursework or final examination) and attains an overall course mark below 50%, the quality points assigned shall correspond to the grade based on the overall failed mark achieved, either F1, F2, F3 as a further designated of (FCW) of (FWE) corresponding to the equivalent grade.

Learn More:

https://www.mona.uwi.edu/postgrad/sites/default/files/postgrad/gpa_regulations_for_graduate_certificates_diplomas_taught_masters_and_professional_doctorate_programmes.pdf

The Award of Distinction and of High Commendation

The University's requirements of a minimum GPA for Postgraduate taught programmes is 2.0. Students who matriculate to the University in August 2021 and after must earn this minimum grade point average in their taught programmes. It does not apply to continuing postgraduate students. Note that individual department, college, school or programme requirements may exceed this minimum. All other existing requirements, both faculty and university, that are based on any calculated GPA will apply accordingly.

GPA	CATEGORY
≥3.70	DISTINCTION
3.30 – 3.69	MERIT
2.00 – 3.29	PASS
<2.0	FAIL

- Based on overall programme GPA
- Research project will be considered another course for the calculation of programme GPA
- Failure / repeating of any course(s) will NOT disqualify from 'distinction' if overall GPA ≥ 3.70
- Professional doctorates: Distinction = ≥ 3.70 in Courses + High Commendation in Research

Plagiarism

The unauthorized and/ or unacknowledged use of another person's intellectual efforts, ideas and creations under one's own name is regarded as a form of cheating. If a student is found guilty of plagiarism, the student will be awarded a fail grade in the course concerned and may also be subject to other disciplinary actions. Please note that all assessments that include essays will be submitted through TURNITIN by the lecturer.

Graduate Coursework Accountability Statement

All students registered for postgraduate courses in the Faculty of Social Sciences, are required to attach a signed coursework accountability statement to the front of any document submitted as a component of coursework save that when coursework consists of an invigilated examination no accountability statement is required and where the submission is entirely in electronic form, the student shall make an equivalent declaration electronically.

Learn More:

<https://www.mona.uwi.edu/postgrad/sites/default/files/postgrad/uploads/Graduate%20Coursework%20Accountability%20Statement.pdf>

Tuition

See Graduate Tuition Guidelines on the MSBM website for fees and schedule of payments:

<https://www.mona.uwi.edu/msbm/sites/msbm/files/Graduate%20Tuition%20Fees%202024-2025.pdf>



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