



# Rahm Thomas University

## BSC PROGRAM IN PROCUREMENT MANAGEMENT

### 1<sup>st</sup> Year (1<sup>st</sup> Semester)

<b>No.</b>	<b>Course Code</b>	<b>Credits</b>	<b>Course Titles</b>
1.	PHSC 107 101	3	Physical Science or General Geological Survey
2.	ENGL 101	4	Freshman English I
3.	COSC 101	3	Introduction to Computer Literacy
4.	FREN 101	3	Introductory French I
5.	ACCT 101	1	Introduction to Accounting I
6.	MATH 107	3	Pre-Calculus
7.	ROTC 101/PHED 101	1	Military Science I/Introduction to Physical Fitness and Wellness I
8.	GDS 101	3	Gender Development Studies
	<b>Total Credits</b>	<b>18</b>	

### 1<sup>st</sup>Year (2<sup>nd</sup> Semester)

<b>No.</b>	<b>Course Code</b>	<b>Credits</b>	<b>Course Title</b>
1.	PHSC 102	3	Physical Science
2.	MATH 102	4	Decision Math
3.	ENGL 102	3	Freshman English II
4.	FREN 102	3	French II
5.	PHED 102	1	Physical Education II
6.	ACCT 102	3	Intro. to Accounting

			Total
	<b>Total Credits</b>	<b>17</b>	

## SOPHOMORE

### 2<sup>nd</sup> Year (FIRST SEMESTER)

No.	Course Code	Credits	Course Title
1.	PHIL 201	3	Intro. To Philosophy
2.	MATH 203	3	Calculus I3
3.	ENGL 201	3	Sophomore English
4.	ACCT 201	3	Accounting Principles I
5.	PR 201	3	Enhancing Employment Skills
6.	PR 203	3	Introduction to Logistics
7.	PR 205	3	Introduction to Business Management
	<b>Total Credits</b>	<b>21</b>	

## SECOND SEMESTER

No.	Course Code	Credits	Course Title
1.	ACCT 202	3	Accounting Principles II
2.	ENGL 202	3	Sophomore English
3.	PR 202	3	Principles of Economics
4.	PR 204	3	Literature Review Project
5.	PR 206	3	Transport Fundamentals

6.	PR 207	3	Facilities Design and Management
	<b>TOTAL</b>	<b>18</b>	

**JUNIOR**

**FIRST SEMESTER**

No.	Course Code	Credits	Course Title
1.	PR 301	3	Air Transport
2.	PR 303	3	Basic Statistics
3.	PR 305	3	Company and Contract Law
4.	PR 307	3	Principles of Financial Accounting
5.	PR 309	3	Inventory Control
6.	PR 311	3	Operations and Process Management
	<b>Total Credits</b>	<b>18</b>	

**SECOND SEMESTER**

No.	Course Code	Credits	Course Title
1.	PR 302	3	Project Management
2.	PR 304	3	Road Transport
3.	PR 306	3	Modeling Simulation and Optimization
4.	PR 308	3	International Logistics and Purchasing
5.	PR 310	3	Maritime Transport
6.	PR 312	3	Rail Transport
	<b>Total Credits</b>	<b>18</b>	

**FOUR YEARS**

## 1<sup>ST</sup> SEMESTER

No.	Course Code	Credits	Course Title
1.	PR 401	3	Database Management
2.	PR 403	3	Services Marketing
3.	PR 405	3	Purchasing, Principles and Process
4.	PR 407	3	Leadership and Human Resource Management
5.	PR 409	3	International Trade Law and Policy
6.	PR 411	3	Research Methods
	<b>Total Credits</b>	<b>18</b>	

## SECOND SEMESTER

No.	Course Code	Credits	Course Title
1.	PR 402	3	Developing the Purchasing and Supply Functions
2.	PR 404	3	Technology Applications in Supply Chains
3.	PR 406	3	Contemporary Issues in Supply Chains
4.	PR 408	3	Supply Chain and Procurement Strategy
5.	PR 410	3	Management of Strategic Contracts and Suppliers
6.	PR 412	3	Final Year Project
	<b>Total Credits</b>	<b>18</b>	

## PROCUREMENT COURSE DESCRIPTIONS

### Introduction to Logistics

This subject is a survey of the fundamental analytic tools, approaches, and techniques which are useful in the design and operation of logistics systems and integrated supply chains. The material is taught from a managerial perspective, with an emphasis on where and how specific tools can be used to improve the

overall performance and reduce the total cost of a supply chain. We place a strong emphasis on the development and use of fundamental models to illustrate the underlying concepts involved in both intra and inter-company logistics operation

### **Company and Contract Law**

The course is divided into four parts, one introductory and three topical. "Part 0" is introductory, and is designed to give you some perspective about the structure of the course and the normative underpinnings of contract law. "Part 1" discusses remedies for breach of contract. "Part 2" addresses the determination of duties and breach under a contract. "Part 3" examines the doctrines governing contract formation, and includes an examination of the existing doctrinal constraints on contracting. Note: I may, from time to time, issue revisions to this syllabus during the term, depending on news events, recent cases, and our pace in class.

### **Principles of Economics**

The course is split between the study of microeconomics, which focuses on the decision making of individual consumers and firms and macroeconomics with focuses on aggregate level *economic* questions such as interest rates, government spending, among others.

### **Literature Review Project**

This course teaches *the process of conducting research*; it investigates why and how scientific research is conducted, with a focus on approaches used in social sciences and human movement studies. The teaching methodology of the course involves students in learning by doing, with guided feedback, accompanied by reading, lecture, classroom exercises, and group discussion. Assessment is largely based upon the literature review and research design projects which are undertaken on a research question within individuals' specific disciplines and

areas of interest. Students are strongly encouraged to develop a research question in consultation with a likely supervisor and which can form the basis for a graduate thesis or advanced studies project. The other main assessment is via short answer exams on quantitative and qualitative research methods.

### **Transport Fundamentals**

The Fundamentals of Transport Logistics is a course which focuses specifically on the management and mechanics of the freight transport link in the supply chain, covering all modes of transportation. This logistics training course provides a comprehensive grounding in all aspects of freight transport, and how they fit in to the broader logistics function. The training course will help both freight users and operators understand the crucial role played by transport management in the global movements of goods and materials.

### **Facilities Design and Management**

This course is the study of production facilities, including location, planning, design and maintenance. Emphasis is on production systems, machine selection, automation, material handling, storage and warehousing, quality, retrofitting and preventative maintenance.

### **Air Transport**

This course will provide you with an overview of the air transportation system that illustrates the interdependence among its components: airlines, airports, civil aviation authorities and air navigation services.

### **Introduction to Business Management**

This course is meant to acquaint students with functions performed by business and the part business activities play in our economy as a whole. It is designed to

give familiarity with common business practices and terminology. This course is not open to students who have completed or are currently enrolled in three or more courses in business or economics.

### **Principles of Financial Accounting**

An introduction to financial accounting concepts and financial reporting, with the focus being on how decision makers analyze, interpret, and use accounting information. Emphasis is given to how accounting measures, records, and reports economic activities for corporations and on the relationship between accrual and cash flow measures in interpreting accounting information.

### **Inventory Control**

Inventory management is the cornerstone of supply chain management. The goal of this course is three-fold: (1) identify problems and challenges in inventory management, (2) introduce the main stream literature that mathematically models and solves these problems, (3) brings students to the frontier of this active research area. The course is targeted at graduate (M.S. or Ph.D.) students in the areas of operations management, operations research, industrial engineering and management science.

### **Operations and Process Management**

This course is an introduction to Operations Management with a focus on the public sector. It teaches how managers create public value by delivering services effectively and efficiently. We will examine value considering public welfare and safety, social equity, and resource utilization across a range of services from healthcare to education to transportation. Our examination of effectiveness is based on the 'rights' – right service, right quality, right time and place. Efficiency centers on lowest total cost – direct provider costs, direct recipient costs, indirect societal costs and optimal use of resources.

### **Project Management**

This course guides students through fundamental project management concepts and behavioral skills needed to success-fully launch, lead, and realize benefits from projects in profit and nonprofit organizations.

### **Road Transport (LT2317)**

The aim is to build a portfolio of skills that will enable graduates to use the knowledge gained in the planning of transport chains, characterize points disconnection and execute tasks associated with the activities economist manager in transportation.

### **Modeling Simulation and Optimization**

Fundamentals and techniques for designing and using simulation, modeling, and optimization algorithms with applications in system performance modeling, business infrastructure modeling, and distributed and parallel computing. It is an introduction to advanced complex systems models.

### **International Logistics and Purchasing**

Global Logistics will familiarize students with the role of International Logistics in the context of Supply Chain. Students will learn how Logistics impact in other areas of International Supply Chain Management, Methods of Entry into Foreign Markets, Incoterms, International Commercial Documents and International Insurance. Additional areas covered in Global Logistics may include International Modes of Transportation, Packaging, and Security.

### **Maritime Transport**

This course entails Maritime routes, Main international maritime traffic flows, Application of Network Theory, Maritime Routing, Classic problems and Maritime economics, Shipping costs, Economies of scale, Externalities, Short Sea Shipping, Main trends, and drivers in the shipping sector.

### **Rail Transport**

A Study of the transportation engineering aspects of efficient management of railway operations



including freight, passenger, and intermodal and multi-modal transportation.

### **Database Management**

The primary goal of this class is to learn principles and practices of database management and database design. Over the course of the semester we will discuss the database relational database design, normalization, SQL queries, reports and other interfaces to database data, and documentation.

### **Services Marketing**

The course highlights the differences between product marketing and the marketing of services. Attention is focused on the marketing function of not-for-profit organizations such as hospitals, educational institutions, police departments and churches.

### **Purchasing, Principles and Process**

This course will cover the purchasing process as it relates to such topics as inventory control, price determination, vendor selection, negotiation techniques, and ethical issues

### **Leadership and Human Resource Management**

The course recognizes the dynamic relationship between strategy, people, technology, and the processes that drive organizations. The course also explores the many facets of leadership and leadership development in teams and organizations and the processes by which people affect change in a variety of roles and situations

### **International Trade Law and Policy**

The course recognizes the dynamic relationship between strategy, people, technology, and the processes that drive organizations. The course also explores the many facets of leadership and leadership development in teams and organizations and the processes by which people affect change in a variety of roles and situations.

## **Developing the Purchasing and Supply Functions**

The course provides a special emphasis on the development and management of strategic sourcing relationships and promotes an understanding of the strategic role of supply management in effective supply/demand/value chain operations.

## **Technology Applications in Supply Chains**

This course focuses on the strategic and operational use of supply chain technologies such as transportation management systems, warehouse management systems, and inventory management systems, along with hardware and other applications. The objective of the class is to provide a strong knowledge and understanding of the technology used in logistics and supply chain management.

## **Contemporary Issues in Supply Chains**

Homework is assigned to expose students to more complex problems and understanding of the theory, and to evaluate their abilities and knowledge. Research topics that highlight the current problems in Supply Chain Management and Logistics will be dealt with.

## **Supply Chain and Procurement Strategy**

The course provides a special emphasis on the development and management of strategic sourcing relationships and promotes an understanding of the strategic role of supply management in effective supply/demand/value chain operations.

## **Management of Strategic Contracts and Suppliers**

In this course we broadly look at the issues faced in running a global supply chain operations and how they can be best managed. In particular we state of the art sourcing practices including terminology, metric and decision approaches. We then investigate supply chain planning issues in production and distribution. Finally, we investigate the contracts that can be used to coordinate the supply chains. We will pay significant attention to the interactions between supply chain

functions with other business activities, including operations, finance and strategy.

### **Final Year Project**

The Senior Project is an important part of a student's final year of high school. It integrates skills, concepts and data from the student's program of study into one culminating project. Students work on individual projects. A Senior Project consists of a major product/artifact, portfolio, oral presentation and a written research paper. Senior Project is a state and district requirement for graduation.