



## MBA IN LOGISTICS & SUPPLY CHAIN MANAGEMENT PROGRAMME

Module	Course name / Language	Description	Hours
<b>I. Business Management</b>	Managerial Economics (Ekonomia menedżerska) / ENG	Virtual simulation of running a business. Simulation of running a business – business decisions for setting up a virtual company. Case studies.	6
	International Business & Strategic Management (Zarządzanie międzynarodowe i strategiczne) / POL	Levels of management. Business environment of logistics company – macroenvironment and industry environment. Process of strategic management. Levels of strategy. Reasons for business internationalization. International business economics. Government actions relating to international business. Corporate level international strategy. Foreign market entry strategy. Case studies.	8
	Financial Management (Zarządzanie finansami) / ENG	Financial statements, financial ratios, investment analysis. Case studies.	10
	Human Resource Management (Zarządzanie zasobami ludzkimi) / ENG	Methods of strategic analysis of logistics company: macroenvironment analysis, industry environment analysis, enterprise potential analysis. Case studies.	6
	Business Law (Prawo gospodarcze) / POL	Typology of strategy. Strategies focused on supply chain management. Case studies.	6
	Supply Chain Marketing (Marketing w łańcuchu dostaw) / ENG	Trends in marketing and consumer behavior - consequences for supply chain management. Marketing and logistics - areas of synergy, conflict and support. Co-creating of customer service quality and satisfaction by supply chain participants. Communication tools within supply chain. Marketing information system for logistics. Customer Journey Map - implementation for supply chain. Case studies.	6
	Supply Chain Sale & Key Account Management (Zarządzanie sprzedażą i kluczowymi klientami w łańcuchu dostaw) / POL	Types of sales channels. Elements of sales management. Customer service process. Organization of sales department – methods and types. Methods of sales planning. Case studies.	8
	Quality Management in Supply Chain (Zarządzanie jakością w łańcuchu dostaw) / POL	Quality management in supply chain - methods and tools. Setting goals and measuring operational processes. The levels of process maturity. Improving operational processes based on the concept of continuous improvement (PDCA), approach system (QHSE), TPS and design (Lean Management, Six Sigma, Lean Six Sigma). Case studies.	6



	International Project Management (Zarządzanie międzynarodowymi projektami logistycznymi) / POL	Project Management System. Project in logistics company. Project in an international environment. Project organizational structure, roles and responsibilities. Project management methodologies. Main project planning techniques. Case studies.	10
<b>II. Enterprise Management</b>	General Management (Organizacja i zarządzanie przedsiębiorstwem) / ENG	Management as scientific field. Management as decision process. Planning, organization, leading, control as management functions. Personal function in management. Decision making game.	6
	Executive Leadership (Przywództwo w organizacji) / ENG	Megatrends in enterprises. Vision, mission, strategies. Attributes of the leader and company's value position. Business models and business model generation. External analysis. Market strategies and market cultivation. Case studies.	10
	Business & Operations Planning (Planowanie biznesu i operacji) / ENG	Global management environment. Strategic and operational planning. Organizing and delegating work. Team leadership.	6
	Financial Accounting (Rachunkowość finansowa) / POL	Role and application of accounting standards. Fundamentals of financial accounting. Financial statement as a source of information. Case studies.	6
	Management Accounting & Controlling (Rachunkowość zarządcza i controlling) / POL	Case studies: cost in accounting systems, short- and long-term decision making, budgeting and variances analyses, operating and strategic controlling. Case studies.	6
	Commercial & Civil Law (Prawo handlowe i cywilne) / POL	Legal aspects of running a company. Legal agreement, statute of a company, mediation or litigation - case studies.	6
	Business Communication & Negotiation (Komunikacja i negocjacje w biznesie) / POL	Fundamentals of interpersonal communication. Elements of customer service process. Stages of commercial negotiations. Methods of presentation. Basic techniques of negotiation. Case studies.	8
<b>III. Supply Chain Management</b>	Supply Chain Strategies (Strategie łańcuchów dostaw) / ENG	Global supply chains today. Competitive strategies of SC. Lean, resilient and agile SC. Disruption vulnerability of contemporary SC. Future of SC strategies. Case study: Boeing Dreamliner.	6
	Supply Chain Management (Zarządzanie łańcuchem dostaw) / ENG	Essence and scope of logistics and supply chain management. Definition and main activities of business logistics. Trade-offs analyses. Idea of supply chain and supply chain management matrix. Idea of supply chain performance and efficiency improvement (SCOR vs. GSCF reference models). Japanese and European supply chains and networks. Case studies.	8
	International Networks & Supply Chain Flows (Międzynarodowe sieci dostaw i przepływy w łańcuchach dostaw) / ENG	Understand the world as a whole - megatrends. Break down on logistics - threats and opportunities for logistics strategies. Agility and flexibility - the need to be adaptive. Bullwhip effect - the root cause for collaboration concepts. Transaction cost economy. Case studies.	8
	Product & Process Management (Zarządzanie produktem i procesami) / POL	The nature and elements of the product. Process approach in management. Methods of the product management. Basic techniques of brand management. Methods of the process management. Case studies.	6



	Resource Planning & Scheduling (Planowanie i harmonogramowanie zasobów) / ENG	Composure of SAP SCM. Interlinking ERP and SCM. Concepts in SAP APO. Global supply chain design. Integration with SAP ERP. Configuring the supply chain model. Performing operations planning while applying different heuristics. Case studies.	6
	Supply Chain Management Information Systems & e-Platforms (Systemy informacyjne i e-platformy zarządzania łańcuchem dostaw) / ENG	Workshop – using e-platform in supply chain management environment.	6
	Supply Chain Management Accounting & Controlling (Rachunkowość zarządcza i controlling łańcucha dostaw) / POL	Value chain vs. Supply chain. ERP in logistics. Budgeting supply chains. Case studies.	8
	International Supply Chain Contracts & Insurance (Kontrakt i ubezpieczenie w międzynarodowym łańcuchu dostaw) / ENG	Business model of international FMCG company with outsourced Shared Logistics Service and types of contracts used. Responsibility and insurance of goods in Shared Service Logistics. Incoterms. Contract performance monitoring. Elements of Logistic Contracts and selected legal issues. Insurance of the goods in international transport. Contracts management processes. Case studies.	6
	Communication and Traceability in Intermodal Supply Chain (Komunikacja i zdolność śledzenia w intermodalnym łańcuchu dostaw) / POL	Global standards for identification and communication in supply chain. Global traceability standards. Designing a traceability process – case studies.	8
<b>IV. Logistics Management</b>	Global Sourcing, Production and Distribution Strategy (Strategia globalnego zaopatrzenia, produkcji i dystrybucji) / POL	Main trends in global sourcing, production and distribution – economic, infrastructural and environmental. Contemporary supply chain management – impact of globalization, threats and opportunities. Global supply and logistics. Supplier and customer relationship management in global supply chains. Developing global supply – goals and objectives, requirements, conditions of efficiency, factors of success. Consolidation of global supply network. Vulnerability of global supply chains. Risk and global sourcing. Sustainable development and global supply chains. Case studies.	8
	Logistics Management & Logistics System Organization (Zarządzanie logistyczne i organizacja systemu logistycznego) / ENG	Integrated Logistics. Channels of distribution and supply chain strategies. Logistics future trends. Logistics strategy decision tools. Case studies.	10
	Purchasing and Procurement Management (Zarządzanie zakupami i zaopatrzeniem) / ENG	Strategy and strategic procurement. Purchasing procedures and supporting tools. Supplier relationships. Supplier involvement and development. Sourcing and suppliers management. Managing purchase prices. Procurement strategies, tactics and operations. Case studies.	8



Production Planning & Material Management (Zarządzanie produkcją i przepływem materiałów) / POL	Planning in manufacturing company according to time horizon, rank and level of the product – examples. Structure of a planning system of manufacturing company – examples. Sales and operations planning (SOP) - main decisions and sequence of preparing. Lean production and JIT and JIS material flow coordination. Theory of Constraint (TOC) in Production Planning & Material Management. Pull and push logic of material flow.	6
Distribution Management & Delivery Planning (Zarządzanie dystrybucją i planowanie dostaw) / POL	Distribution networks types and structures. Mathematical modelling of distribution networks. Definition of the Vehicle Routing Problem (VRP). Solving the VRP using optimization methods. Case studies.	6
International & Intermodal Transport Management (Zarządzanie międzynarodowym i intermodalnym transportem) / ENG	Impact of European Transport Policy on international and intermodal transport markets. Players and roles in intermodal transport technologies and infrastructure for international intermodal supply chains. Quality aspects and cost elements. Case study on international intermodal supply chains.	8
Inventory Management (Zarządzanie zapasami) / ENG	Role of inventories in various logistics concepts. Reasons for holding inventories. Typical structure of a moving stock. Stock related costs. Basic stock replenishment systems, based on: reorder level (BQ), periodic review (ST). Other replenishment systems: (BS, sS). Various means leading to reduction of inventory level. Demand analysis. Identification of factors influencing stock level. Demand distribution (forecast error distribution) over replenishment lead time. Case studies.	8
Warehousing Management (Zarządzanie magazynowaniem) / POL	The role of a warehouse in various logistics concepts. Warehousing in supply chain. Warehouse layout, size, type, function, location. Storage options. Warehouse processes: pre-receipt, receiving, put-away, storage, picking, replenishment, value-adding services and despatch. Warehouse management system. Storage equipment. Performance of racking systems. Block stacking, racked storage. Handling equipment of vertical and horizontal movement. Case studies.	8
RFID Laboratory & Training (Laboratorium RFID) / ENG	RFID idea. Practical case studies in RFID laboratory.	4
Risk Management (Zarządzanie ryzykiem) / ENG	Today's business logistics and risk – threats, opportunities and business safety. Risk management process – holistic (ERM) approach. ISO 31000 Risk Management standard. Techniques of risk identification, risk analysis and evaluation, basic methods of risk treatment. Supply chain risk management. Risk management in business projects. Essentials of Business Continuity Management and Crisis Management. Case studies.	8



	Logistics Controlling & Activity-Base Costing (Controlling logistyki i rachunek kosztów działań) / ENG	Case studies in logistics cost and controlling, operational controlling in logistics and Activity-Base Costing in logistics.	8
	Logistics Case Study in Practice - Enterprise Visits (Analiza przypadków logistycznych w praktyce - wizyty studyjne w przedsiębiorstwach) / POL-ENG	Study visits in Polish and German logistics and production enterprises.	24
	Logistics Project Presentation & Group Assessment (Prezentacja i ocena grupowa projektów logistycznych) / POL-ENG	Intermediary logistics project - work and consultations. Logistics project presentation.	36
	Exams (Egzaminy) / ENG	3 exams (one after each semester).	6
<b>V. Virtual Platform of Business Systems</b>	Virtual Platform of Business Systems (Wirtualna Platforma Systemów Biznesowych) / POL	Supply chain management processes - exercises in ERP software.	12
		<b>TOTAL</b>	<b>336</b>
		E-Learning	40