

Business Logistics

Course Description

Distribution and Logistics is a study of the acquisition, storage, use, packaging, transportation and distribution of materials and products. Topics covered include: management of materials and physical distribution; transportation choices, regulation and rates; traffic management; product storage, warehousing, handling and packaging; inventory management; acquisition and production scheduling; order entry and processing; logistics systems design and operation; and international logistics.

Course Code: 101650

Program(s) of Study to which This Course Applies

- Logistics Planning and Management

Course Framework	Reference Standards	Academic Crosswalk
<p>Standard 1. Students will explain the importance of physical distribution and materials management within a business.</p>	<p>KS - BAPE05.01.04 KS - BAPE05.01.07</p>	<p>[TBD by NDE]</p>
<p>Benchmark 1.1 The student will discuss the primary logistics activities of transportation, inventory maintenance and order processing.</p> <p><u>Sample performance indicators:</u></p> <ul style="list-style-type: none"> • Explain inventory maintenance and order processing. • Contrast different transportation systems and their effects on logistics. 	<p>KS - BAPE05.01.04</p>	<p>[TBD by NDE]</p>
<p>Benchmark 1.2 The student will discuss the supporting logistics activities of warehousing, material handling, protective packaging, and product scheduling.</p> <p><u>Sample performance indicators:</u></p> <ul style="list-style-type: none"> • Contrast different material handling techniques. • Produce a production schedule. 	<p>KS - BAPE05.01.0</p>	<p>[TBD by NDE]</p>
<p>Standard 2. Students will explain the logistics demand placed upon the firm and</p>	<p>KS - BAPE02.01.01 KS - BAPE05.01.04</p>	<p>[TBD by NDE]</p>



<p>its product.</p>	<p>KS - BAPE05.01.05 KS - BAPE05.01.07 KS - TRPB01.01.06</p>	
<p>Benchmark 2.1 The student will describe the components of an order cycle.</p> <p><u>Sample performance indicators:</u></p> <ul style="list-style-type: none"> Analyze an order cycle. Create an order cycle diagram. 	<p>KS - BAPE05.01.04</p>	<p>[TBD by NDE]</p>
<p>Benchmark 2.2 The student will explain the importance of product packaging.</p> <p><u>Sample performance indicators:</u></p> <ul style="list-style-type: none"> Compare and contrast different types of product packaging. Describe advantages to different types of packaging. 	<p>KS - BAPE05.01.05 KS - TRPB01.01.06</p>	<p>[TBD by NDE]</p>
<p>Benchmark 2.3 The student will explain the methods of geographically related product pricing and logistical pricing incentives.</p> <p><u>Sample performance indicators:</u></p> <ul style="list-style-type: none"> Define zone pricing. Compare single and uniform pricing. Define basing point pricing. 	<p>KS - BAPE05.01.07</p>	<p>[TBD by NDE]</p>
<p>Benchmark 2.4 The student will explain what logistics customer service is.</p> <p><u>Sample performance indicators:</u></p> <ul style="list-style-type: none"> Identify pre-transaction elements. Identify transaction elements. Identify post-transaction elements. 	<p>KS - BAPE02.01.01</p>	<p>[TBD by NDE]</p>
<p>Standard 3. ;.</p>	<p>KS - BAPE01.01.02 KS - BAPE05.01.07 KS - TRPB01.01.02 KS - TRPB01.01.03 KS - TRPB01.01.06</p>	<p>[TBD by NDE]</p>
<p>Benchmark 3.1 The student will explain the importance of a transportation system.</p> <p><u>Sample performance indicators:</u></p> <ul style="list-style-type: none"> Compare and contrast single product and multi-product service. Identify ideal transportation solutions for given logistics problems. 	<p>KS - BAPE05.01.07 KS - TRPB01.01.02</p>	<p>[TBD by NDE]</p>

<ul style="list-style-type: none"> Analyze the scope of transportation within a given geographic area. 		
<p>Benchmark 3.2 The student will explain the different transportation regulations and rates.</p> <p><u>Sample performance indicators:</u></p> <ul style="list-style-type: none"> Identify cost characteristics. Explain line-haul rates and the different types. 	KS - BAPE01.01.02	[TBD by NDE]
<p>Benchmark 3.3 The student will explain transportation management.</p> <p><u>Sample performance indicators:</u></p> <ul style="list-style-type: none"> Identify different career solutions for different problems. Compare and contrast common and private carriers. 	KS - BAPE05.01.07 KS - TRPB01.01.03	[TBD by NDE]
<p>Benchmark 3.4 The student will discuss and explain product handling, packaging, storage, and management.</p> <p><u>Sample performance indicators:</u></p> <ul style="list-style-type: none"> Identify different material handling choices. Design product handling and packaging systems. Produce alternative packaging ideas. 	KS - BAPE05.01.07 KS - TRPB01.01.06	[TBD by NDE]
<p>Standard 4. Students will discuss and describe proper techniques of information accumulation and development of plans and operation monitoring.</p>	KS - BAPE04.01.01 KS - BAPE05.01.07	[TBD by NDE]
<p>Benchmark 4.1 The student will describe how management information systems influences the design and control of logistics systems.</p> <p><u>Sample performance indicators:</u></p> <ul style="list-style-type: none"> Identify where data is obtained. Explain how management information system manipulates the data. Produce usable logistics information from given data. 	KS - BAPE05.01.07	[TBD by NDE]
<p>Benchmark 4.2 The student will discuss strategic, tactical and systems planning.</p> <p><u>Sample performance indicators:</u></p> <ul style="list-style-type: none"> Explain cost trade-offs. Explain a differentiated distribution strategy. 	KS - BAPE05.01.07	[TBD by NDE]
<p>Benchmark 4.3 The student will discuss the impact of environmental problems,</p>	KS - BAPE04.01.01	[TBD by NDE]



<p>geographic trends, cost trends, computer technology, and availability of raw materials have on logistics.</p> <p><u>Sample performance indicators:</u></p> <ul style="list-style-type: none"> • Compare and contrast different logistics computer technology. • Explain the importance of the availability of raw materials has on logistics. • Explain the effects that environmental problems have on logistics. 		
<p>Standard 5. Students will survey the future of logistics and respond to new changes.</p>	<p>KS -BAPE05.01.09 KS - TRPB01.02.03</p>	<p>[TBD by NDE]</p>
<p>Benchmark 5.1 The student will monitor current events in logistics and their influence on the future.</p> <p><u>Sample performance indicators:</u></p> <ul style="list-style-type: none"> • Compare and contrast new and emerging logistics technologies. • Compare and contrast new and emerging logistics techniques. 	<p>KS - BAPE05.01.09 KS - TRPB01.02.03</p>	<p>[TBD by NDE]</p>

Reference Standards Sources

- KS = Career Clusters Knowledge and Skills Statements. Revised 2008. National Career and Technical Education Foundation, Silver Spring, MD. www.careerclusters.org.

Creation date: July 23, 2010

Approval date:

Revision date *(if changes made after final draft):*

Other Information

<p>Suggestions for innovative teaching and learning strategies:</p>	<ul style="list-style-type: none"> •
<p>Related assessments:</p>	<ul style="list-style-type: none"> •



Extended learning opportunities:

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