



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 to Common Core Standards	Academic Crosswalk to Nebraska Standards	Comments
<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>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>ELA.SL.11-12.1</p>	<p>LA.12.1.6.k</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. 	<p>KS - BAPE05.01.0</p>	<p>ELA.SL.11-12.1</p>	<p>LA.12.1.6.k</p>	

<ul style="list-style-type: none"> Produce a production schedule. <p>Standard 2. Students will explain the logistics demand placed upon the firm and its product.</p>	KS - BAPE02.01.01 KS - BAPE05.01.04 KS - BAPE05.01.05 KS - BAPE05.01.07 KS - TRPB01.01.06			
<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. 	KS - BAPE05.01.04	ELA.WHST.11-12.2.b ELA.SL.11-12.4	LA.12.2.1.b LA.12.3.1.a	When students <i>describe</i> information or ideas, they communicate their knowledge through either speaking or writing. To demonstrate full knowledge on the topic, student presentations must include all the main ideas and relevant details on the subject. (CC: ELA.WHST.11-12.2.b, ELA.SL.11-12.4; NE: LA.12.2.1.b, LA.12.3.1.a).
<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. 	KS - BAPE05.01.05 KS - TRPB01.01.06	ELA.WHST.11-12.2.b ELA.SL.11-12.4	LA.12.2.1.b LA.12.3.1.a	When students <i>explain</i> information or ideas, they communicate their knowledge through either speaking or writing. To demonstrate full knowledge on the topic, student presentations must include all the main ideas and relevant details on the subject. (CC: ELA.WHST.11-12.2.b, ELA.SL.11-12.4; NE: LA.12.2.1.b, LA.12.3.1.a)
<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. 	KS - BAPE05.01.07	ELA.WHST.11-12.2.b ELA.SL.11-12.4	LA.12.2.1.b LA.12.3.1.a	When students <i>explain</i> information or ideas, they communicate their knowledge through either speaking or writing. To demonstrate full knowledge on the topic, student presentations must include all the main ideas and relevant details on the subject. (CC: ELA.WHST.11-12.2.b, ELA.SL.11-12.4; NE: LA.12.2.1.b, LA.12.3.1.a)
<p>Benchmark 2.4 The student will explain what logistics customer service is.</p>	KS - BAPE02.01.01	ELA.WHST.11-12.2.b	LA.12.2.1.b LA.12.3.1.a	When students <i>explain</i> information or ideas, they



<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>ELA.SL.11-12.4</p>		<p>communicate their knowledge through either speaking or writing. To demonstrate full knowledge on the topic, student presentations must include all the main ideas and relevant details on the subject. (CC: ELA.WHST.11-12.2.b, ELA.SL.11-12.4; NE: LA.12.2.1.b, LA.12.3.1.a)</p>
<p>Standard 3. Students will explain and develop a logistics mix and its influence on business operations.</p>	<p>KS - BAPE01.01.02 KS - BAPE05.01.07 KS - TRPB01.01.02 KS - TRPB01.01.03 KS - TRPB01.01.06</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. Analyze the scope of transportation within a given geographic area. 	<p>KS - BAPE05.01.07 KS - TRPB01.01.02</p>	<p>ELA.WHST.11-12.2.b ELA.SL.11-12.4</p>	<p>LA.12.2.1.b LA.12.3.1.a</p>	<p>When students <i>explain</i> information or ideas, they communicate their knowledge through either speaking or writing. To demonstrate full knowledge on the topic, student presentations must include all the main ideas and relevant details on the subject. (CC: ELA.WHST.11-12.2.b, ELA.SL.11-12.4; NE: LA.12.2.1.b, LA.12.3.1.a)</p>
<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. 	<p>KS - BAPE01.01.02</p>	<p>ELA.WHST.11-12.2.b ELA.SL.11-12.4</p>	<p>LA.12.2.1.b LA.12.3.1.a</p>	<p>When students <i>explain</i> information or ideas, they communicate their knowledge through either speaking or writing. To demonstrate full knowledge on the topic, student presentations must include all the main ideas and relevant details on the subject. (CC: ELA.WHST.11-12.2.b, ELA.SL.11-12.4; NE: LA.12.2.1.b, LA.12.3.1.a)</p>
<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. 	<p>KS - BAPE05.01.07 KS - TRPB01.01.03</p>	<p>ELA.WHST.11-12.2.b ELA.SL.11-12.4</p>	<p>LA.12.2.1.b LA.12.3.1.a</p>	<p>When students <i>explain</i> information or ideas, they communicate their knowledge through either speaking or writing. To demonstrate full knowledge on the topic, student presentations must include all</p>



				the main ideas and relevant details on the subject. (CC: ELA.WHST.11-12.2.b, ELA.SL.11-12.4; NE: LA.12.2.1.b, LA.12.3.1.a)
<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. 	<p>KS - BAPE05.01.07 KS - TRPB01.01.06</p>	<p>ELA.SL.11-12.1 ELA.WHST.11-12.2.b</p>	<p>LA.12.1.6.k LA.12.2.1.b LA.12.3.1.a</p>	
<p>Standard 4. Students will discuss and describe proper techniques of information accumulation and development of plans and operation monitoring.</p>	<p>KS - BAPE04.01.01 KS - BAPE05.01.07</p>			
<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. 	<p>KS - BAPE05.01.07</p>	<p>ELA.WHST.11-12.2.b ELA.SL.11-12.4 MTH.S. IC.6</p>	<p>LA.12.2.1.b LA.12.3.1.a MA.12.4.1.a</p>	<p>When students <i>describe</i> information or ideas, they communicate their knowledge through either speaking or writing. To demonstrate full knowledge on the topic, student presentations must include all the main ideas and relevant details on the subject. (CC: ELA.WHST.11-12.2.b, ELA.SL.11-12.4; NE: LA.12.2.1.b, LA.12.3.1.a)</p> <p>Alignment presumes that students will identify and explain how data is used for logistics systems. (CC: MTH.S.IC.6; NE: MA.12.4.1.a).</p>
<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. 	<p>KS - BAPE05.01.07</p>	<p>ELA.SL.11-12.1</p>	<p>LA.12.1.6.k</p>	
<p>Benchmark 4.3 The student will discuss the impact of environmental</p>	<p>KS - BAPE04.01.01</p>	<p>ELA.SL.11-12.1</p>	<p>LA.12.1.6.k</p>	



<p>problems, 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>SC.12.1.3.a SC.12.1.3.b SC.12.1.3.c SC.12.1.3.d SC.12.1.3.e</p>	<p>Alignment presumes that students will use technology to compare and contrast logistics computer technology and explain the effects that environmental problems have on logistics. (NE: SC.12.1.3.a, SC.12.1.3.b, SC.12.1.3.c, SC.12.1.3.d, SC.12.1.3.e).</p>
<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>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>ELA.WHST.11-12.7-9</p>	<p>LA.12.4.1.a-c LA.12.1.6.j</p>	<p>The depth of students' investigations, and thus the research standards that apply, will be determined by the nature of the task (CC: ELA.WHST.11-12.7-9; NE: LA.12.4.1.a-c, LA.12.1.6.j).</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.



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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