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Authoring Organization: Bellevue College

Written by: Linda Rumans

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## Charting and Dashboards Syllabus

Please provide a complete syllabus. All elements of the syllabus are required unless noted as “if applicable.”

<b>Course Title:</b> Data Visualization (2 modules)	<b>Course Number</b> (If applicable):
<b>COURSE DESCRIPTION:</b> These modules would typically be part of a data visualization course with the student having at least one prior course in business intelligence systems.	
<b>PREREQUISITES:</b> Introduction to Business Intelligence	
<b>REQUIRED MATERIALS:</b> access to SQL Server databases, Analysis Services and Tableau software	
<b>ADDITIONAL RESOURCES</b> (if applicable):	
<b>LEARNING OUTCOMES/COMPETENCIES:</b> <b>For these modules:</b> The successful student will be able to: <ol style="list-style-type: none"><li>1. Use analytic tools for data visualization.</li><li>2. Use charts appropriately and effectively in data visualizations.</li><li>3. Select the appropriate chart type for a variety of different data types and scenarios.</li><li>4. Create effective dashboards to convey organizational information.</li></ol>	



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## COURSE ASSESSMENT:

### Grading Scale

This is dependent upon the course to which the modules are added.

Category	Weight
Final Grade	100%

Total Points	Percentage	Grade
		A
		B
		C
		D
		F

## COURSE SCHEDULE:

**Note:** This partial example shows a course that combines lecture and lab components.

Module/ Lesson	Module/Lesson Title & description (if applicable)	Learning Outcomes	Assignment (w/category & point value)
1.	Charting with Analytic Tools  This material is suitable for a 1 week lesson for a 5 credit quarter class. It would likely be a module included more than	1. Use analytic tools for data visualization  2. Use charts appropriately and effectively in data visualizations  3. Select the appropriate chart type for a variety of different	Creating Charts  Category and point values dependent upon course in which module is included



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	midway through the course.	data types and scenarios	
2.	<p>Creating Effective Dashboards</p> <p>This material is suitable for a 1 week lesson for a 5 credit quarter class. It would likely be a module included more than midway through the course.</p> <p>This module should follow the Charting with Analytic Tools module directly.</p>	1. Create effective dashboards to convey organizational information	Dashboard Assignment Category and point values dependent upon course in which module is included
2.			
3.			
4.			
5.			
6.			
7.			



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