**CLASS INFORMATION**

**Benedictine University Graduate Business Programs**

**MSBA 686 A – Analytics for Big Data**

**Fall 2016**

Weekend Format

Classroom: Refer to MyBenU

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**MEETING FORMAT**

Friday, October 14<sup>th</sup> 6:30 – 9:30 PM

Saturday & Sunday, October 15 & 16<sup>th</sup> 9 AM – 4 PM

Friday, November 11<sup>th</sup> 6:30 – 9:30 PM

Saturday & Sunday, November 12 & 13<sup>th</sup> 9 AM – 4 PM

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**INSTRUCTOR INFORMATION**

Tsun Chow

Email: tchow@ben.edu

Office Hours by Appointment

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**COURSE OBJECTIVES**

As a result of this course, students will be able to:

- To understand concepts of Big Data
- To harness Big Data for business applications
- To understand the technology behind Big Data
- To explore analytics of Big Data at rest
- To explore analytics of Big Data in motion

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**CLASS OVERVIEW & GRADING**

This course introduces the concept of big data, that is, data sets so large that traditional relational database management systems, statistics, and visualization tools are insufficient. Organizations today are inundated with data, gathered from both inside and outside the organization. Analytics for data-at-rest and data-in-motion will be explored.

- InfoSphere BigInsight Exercise **25%**
- InfoSphere Stream Exercise **25%**
- Midterm Paper **25%**
- Final Paper **25%**

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**REQUIRED TEXT**

- **Title:** Big Data: Understanding How Data Powers Big Business
  
  **Author:** Schmarzo
  
  **Publisher:** Wiley
  
  **Edition:** 1st
  
  **ISBN:** 9781118739570

- **Title:** Harness the Power of Big Data
  
  **Author:** Zikopoulos, deRoos, & Parasuraman
  
  **Publisher:** Mcgraw-Hill Osborne Media
  
  **Edition:** 1st
  
  **ISBN:** 9780071808170

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**IMPORTANT REMINDERS**

Students are expected to check the class Desire2Learn (D2L) site prior to the first night of class and on an on-going basis.

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**PRE-CLASS ASSIGNMENT**

None