**CIS 215 Information Systems**

**Student Learning Outcomes (SLO)**

The theoretical foundation and evolution of Information Systems are introduced. The systems approach to modeling a business organization and its environment is studied. The organizational Computer-based Information Systems are analyzed. Ethical implications of Information Technology are discussed. Advanced hands-on application tools for business productivity are practiced in the computer laboratory.

**Course Outcome #1**

**Search Options**

**Learning Objectives for Search Options**

**Use the advanced features of the Google Search Engine to conduct research of online resources**

**to find:**

1. How does a business create or negate competitive advantages using technology to conduct research of online resources?
2. How does a data driven business use Information and Information Technology to become competitive by creating value and lowering costs?
3. How does a business appraise its strengths and weaknesses from a strategic and IT perspective using Porters Value theory?
4. How is Information and Information Technology used to create or negate a competitive advantage using Porter's Value Theory?

**Course Outcome #2**

**The various Information Technology components and systems employed in knowledge management and business intelligence systems and the strategies used as the firm seeks to be data driven.**

**Learning Objectives for Knowledge Management, Business Intelligence and Data Driven**

1. Define the strategies of Value Creation, Profit Maximization, Cost Leadership, Knowledge Management, Business Intelligence and Data Driven.
2. Define Data storage Strategies used in systems.
3. Define Decision Support Systems used in systems.
4. Define Collaboration Systems and present strategies.
5. Define Customer Relationship Management and Supply Chain Management.
6. Describe the following strategies: Value Creation, Profit Maximization, Cost Leadership, Knowledge Management, Business Intelligence and Data Driven.
7. What is the relationship between Knowledge Management, Business Intelligence and a Firm being Data Driven?
8. What are the challenges a firm face implementing and using Knowledge Management, Business Intelligence and data driven strategies?

**Learning Objectives for Storage Strategies that enable the firm to be data driven**

1. Appraise the strengths and weaknesses of the various storage strategies used in business.
2. How does Storage Strategies impact: Value Creation, Profit Maximization, Cost Leadership, Knowledge Management, Business Intelligence?
3. Categorize the capabilities, strengths and weakness of databases, data warehouses, multimedia databases and big data and how they are used in the data driven firm.
4. Explain what best practice is.
5. Explain why Knowledge Management, Business Intelligence and Data Driven are considered a best practice and not a science.

**Learning Objectives for Decision Support Systems that enable the firm to be Data Driven**

1. Describe the role a decision support system plays in a business's effort to be data driven.
2. Compare the following decision support systems and what type of decisions they enable in terms of capabilities equipment used.
3. Explain what a Functional Information System is.
4. How does a Functional Information System benefit the business organization by being data driven.
5. Explain what a Management Information System (MIS) is.
6. What is the source of Management Information Systems information?
7. What types of reports can a Management Information Systems create, and how it can help a business become data driven?
8. How can Management Information Systems help a business become data driven?
9. What is an Enterprise Resource Planning (ERP) system composed of, and what role does it play in business organizations that seek to be data driven?
10. What is a Service-Oriented Architecture (SOA) system composed of, and what role does it play in business organizations that seek to be data driven?

**Course Outcome #3**

**Information Technology Components and Systems**

**Learning Objectives for Creating Value**

1. How are Information and Information Technology components and systems used to create value to both the firm and their customers through their impact on the firm structure?
2. What is the importance of collaboration in the creation of new and improved strategies of a firm?

**Course Outcome #4**

**Competitive Advantage**

**Learning Objectives for sustaining a Competitive Advantage**

1. How can a firm create and sustain a competitive advantage or diminish the competitive advantage of another using Information and Information Systems.

**Course Outcome # 5**

**Career Readiness**

**Learning Objectives for being Career Ready**

1. What does it mean to be career ready, and what are the benefits of being career ready?
2. In finding a career, develop a list of internship and educational opportunities using an advanced Google search.
3. List what steps to take to apply the knowledge of career readiness, and any additional action to increase career readiness.

**Course Outcome #6**

**Teamwork**

**Learning Objectives for knowing how to work in teams**

1. Demonstrate the ability to work in teams, meet deadlines and present findings in a professional manner.