MGSC 796: Information Systems

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Communication with Professor (email is preferred)
Messages should always have MGSC 796 in subject line and include your full name in the body of the email.

Course Description
This course provides an overview of computer-based information systems and will emphasize the managerial end-use facet. Information systems are critical to the modern organization. Business is dependent on computerized support in collecting, storing, organizing data and converting it to information for decision making. The right information is critical for effective decision making. As IS consulting firm, Gartner Group states “the objectives of Management Information Systems are: provide transparent access to corporate data, optimize access to data stored on multiple platforms for many groups of users, and maximize the end-user’s ability to be self-sufficient in meeting individual informational needs”. The ability to understand, digest, analyze, and filter information is key to success for any professional in any industry. Database, data warehouse, data mining, and business intelligence are pivotal in transforming operational data into effective business decisions. This course, via extensive discussions on current applications, the use of information systems cases, and hands on applications is designed to provide you with a framework for making these decisions more rationally, and enable you to appreciate the impact of information systems, on society, the economy and the performance of business organizations. The material selections are based on the assumption that students are computer literate and thus have a practical level of familiarity with MS Excel Spreadsheet software, computers, and computer applications. If you need additional help it is your responsibility to notify the instructor as soon as possible.

Course Learning Objectives
The course consists mainly of two components: the technology component and the management component. To develop a proper understanding of information systems management, the first component presents a high-level treatment of information systems technology. The second component of the course, which is in many ways more important than the first component, deals with the management and strategy related to the use, planning, and deployment of information systems.

You should be able to discuss and apply the following:
1) the evolution of information systems and decision support systems technologies
2) the business intelligence and database concepts
3) logical database design
4) the standard SQL database query language for relational databases
5) the strategic use of information systems
6) the impact of information systems on society

To facilitate and evaluate your understanding and proficiency, a number of design exercises supported by interactive data modeling tools, business intelligence programs, and case discussions will be used.

Course Materials

https://www.jerrypost.com/Books/DBBookSummary.html Class admit code 2010

They are available for $20.00 ($10 each) at https://www.jerrypost.com/Books/MISBookSummary.html or https://www.jerrypost.com/SSL/MISBookLogin/NewStudentGoogle.aspx (they have connecting links). Click the link to purchase through Google or PayPal. Follow the steps for payment; check your e-mail for the 2 registration numbers. Return to the site and click the link to register. Then you can log into the site and download everything.

Casegrader: Microsoft® Office Excel® 2007 Instant Access Code, Class admit code 854C6CA8
You are buying an access code to online resources - CANNOT BUY USED TEXT

Software:
- Microsoft Windows, Apple operating systems may not be compatible.
- Microsoft Office 2007 Excel.
- Internet Explorer 7.0 or higher with java installed

Membership in USC Blackboard
A. To login to the account go to http://vip.sc.edu to find your user id and change your password.
1. At VIP click on login.
2. Enter your Social Security Number and your student PIN and click log in (if you don’t know your student PIN call the Registrar’s Office to have it reset).
3. Click on the Technology tab.
4. Click on Show Me Network User Name.
5. Make note of your user name, then click on reset password. This will change your password to your SSN for security purposes.
6. Then click on the link Change USC Network Password Website
7. Enter your user name and old password.
8. Make up a new password and click on change password.

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<th>Date</th>
<th>Topic and Study Materials</th>
<th>Deliverable(s)</th>
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<td>1</td>
<td>1/14</td>
<td>MIS Chap 1: Introduction</td>
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<td>View in class: The World is Flat Thomas Friedman <a href="http://mitworld.mit.edu/play/264">http://mitworld.mit.edu/play/264</a></td>
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<td>2</td>
<td>1/21</td>
<td>MIS Chapter 6 Transactions and ERP</td>
<td>DUE: General Motors 1</td>
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<td>Discuss Casegrader 5</td>
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<td>3</td>
<td>1/28</td>
<td>MIS Chap 9: Decision Making</td>
<td>DUE: Casegrader 5 <a href="http://login.course.com">http://login.course.com</a></td>
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<td>Discuss Casegrader 10</td>
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<td>Read: What’s Next in Business Intelligence?</td>
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| **4** | **2/4** | **Database Management Chap 1: Introduction**  
**Database Management Chap 2: Appendix** | **DUE: Casegrader 10**  
[http://login.course.com](http://login.course.com) |
| **5** | **2/11** | **Database Management Chap 2: Design** | **DUE: Design HW 1**  
| **6** | **2/18** | **Database Management Chap3 : Normalization** | **DUE: Design HW 2**  
| **7** | **2/25** | **Midterm Exam** |  |
| **8** | **¾** | **Database Management Chap 4 and 5: Queries**  
Discuss Casegrader 11 | **DUE: Continental Airlines Case (on blackboard not text - counts as a double case 3, 4)**  
**DUE: SQL online quiz based on tutorial**  
[http://sqlcourse2.com/](http://sqlcourse2.com/) |
| **9** | **3/11** | **Spring break** |  |
| **10** | **3/18** | **MIS Chapter 12 System Development**  
**Read: ROL of XBRL**  
**Read: Are you Ready for XBRL**  
**Read: XBRL: The Language of Finance and Accounting**  
[http://www.xml.com/lpt/a/1382](http://www.xml.com/lpt/a/1382) | **DUE: Casegrader 11**  
[http://login.course.com](http://login.course.com)  
**DUE: NASA Case (5)** |
| **11** | **3/25** | **MIS Chap 10: Strategic Analysis** | **DUE American & DUE: Sabre Cases (6)** |
| **12** | **4/1** | **MIS Chapter 14: Society**  
View in class; In the year 2014 the New York times has gone offline  
[http://epic.makingithappen.co.uk/](http://epic.makingithappen.co.uk/) | **DUE: Discussion topic will be announced (7 and 8)** |
| **13** | **4/8** | **Final Exam** |  |

**Course Evaluation**
Blackboard posted case questions (15%)

The course schedule notes 8 cases that are assigned for posting. These cases are usually found at the end of the associated chapters in Management Information Systems: Solving Business Problems with Information Technology text. You are required to post your answers to questions concerning the cases to the discussion section of blackboard by the beginning of class on the due date (late submission will start with a loss of 50%). Your submission will be available for review by your fellow students and may be read during the broadcast of the class case discussion.

Business Intelligence Homework (30%)

You are required to complete 6 hands on assignments: 3 will be using the casegrader system (http://login.course.com). Carefully use the code number in your casegrader book to log on then use the Class Code: 854C6CA8 to join our class.

2 will be using the Data Design (https://www.jerrypost.com/SSL/BookLogin/Default.aspx?S=0) (Admit code for class is 2010) which is accessible through the purchase of the Post Database Design Text.

These tutorials will give hands on experience with Structured Query Language (SQL). There will be an online quiz that will evaluate your understanding of the SQL tutorials: http://sqlcourse.com/ http://sqlcourse2.com/

Examinations (30% and 25%)

All lectures and class discussions/materials covered in the course are appropriate for the examination. The exams may be a combination of multiple choice, fill in the blank, matching, short answer and essay questions.

University of South Carolina Honor Code

It is the responsibility of every student at the University of South Carolina Columbia to adhere steadfastly to truthfulness and to avoid dishonesty, fraud, or deceit of any type in connection with any academic program. Any student who violates this Honor Code or who knowingly assists another to violate this Honor Code shall be subject to discipline.

(All late submissions will be severely penalized)