Course Number: MSCC 610
Course Title: IT Concepts

Course Description:

Information technology concepts and architectures are emphasized as system resources needed to meet organizational mission and objectives. Discussions, case studies, research and other methods are used to provide foundational concepts from a management perspective including applying information technology, developing, acquiring and managing these systems. IT Concepts establishes a solid foundation for graduate level research, study and communication by introducing graduate research techniques including APA 6th Edition standards.

Prerequisite Courses:
Admission to CC&IS Master of Science Degree Program.

Prerequisite Readings and Exercises:
All new students in CC&IS are required to complete an Academic Integrity tutorial prior to the completion of your first class. Please have this completed before starting other assignments in this class. The instructions for access to that module are listed here below:
1) Go to http://worldclass.regis.edu and log in. (Set up your Regis email first)
2) Scroll to the bottom and click on “self-registration” under the Services and Support section.
3) Select the CC&IS Compliance course
4) Once in the course, click on “Content” and then click on “Academic Integrity.”
5) View the tutorial and then complete the Quiz.

Course Outcomes:
Upon completion of this course, you should be able to:

- Demonstrate an understanding of IT systems, processes and related topics.
- Demonstrate an understanding of the Jesuit Mission and Values and how they can be applied to the IT domain.
- Demonstrate a better understanding of graduate writing skills such as organization, grammar, research, and APA 6th Edition Publication standards.
- Demonstrate the ability to communicate effectively for a technical and management audience.
- Demonstrate the ability to integrate and synthesize the concepts from the course into a higher level of understanding of IT.
Course Materials:

Required Texts:


Other Required Resources:

Video "Adopting Continuous Delivery" - Jez Humble at Spark 2013: The Electric Cloud Summit
https://www.youtube.com/watch?v=ZLBhVEo1OG4&t=67s

https://www.youtube.com/watch?v=WPo7v_lrh20&list=PL_70tWFjxxV-D_cYWOQnuAA-o7oOS66a8

Other Resources:

TBD

Technology Tools:

To complete the course successfully, your computer should be capable of accessing and working within Worldclass, the Regis online learning system and the Citrix client for lab work.

You must have administrative rights on your computer in order to install software.

First night assignment:

2. Watch Library Resources for SCIS graduate students,
   http://insite.regis.edu/library/public/CS/CS_demo.htm
### Course Assignments and Activities:

<table>
<thead>
<tr>
<th>Week</th>
<th>Topics</th>
<th>Readings</th>
<th>Activities Assignments</th>
</tr>
</thead>
</table>
| 1    | Why MIS?                      | Kroenke (2017) Chapter 1. The Importance of MIS  
Chapter 2. Business Processes, Information Systems, and Information  
CE2. Collaborative Information Systems for Student Projects  
Chapter 3. Organizational Strategy, Information Systems, and Competitive Advantage | - Introductions  
- Weekly Discussions  
- Collaboration Exercise  
- Written Assignment:  
  - None |
| 2    | Information Technology        | Kroenke (2017) Chapter 4. Hardware and Software  
CE3. Mobile Systems  
iPhone, Android, Google Phone, Mobile banking  
Chapter 5. Database Processing | - Weekly Discussions  
- Lab: The Falcon Security Database  
- Annotated Bibliography – Create 2 entries  
- Written Assignment:  
  - Lab Exercise Writeup  
  - Annotated Bibliography – Submit part #1 for grading |
CE8. Network and Cloud Technology | - Weekly Discussions  
- Annotated Bibliography – Create 2 entries  
- Written Assignment:  
  - Research Paper -Software Architectures |
CE10. Supply Chain Management | - Weekly Discussions  
- Case Study  
- Collaboration  
- Annotated Bibliography – Create 2 entries  
- Written Assignment:  
  - Collaboration Exercise Writeup  
  - Annotated Bibliography – Submit part #2 for grading. |
  - Case Study  
  - Collaboration  
  - Annotated Bibliography – Create 2 entries  
  - Written Assignment:  
    - Collaboration Exercise Writeup |
|---|---|---|---|
  - Annotated Bibliography – Create 2 entries  
  - Written Assignment:  
    - Research Paper - Business Intelligence Article  
    - Annotated Bibliography – Submit part #3 for grading |
  - Annotated Bibliography – Create 2 entries  
  - Written Assignment:  
    - Research Paper - Research Hacked Companies |
  - Collaboration  
  - Annotated Bibliography – Create 2 entries  
  - Written Assignment:  
    - Collaboration Exercise Write-up  
    - Annotated Bibliography – Submit part #4 for grading |
Summary of Assignments and Percentage Weight towards Course Grade

<table>
<thead>
<tr>
<th>Assignments</th>
<th>Weighted Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Discussion Questions/ Participation (Weeks 1-8)</td>
<td>20%</td>
</tr>
<tr>
<td>Labs</td>
<td>30%</td>
</tr>
<tr>
<td>Research Papers</td>
<td>30%</td>
</tr>
<tr>
<td>Annotated Bibliography</td>
<td>20%</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>100%</strong></td>
</tr>
</tbody>
</table>

CC&IS Grading Scale

<table>
<thead>
<tr>
<th>Letter Grade</th>
<th>Percentage</th>
<th>Grade Point</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>93 to 100</td>
<td>4.00</td>
</tr>
<tr>
<td>A–</td>
<td>90 to less than 93</td>
<td>3.67</td>
</tr>
<tr>
<td>B+</td>
<td>87 to less than 90</td>
<td>3.33</td>
</tr>
<tr>
<td>B</td>
<td>83 to less than 87</td>
<td>3.00</td>
</tr>
<tr>
<td>B–</td>
<td>80 to less than 83</td>
<td>2.67</td>
</tr>
<tr>
<td>C+</td>
<td>77 to less than 80</td>
<td>2.33</td>
</tr>
<tr>
<td>C</td>
<td>73 to less than 77</td>
<td>2.00</td>
</tr>
<tr>
<td>C–</td>
<td>70 to less than 73</td>
<td>1.67</td>
</tr>
<tr>
<td>D+</td>
<td>67 to less than 70</td>
<td>1.33</td>
</tr>
<tr>
<td>D</td>
<td>63 to less than 67</td>
<td>1.00</td>
</tr>
<tr>
<td>D–</td>
<td>60 to less than 63</td>
<td>0.67</td>
</tr>
<tr>
<td>F</td>
<td>Less than 60</td>
<td>0</td>
</tr>
</tbody>
</table>

Additional information about grading can be found in the latest edition of the University Catalog, available at [http://www.regis.edu/Academics/Course%20Catalog.aspx](http://www.regis.edu/Academics/Course%20Catalog.aspx).

CC&IS Policies and Procedures

Each of the following CC&IS Policies & Procedures is incorporated here by reference. Students are expected to review this information each term, and agree to the policies and procedures as identified here and specified in the latest edition of the University Catalog, available at [http://www.regis.edu/Academics/Course%20Catalog.aspx](http://www.regis.edu/Academics/Course%20Catalog.aspx) or at the link provided.

- The CC&IS Academic Integrity Policy.
- The Student Honor Code and Student Standards of Conduct.
- Incomplete Grade Policy, Pass / No Pass Grades, Grade Reports.
- The Information Privacy policy and FERPA. For more information regarding FERPA, visit the U.S. Department of Education.
- The HIPAA policies for protected health information. The complete Regis University HIPAA
Privacy & Security policy can be found here: http://www.regis.edu/About-Regis-University/University-Offices-and-Services/Auxiliary-Business/HIPAA.aspx.


The CC&IS Policies & Procedures Syllabus Addendum summarizes additional important policies including, Diversity, Equal Access, Disability Services, and Attendance & Participation that apply to every course offered by the College of Computer & Information Sciences at Regis University. A copy of the CC&IS Policies & Procedures Syllabus Addendum can be found here: https://in2.regis.edu/sites/ccis/policies/Repository/CCIS%20Syllabus%20Addendum.docx.