BA 633: INFORMATION SYSTEMS INFRASTRUCTURE

SPRING 2017 (GRAD TERM 6)
STARTS May 15, 2017
ON-LINE SECTION BA63373G616

BASIC INFORMATION

Instructor: Dr. Cristal Ngo

Websites: http://cu.learninghouse.com – online class website

E-mail: nmngo@campbellsville.edu - (All official email will be to/from this address)
Skype: cbvfpt – Urgent issues only
Please contact me via email for all issues.

TEXT/MATERIALS

Stallings, W., & Case, T. (2013). *Business Data Communications: Infrastructure, Networking and Security* (7th ed.). Prentice Hall. ISBN: 978-0-13-302389-3.

COURSE DESCRIPTION

This is an advanced course covering information systems infrastructure. The areas covered include architecture, operating platforms, database systems, data storage, networking, wired and wireless transmission, e-commerce, cloud computing, virtual servers, and mobile computing.

COURSE OBJECTIVES:

Upon completion of this course, students should be able to:

- Examine how business utilizes telecommunications networks and information systems architecture.
- Analyze the design and uses of information technology infrastructure.
- Evaluate the advantages and disadvantages of competing solutions.
- Examine the knowledge needed to design and implement a comprehensive information system for an organization.
- Illustrate and discuss current advances in IT infrastructure.

ASSIGNMENT INFORMATION

There following assignments are required for this course:

Quiz (11)	110 points
Case Study (2)	200 points
Exams (4)	190 points
Group Discussion (6)	300 points
Research Paper (1)	200 points
Total	1000 points

NOTE: All assignments must be completed by the due time on the due date and are not accepted late.

GRADING SCALE

Grade	**A**	**B**	**C**	**D**	**F**
Percentage	100 – 90%	89 – 80%	79 – 70%	69 – 60%	Below 60%
Points	>900	800-899	700-799	600-699	<599

COURSE POLICIES

ATTENDANCE POLICY

According to the Office of the Vice President of Academic Affairs, attendance begins for all students on the first day of class. This includes students who register "late".

The University attendance policy will be followed. The policy states that a student who has missed the equivalent of one week (1) of class periods for any reason receives a warning. Any student who misses equivalent of two weeks of class periods (2) for any reason is automatically withdrawn administratively (WA) from the class and is calculated in the grade point average (GPA) as if it were an F.

Attendance for online classes is figured the same way as the face-to-face classes, using missed assignment due dates as absences. For a graduate term class, which is 8 weeks in length, if a student misses 1 week of assignment due dates, a warning will be sent. Any student who misses 2 assignment due dates will be automatically withdrawn from the class with a grade of WA.

Please see the Student Handbook for a complete explanation of the university policy. There are no excused or unexcused absences according to the policy.

APPEALS POLICY

To appeal a grade on an assignment you must send an e-mail to your instructor's e-mail address using your official CU student e-mail within five days of the grade having been posted. Overdue appeals will not be considered.

INCOMPLETE POLICY

Students will not be given an incomplete grade in the course without sound reason and documented evidence. In any case, for a student to receive an incomplete he or she must be passing and must have completed a significant portion of the course (at least 70% of the work).

ACADEMIC INTEGRITY POLICY

Students are expected to be academically honest. This is not only a matter of academic integrity, but of Christian principle. Students assume full responsibility for the content and integrity of the academic work they submit. The guiding principle of academic integrity shall be that a student's submitted assignment must be the student's own work. A student is guilty of dishonesty when he/she:

1. Represents the work of others as his/her own.
2. Shares his work with another for the purpose of enabling the other student to submit the work as his/her own.
3. Uses or obtains unauthorized assistance in any academic work.
4. Gives unauthorized assistance to other students.
5. Modifies, without instructor approval, an exam, paper, record, or report for obtaining additional credit.
6. Misrepresents the content of submitted work.

For this class, it is permissible to assist classmates in general discussions of topics. General advice and interaction are encouraged. Each person, however, must develop his or her own solutions to the assigned projects, assignments, and tasks. A student may not use or copy (by any means) another's work (or portions of it) and represent it as his/her own. **If this occurs all concerned parties will receive a grade of zero on the assignment.** If you need help on an assignment, contact your instructor.

DISABILITIES POLICY

In compliance with the Americans with Disabilities Act (ADA), all qualified students enrolled in this course are entitled to "reasonable accommodations." Please notify the instructor during the first week of class. If you have a documented disability, you must provide the instructor with the paper from Disability Services. Campbellsville University is committed to reasonable accommodations for students who have documented physical and learning disabilities, as well as medical and emotional conditions. If you have a documented disability or condition of this nature, you may be eligible for disability services. Documentation must be from a licensed professional and current in terms of assessment. Please contact the Coordinator of Disability Services at 270-789-5192 to inquire about services.

CAMPUS SECURITY AND TECHNICAL ASSISTANCE

Technical: Trevor McWhorter, Distance Learning, 270-789-5352 or tgmcwhorter@campbellsville.edu
Security: (270) 403-3611 – Cell
(270) 789-5555 – Office

COURSE ASSIGNMENTS

Course Work		Due Date	Points Possible	Time Allowed
Week 1				
Quiz 1		5/20	10	
Quiz 2		5/20	10	
Week 2				
Discussion 1		5/24	50	
Quiz 3		5/28	10	
Exam 1	**(chapters 1, 2, 3)**	**5/28**	**45**	**90 minutes**
Week 3				
Discussion 2		5/31	50	
Quiz 4		6/4	10	
Quiz 5		6/4	10	
Case Study 1		6/4	100	
Week 4				
Discussion 3		6/7	50	
Quiz 6		6/11	10	
Exam 2	**(chapters 7, 9, 10)**	6/11	**45**	**90 minutes**
Week 5				
Discussion 4		6/14	50	
Quiz 7		6/18	10	
Quiz 8		6/18	10	
Case Study 2		6/18	100	
Week 6				
Discussion 5		6/21	50	
Quiz 9		6/25	10	
Quiz 10		6/25	10	
Exam 3	**(chapters 12, 13, 14, 17)**	6/25	**60**	**120 minutes**
Week 7				
Discussion 6		6/28	50	
Quiz 11		7/2	10	
Week 8				
Research Paper		7/5	200	
Exam 4 (chapters 18, 19)		7/7	40	80 minutes

RESEARCH PAPER

Select a topic from the following list on which you would like to conduct an in-depth investigation:

- Information systems infrastructure: evolution and trends
- Strategic importance of cloud computing in business organizations
- Big data and its business impacts
- Managerial issues of a networked organization
- Emerging enterprise network applications
- Mobile computing and its business implications

Note: The above topics are also the basis of the discussion questions. You may use up to three resources found by yourself or your peers as peers as resources for the paper.

Research paper basics:

- 8-10 pages in length
- APA formatted
- Minimum six (6) sources – at least two (2) from peer reviewed journals
- Include an abstract, introduction, and conclusion
- See rubric for more detailed grading criteria

Some good questions to ask yourself before turning in your research paper:

- Is the paper of optimal length?
- Is the paper well organized?
- Is the paper clear and concise?
- Is the title appropriate?
- Does the abstract summarize well?
- Are individual ideas assimilated well?
- Are wording, punctuation, etc. correct?
- Is the paper well motivated?
- Is interesting problem/issue addressed?
- Is knowledge of the area demonstrated?
- Have all key reference been cited?
- Are conclusions valid and appropriate?

RESEARCH PAPER GRADING RUBRIC

Criteria/Categories		**Indicators/Levels**			
Score		**5**	**4**	**3-2**	**1**
Abstract and Introduction **_____ x 5 =**	/25	Introduction should be clear with a preview of the main points	Good introductory statement, but the preview of the main points is lacking	Introductory statement is vague and main points are unclear	Issue not clear and preview of the main points is incomplete
Main Points and Sub Points **_____ x 20 =**	/100	Main points are clearly stated and developed; specific examples/supporting points are appropriate and clearly developed; smooth transitions and well organized.	Main points are clearly stated but development of examples/supporting points are lacking; smooth transitions between points.	Main points are not clear. Audience has difficulty following presentation because student jumps around. Examples/supporting points are appropriate but need elaboration or are not well thought out.	Main points are not clear, Audience cannot understand presentation because there is no sequence of information. Examples/supporting points are inappropriate for issue.
Conclusion **_____ x 5 =**	/25	Well-thought out concluding statement that summarizes main points well.	Well-thought out concluding statement but does not summarize main points well.	Does not have a well-thought out concluding statement, but summarizes main points well.	Has neither a well-thought out concluding statement nor summarizes main points well.
Spelling, grammar and punctuation **_____ x 6 =**	/30	No more than two errors in any of these categories combined	No more than eight errors in any of these categories combined	Eight to twenty errors in these categories combined.	More than twenty errors in these categories combined.
Summary **_____ x 4 =**	/20	Very interesting question. Evidence that student has put a great amount of thought into the subject.	A rather interesting and challenging work, but student doesn't show much excitement in the subject matter.	Satisfactory work, but does not engage the reader	Lack of writing skills seen by the quality of work. The concept was clearly not well thought out.

HELPFUL RESOURCES

The Agile Architecture Revolution: How Cloud Computing, REST-Based SOA, and Mobile Computing are Changing Enterprise IT, 2013, Jason Bloomberg, Wiley & Sons, Inc., ISBN: 978-1-118-40977-0.

The Architecture of Computer Hardware and System Software: An Information Technology Approach, 5th edition, 2013, Irv Englander. Wiley & Sons, Inc., ISBN: 978-1-118-80310-3.

Building a Windows IT Infrastructure in the Cloud, 1st edition, 2012, David K. Rensin, O'Reilly Media, Inc., ISBN: 978-1-449-33358-4.

Business Data Communications and Networking, 11th edition, 2012. Jerry Fitzgerald. Wiley & Sons, Inc., ISBN: 978-1-118-08683-4.

Business Intelligence: A Managerial Perspective on Analytics, 3rd edition, 2014, Ramesh Sharda, Dursun Delen, Efraim Turban, and David King. Pearson Education, Inc., ISBN: 978-0-12-385126-0.

Cloud Computing: Theory and Practice, 2013, Dan C. Marinescu. Elsevier, Inc., ISBN: 978-0-12-404627-6

Data Architecture, 2011, Charles Tupper, Elsevier, Inc., ISBN: 978-0-12-385126-0.

Green Communications: Principles, Concepts, and Practice, 2015, Konstantinos Samdanis, Peter Rost, Andreas Maeder (Editor), Michela Meo, and Christos Verikoukis (Editors). Wiley& Sons, Inc., ISBN: 978-1-118-75926-4.

The Executive's Guide to Information Technology, 2nd edition, 2007, John Baschab, and Jon Plot. Wiley & Sons, Inc., ISBN: 978-0-470-09521-8.

Mobile Design and Development, 1st edition, 2009, Brian Fling. O'Reilly Media, Inc., ISBN: 978-0-596-15544-5.