

College of Business

Tennessee State University

Semester and Year: Fall 2012
Course Syllabus: BISI 3360

LOCATOR INFORMATION:

Course Name: Applied Information Technology

Credit Hours: 3

Contact Hours: 45.7

INSTRUCTOR: Name Dr. David King, PhD, CCIS, MCP, CNA, EEIC,
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Office Hours

Tues ⇨ 5:30pm – 9:00pm in Lab 274 – AWC

Wed ⇨ 8:00pm – 9:pm in Lab 274 – AWC

Preferred Contact: *For appointments - EMAIL, For emergencies – TEXT*

REQUIRED MATERIAL FOR THE COURSE:

- **LABSIM ONLINE SIMULATION SOFTWARE (ALL-IN-ONE PACKAGE)**
- **WEBSITE: WWW.TESTOUT.COM/SUPPORT/DOWNLOAD/LABSIMONLINESETUP.EXE**
- **Recommended readings by course Coordinator & Instructor**
- **Hand-outs from Course Coordinator & Instructor**

RECOMMENDED READINGS AND ACTIVITIES:

- ✓ MODULE VIDEOS
- ✓ FACTSHEETS IN ALL MODULES
- ✓ SHOW ME HANDS-ON
- ✓ PRACITCE MODULES
- ✓ MODULE REVIEW EXAMS

COURSE OBJECTIVE AND LEARNING OUTCOMES

The course takes an in-depth look at Windows Operative System (OS). It examines theoretical concepts that make the world of computers unique. In addition, BISI 3360 course adopts a practical, hands-on approach when examining Operative Systems and available techniques. Along with examining different technical implementations, students learn how to troubleshoot OS problems.

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

1. Explain the fundamental concepts of hardware systems & PC Motherboard
2. Explain the fundamental concepts of operative systems (OS)
3. Describe the core functions of Hardware & Software (OS and Applications)
4. Identify the different versions of Windows Server 2008 Administrator and their characteristics
5. Determine the usefulness of OS software
6. Discuss and analyze issues in organizational computer Systems
7. Appreciate the role of OS in organizations
8. Understand and prevents Threats to OS (e.g. TCP/IP Ports)
9. Apply fundamental knowledge in CBIS to participate in decision making in organizations
10. Establish computer systems policies and procedures
11. Understand and protect information integrity, Confidentiality and availability.
12. Identify
13. Maintain Business and computer Ethics
14. To be able to install, configure, secure, network computers using Windows Server 2008.
15. To be able to manage & optimize, use OS applications and troubleshoot Windows Server 2008.

ACADEMIC INTEGRITY:

Academic honesty and integrity lie at the heart of any educational enterprise. Students are expected to do their own work and neither to give nor to receive assistance during quizzes and examinations. Deliberate violations of academic integrity (plagiarism, cheating, misrepresentation, of information) and fabrication are not tolerated. Actions outlined in the Tennessee State University Student Handbook under Code of Student Conduct will be followed for incidents of academic misconduct.

REASONABLE ACCOMODATIONS:

Any students requiring accommodations should contact Patricia Scudder, Director of Students with Disabilities-Disabled Student Services Office, at 963-7400, preferably before the fourth class meeting. The College of Business and the Business Information Systems Department, in conjunction with the Office of Disabled Student Services, makes reasonable accommodations for qualified students with medically documented disabilities. I need to be aware of your status if it will affect your class activities and assignments---before assignments are due.

CODE OF STUDENT CONDUCT:

There will be no eating, drinking, sleeping or disruptive behavior in the classroom. Each student is encouraged participating in classroom activities, asking questions, and working along with the class as recommendations/problem solutions to illustrations, examples, and cases are examined. Additionally, cell phones must be turned off upon entering the classroom and should remain so until class has ended. Action will be taken against those students who do not adhere to appropriate classroom behavior.

TEACHING STRATEGIES

In the world of hardware and software, it is imperative to equip students with the most effective way of learning. Therefore a grant was written to obtain simulations which provide students with 24/7 365 days access to learn. The Simulation acquired for this course is a hands-on real world and industry preparation for students. This is believed to be the best applied strategy for students' effective learning.

COURSE OUTLINE

WEEK	DATE	LECTURE /TUTORIAL	LABWORK	PROJECT		
				Hands- On	Facts	
1	AUG 29	Course Overview & Introduction	What's New – IT Concepts (Weekly Discussion)	-	-	
2	SEPT 5	Hardware	Motherboard, Ports POST, CMOS, BIOS, Device Manager,	-	-	
3	SEPT 12	Deployment	Windows Server 2008, Configuring Server Core, Creating an Answer File, Using Windows Deployment Services (WDS)		1.1.2 1.1.5 1.2.5	1.3.3 1.3.4
4	SEPT 19	Network Infrastructure	DNS, Viewing Namespace Effects, Configuring Forwarders, DHCP, WINS, Configuring the GlobalNames Zone, Configuring a VPN Server, Configuring a RADIUS Solution, Configuring NAP with DHCP Enforcement, Windows Firewall, Creating an Isolation Rule	2.1.6 2.1.7 2.1.8 2.2.3 2.4.4 2.4.6 2.5.4 2.5.5 2.6.4	2.1.3 2.1.5 2.1.10 2.2.1 2.2.2 2.3.3	2.4.3 2.4.5 2.5.3 2.6.3 2.7.3
5	SEPT 26	File and Print	File Services, Storage, Configuring DFS Namespaces, Configuring DFS Replication, Configuring FSRM Features, Using Offline Files, Encryption, Using EFS, Using BitLocker, Using the Print Management Console	3.1.3 3.1.6 3.1.7 3.3.3 3.3.8 3.7.3 3.7.4	3.1.2 3.1.5 3.2.2 3.2.3 3.2.4 3.3.4 3.3.7	3.4.3 3.4.4 3.5.3 3.5.4 3.6.3 3.6.6 3.7.5
6	OCT 3	Terminal Services	Configuring Terminal Services, Configuring Remote Applications, Session Broker, Configuring TS Gateway	4.1.4 4.2.3 4.4.3	4.1.3 4.2.4	4.3.2 4.4.4
7	OCT 10	Application Server	Configuring Application Server, Adding the Hyper-V Role, Managing Virtual Servers,		5.1.3 5.2.2 5.2.5	5.2.6 5.2.7 5.2.9

WEEKLY DEMOS & EXAMS

COURSE OUTLINE (Continued)

WEEK	DATE	LECTURE /TUTORIAL	LABWORK	PROJECT			
				Hands-On	Facts		
	OCT 15-16	Fall Break					
8	OCT 17	Revision for Mid-Term Test					
9	OCT 22-28	Complete Mid-Term Test			Selected Questions		
10	NOV 7	Active Directory	Installing AD DS, RODC, Installing Certificate Services, Configuring an Online Responder, Managing GPOs, Software Distribution, Configuring Fine-Grained Password Policies	6.3.4 6.3.5 6.4.4 6.4.5 6.4.6 6.4.9	6.1.1 6.2.2 6.3.2 6.3.7	6.4.3 6.4.8 6.5.1 6.6.3	
11	NOV 14	Management	Installing WSUS, Configuring the WSUS Server, Configuring WSUS Clients, Using Reliability and Performance Monitor, Using System Resource Manager, Using Event Logs and Subscriptions, Using Server Manager, Configuring Active Directory Auditing, Delegating Control, Troubleshooting GPOs	7.1.7 7.1.8 7.1.10 7.5.5	7.1.3 7.1.11 7.2.3 7.2.5 7.3.3 7.4.3	7.5.3 7.5.4 7.6.3 7.6.4 7.7.3	
12	NOV 21	Test			Selected Questions		
13	NOV 22	Thanksgiving Holiday					
14	NOV 28	Disaster Recovery and Availability	Backing Up a Server, Restoring a Server, Backing Up GPOs, Network Load Balancing (NLB), Configuring NLB, CONFIGURING Failover Clustering	8.1.3 8.3.5 8.3.6	8.1.4 8.1.7 8.2.2 8.2.3 8.2.6	8.3.2 8.3.4 8.4.3 8.4.4	
15	DEC 5	Exam			Selected Questions		
16	DEC 12	Certification Prep Questions					
		NB !! The content of this outline is subject to amendment			© DK BISI3360_F12		

WEEKLY DEMOS & EXAMS

COURSE ASSESMENT AND GRADE SYSTEM

ASSESSMENT	PERCENTAGE (%)	MARKS	GRADE
ATTENDANCE	15	90-100	A
PARTICIPATION	15		
HANDS-ON	15	80-89	B
FACTS	10	70-79	C
MID-TERM TEST	15		
TEST	15	60-69	D
FINAL EXAM	15	>0-59	F

COURSE POLICIES:

Attendance:

1. Students are expected to be on time. All students should come to class well prepared. Arriving late to class or leaving early from class is extremely disruptive for the instructor and other students and **will not be tolerated.**
2. It is a courtesy not to eat, drink, smoke, or disturb (misbehave) during class hours. It is expected that cell phones are turned off until class is over. Note that it is against the school policy to have food, drink, cell phones, or beepers in the classrooms and Computer Labs. *Inappropriate manners (e.g. insults, disrespect, murmuring and the like) will result in a student's dismissal from the class.*
3. Students are responsible for starting and completing withdrawals or drops from the course. A **grade of F** may result from failure to comply with this requirement.

Procedures & Assignments:

1. The course instructor reserves the right to amend the class schedule if necessary during the semester.
2. 10 points will be deducted each day from a late Assignment and the assignment will not be accepted after 1-week or when graded assignments are

returned. It is strongly recommended that each member participates in group assignments (if required), as it is essential for mastering and learning the material (through exchange of ideas among colleagues).

Examination:

1. You are responsible to be in class for every exam. There are no make-up exams however a justified absence would be considered. Students are required to take the final exam to obtain a “deserved” grade.
2. Cheating on an exam (and on any assessment) will result in a **Zero** on that Exam and an **F** in the class and other possible disciplinary actions.

BIS DEGREE AND THE STUDENTS:

Students successfully completing Business Information Systems:

1. *Understands windows operative systems within business information systems curriculum and how this supports operational, tactical and strategic activities of an organization*
2. *Are able to describe the information technology infrastructure of today’s organization and how this supports the operational needs of business.*
3. *Develop a significant independent and group participation skills at the highest expectation, as well as professional presentation and technical training abilities.*
4. *Understand the role of operative systems in organizations.*

GRADUATE QUALITIES AT TSU

	1	2	3	4	5	6	7
	Body of Knowledge	Lifelong Learning	Effective Problem Solving	Work autonomously and collaboratively	Ethical action and social responsibility	Communicates effectively	International Perspectives
Unit Weighting	1.00	0.5	0.5	0.2	0.3	0.2	0.3