

## Yldefonso (Al) Montemayor

Computer Networking and Security Technology

Associate Professor

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### EDUCATION

Trinity University, San Antonio, TX

M.A. Urban Studies

Thesis: General Analysis of the Texas Academic Skills Program

UT Pan American, Edinburg, TX

B.B.A. Business Administration

Areas of Concentration: Management, Computing

### AWARDS

H.U.D. Fellowship, Trinity University –

### TEACHING EXPERIENCE

Associate Professor –TSTC Computer Networking & Security Technology 2013-Present

Master Instructor- TSTC Computer Networking & Security Technology 2005-2013

Senior Instructor/ Program Chair – TSTC Network Information Management Technology 1988-2005

Instructor – South Texas Vocational Technical Institute, Weslaco TX

### Professional Certifications:

Security+ Plus CSSIA Version July 2015

Vmware Vsphere ICM v 5.1 CSSIA Version Dec 2013

Cisco Certified Network Associate (CCNA) 2001-2003

Cisco Security Specialist 1 (CSS) 2001-2004

INFOSEC 4011 Professional Certificate 2001

Ethical Hacking and Countermeasures 2006

Computer Forensics Examiner Basic Course 2003

Structured Cabling Systems for Voice/Data “Category 5 Certification” 1996

Novell Certified Netware 3.1x Administrator (CNA) 1994

### Consulting Experience 1992 - 2004

#### APC – Home Health Care- Harlingen, TX

Cabled Office Ethernet Network and Installed Servers and Printers. Provide Training and Support.

#### Community Development Corporation- Brownsville, TX

Designed and Solicited Bids on Novell Network and implemented accounting software for the organization. Provided training and support.

#### Cole’s Cash Register Company- Harlingen, TX

Setup Modem Telecommunications between various Store Point of Sales Terminals.

Setup Database and Reports for Electronic Time clock.

#### McAllen Regional Hospital, McAllen, TX

Setup Personal Computers, Network and Software for the Hospital Doctor’s Check In/Out.

## **Work Experience:**

Texas State Technical College- Harlingen, Texas

### **Department Chair 1999-2004 – Network Information Management Tech.**

Duties and Responsibilities:

- Directed the daily operation of the program.
- Taught program courses at least half time.
- Researched the latest technology, wrote requisitions and work order requests that enhanced instruction.
- Researched job essential knowledge and skills and develop and update curriculum.
- Developed semester schedules and Plan the use of nine (9) assigned personnel.
- Interviewed and recommended applicants for vacant departmental positions.
- Evaluated and monitored the performance of all departmental personnel and recommend action to Division Director.
- Organized and utilized an Advisory Committee in accordance with published guidelines.
- Recruited/advised students and placed graduates. (Received state and national Recognition at Skills USA competition)
- Prepared and justified departmental budget, monitored expenditures, and accounted for variances.
- Created the Cooperative Education Program and arranged numerous cooperative student workstations and monitored the effectiveness of each.
- Represented the college at community, professional, and industrial functions.
- Served as chair/member on several campus wide committees.
- Furnished reports to appropriate authorities upon request or as scheduled.
- Developed and administered Program Assessment Plans based on survey data.
- Reviewed and recommended applicants to fill budgeted department positions.
- Selected, recruited, and recommended Advisory Committee members and conducted yearly meetings.
- Screened and recommend acceptance of donations from industry for departmental use.
- Developed Customer Service Plans, conducted training, and handled student complaints.

Texas State Technical College- Harlingen, Texas

### **Instructor 1988-2004 – Network Information Management Technology**

Duties and Responsibilities:

- Taught the full spectrum of Information and Networking Technology to include: PC Operating Systems, Network Operating Systems, Network Protocols, Internet/webpage technologies and applications, Database, Network Hardware, Data Communications, and Network Security.
- Advised, scheduled, registered students on a semester basis for various degree plans.
- Researched and developed curriculum, syllabi for various courses.
- Sponsored the program computer club for various fundraising, community assistance activities and employer visit trips for 5 years.
- Furnished grade and update reports to appropriate authorities upon request or as scheduled.
- Arranged cooperative student workstations throughout the State of Texas and monitored the effectiveness of each. (The largest number of students that any other TSTC Program)

South Texas Vocational Technical School- 2419 Haggard Ave., Weslaco, Texas

### **Instructor/Department Head 1983-1988 – Business Computer Application**

Duties and Responsibilities:

- Taught Business Computer applications to include Computer Operating Systems, Basic Programming, Word Processing, Spreadsheets, and Computerized Accounting.
- Researched, reviewed books and developed curriculum/syllabi for various courses.
- Sponsored the school's computer club for various fundraising, community assistance activities and employer visit trips.
- Researched, recommended and requisitioned the latest computer hardware/software technology that enhanced instruction.

**Courses Taught/Approved to Teach:**

ITSY 2330	Intrusion Detection Systems. Computer information systems security monitoring, intrusion detection, and crisis management. Includes alarm management, signature configuration, sensor configuration, and troubleshooting components. Emphasizes identifying, resolving, and documenting network crises and activating the response team.
ITNW 2305	Network Administration. Instruction in the installation, configuration, and Implementation of Linux Operating Systems.
ITNW 2321	Networking with TCP/IP. Preparation to set up, configure, use, and support Transmission Control Protocol/Internet Protocol (TCP/IP) on networking operating systems.
ITNW 2359	Web Server Support & Maintenance. Instruction in the installation, configuration, and implementation of web servers.
ITNW 1325	Fund of Networking Technologies. Instruction in networking technologies and their Implementation. Topics include the OSI reference model, network protocols, transmission media, and networking hardware and software.
ITNW 1354	Implementing & Supporting Servers. Instruction on implementing, administering, and troubleshooting information systems that incorporate Windows-based Servers in a networked computing environment.
ITNW 2359	Web Server Support & Maintenance. Instruction in the installation, configuration, and implementation of web servers.
ITNW 1325	Fund of Networking Technologies. Instruction in networking technologies and their implementation. Topics include the OSI reference model, network protocols, transmission media, and networking hardware and software.
ITSW 1307	Intro to Database. An introduction to database theory and the practical applications of a database.
ITNW 1337	Introduction to Internet. Introduction to the Internet, with emphasis on using the World Wide Web to locate, transfer, and publish information. Survey of emerging technologies on the Internet.
ITSY 2301	Firewalls & Network Security. Identify elements of firewall design, types of security and responses to security attacks. Use best practices to design, implement, and monitor a secure network.
ITSC 1309	Integrated Software Applications. Integration of applications from popular business productivity software suites. Instruction in embedding data, linking and combining documents using word processing, spreadsheets, databases, and/or presentation media software.