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Curriculum Proposal Cover Sheet - University-Wide Undergraduate Curriculum Committee

Contact Person LeAnn Wilkie		Email A	Address Diup.edu
Proposing Department/Unit		Phone	
Technology Support and Training Check all appropriate lines and comple and for each program proposal.	ete information as requested. U	se a separate cove	
Course Proposals (check all that appNew Course	oly)Course Prefix Change		_Course Deletion
XCourse Revision	Course Number and/or Title	Change	Catalog Description Change
BTST 402 Web Site Development & Ad	ministration		
Current Course prefix, number and f	ull title <u>Prop</u>	osed course prefix,	number and full title, if changing
Additional Course Designations: ch This course is also proposed as This course is also proposed as	a Liberal Studies Course.		er: (e.g., Women's Studies, -African)
3. Program Proposals	Catalog Description Ch	ange	Program Revision
New Degree Program	Program Title Chan	ge	Other - Prerequisite
New Minor Program	New Track		change
<u>Current</u> program name	<u>Prop</u>	osed program name	e, if changing
4. Approvals			Date
Department Curriculum Committee	Le aun W	ilkie	3-16-05
Chair(s)	state Nom!		3-16-65
Department Chair(s)	Linda Sy	ul	3-16-05
College Curriculum Committee Chair	Jean Wil	kie	4-11-05
College Dear	R Com		4/18/05
Director of Liberal Studies *	J		7. 7
Director of Honors College *			
Provost *			
Additional signatures as appropriate			
(include title)			
UWUCC Co-Chairs	Gail Sech	eist	10/11/0.5
* where app	icable		

Course Revision: BTST 402 Web Site Development & Administration

Part II. Description of Curriculum Change

1. Syllabus of Record.

1,14

The new syllabus of record for this revised course is attached in *Appendix A*.

2. Summary of proposed revisions:

- a. The prerequisite for this course was removed.
- b. A minor editorial correction was made in the course description.
- c. A minor editorial correction was made in the sentence preceding the objectives.
- d. An error in the course outline was corrected.
- e. The bibliography was updated.

Old Course Description:

Guides the student through a hands-on step by step process of creating an attractive, well-designed Web site for an enterprise. You will learn how to install and configure a WWW server, publish Web pages using the latest tools and set up mechanisms to manage and update your Web site and content.

New Course Description:

Guides the student through a hands-on step by step process of creating a well-designed Web site for an enterprise. You will learn how to install and configure a WWW server, publish Web pages using the latest tools and set up mechanisms to manage and update your Web site and content.

3. Justification/Rationale for revisions:

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- a. BTED 201 was listed as a prerequisite in the original syllabus of record. As part of the 2003 program revisions to meet the 120-hour mandate, BTST 401 Web Design, a new course with no prerequisite, was approved and listed as a program elective. Also, program electives were reduced from 9 credits to 6 credits as part of the same program revision. The department is removing the course prerequisite to better serve the needs of our students and MIS students who often double-major in Business Technology Support by giving them greater flexibility of choice in program electives.
- b. A minor editorial correction was made in the course description to better reflect the content of the course.
- c. A minor editorial correction was made in the sentence preceding the objectives. Previously, the first sentence read, "at the conclusion of the class you will be able to." This sentence was changed to: "at the conclusion of the class, students will be able to."
- d. A correction to an error in the course outline was made by adding a mid-term exam, adjusting the outline by 1 hour accordingly, and correcting an error in the outline's letter sequencing.
- e. The bibliography has been updated to reflect technological changes since 1997.

4. Old Syllabus of Record

The old syllabus of record is attached in *Appendix B*.

5. Liberal Studies course approval.

These changes do not affect the Liberal Studies requirements.

Part III. Letters of Support or Acknowledgment

Not required.

Appendix A: New Syllabus of Record

BTST 402 Web Site Development & Administration

3 class hours 0 lab hours 3 credits (3c-0l-3cr)

Prerequisite: None.

I. Catalog Description

Guides the student through a hands-on step by step process of creating a well-designed Web site for an enterprise. You will learn how to install and configure a WWW server, publish Web pages using the latest tools and set up mechanisms to manage and update your Web site and content.

II. Course Objectives

At the conclusion of the class, students will be able to:

- 1. Install, configure and maintain an internet or intranet server.
- 2. Develop and publish Web pages using tools to generate HyperText Markup Language (HTML) and other software tools.
- 3. Add multimedia effects to your Web site.
- 4. Market your Web site.
- 5. Manage the Web site on an ongoing basis.

III. Course Outline

A. Introduction—The Webmaster

(3 hrs)

- 1. Internet Specialist
- 2. Information Design Specialist
- 3. Media Designer
- 4. Technical Designer
- 5. Technical Manager
- 6. Professional Consultant

Б.	Pla	anni	ing You	ur Internet/Intranet Site	(7 hrs)		
	1.	Di	fferenc	ces Between Internets and Intranets			
	2.	Organizational Requirements					
		a.	Estab	lishing Web Site Objectives			
		b.	Identi	ifying Resource Needs			
	3.	Te	chnica	l Requirements			
		a.	Selec	ting An Appropriate Operating System			
			(1)	Identify Major Systems			
			(2)	Pros/Cons of Each			
			(3)	System Requirements			
		b.	Selec	ting Internet Software			
			(1)	Identify Major Programs			
			(2)	Pros/Cons of Each			
			(3)	System Requirements			
		c.	Select	ting A Web Browser			
			(1)	Identify Major or Browsers			
			(2)	Pros/Cons of Each			
			(3)	System Requirements			
C.	Setting Up and Configuring A Web Server on a Microcomputer (7 hrs)						
	1. Install and Configure Operating System						
	2.	In	stall an	d Configure Internet Software			
			•	Database Connectivity Components erv, FTP, and WWW Services			
Mid-te	erm	exa	ım·		(1 hr)		

D. Developing Enterprise-wide Content

(12 hrs)

- 1. The Nature of Business Information
- 2. The Development Process
 - a. Content Analysis
 - b. Audience Analysis
 - c. Functional Analysis
 - d. Technical Design
 - e. Defining Site Standards for Content and Organization
- 3. Layout and Design
 - a. Application of Development Process Concepts
 - b. Adding Graphics
 - c. Adding Sound
 - d. Adding Animation and Full Motion Video

E. Web Site Administration

(12 hrs)

- 1. Testing and Troubleshooting Web Site
- 2. Audit And Logging Options
 - a. Configuring Service Options
 - b. Configuring the Directories
 - c. Configuring the Logging Options
 - d. Configuring Other Options
- 3. Managing Web Site Content
 - a. Identify and Repair Broken Links
 - b. Identify and Repair Duplicate Links
 - c. Identify and Repair Orphan Files
 - d. Procedures for Reviewing Content
- 4. Using Firewalls
 - a. Examine Potential Solutions
 - b. Pros and Cons of Various Solutions

- 5. Using Data Encryption and Digital Signatures Features
 - a. Obtaining Certificates
 - b. Installing Certificates
- 6. Collecting and Analyzing Usage Statistics
 - a. NCSA/CERN and IIS Designs
 - b. Log Formats
 - c. Determining Required Information

F. Final Exam:

(2 hrs)

Total Hours:

44 hrs

IV. Evaluation Methods

The final grade for the course will be determined as follows:

Tests. Two tests (mid-term and final) consisting of multiple choice, true-false, and short essay.

60% Performance Based. Several hands-on assignments will be given throughout the semester measuring understanding of critical concepts. The weight of each assignment will vary.

10% Quizzes. Periodic unannounced quizzes will be given on the textbook and lecture material.

A = 90-100% B = 80-89%

C = 70-79%

D = 60-69%

F = 59% and below

V. Required Textbook

Textbook: DiNicolo, D. & McCann, B. (2005). MCSE/MCSA Guide to

Managing a Microsoft Windows Server 2003 Environment, Enhanced.

Boston, MA: Course Technology.

VI. Special Resource Requirements

Other than the required text no additional resources will be required of each student.

VII. Bibliography

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- Andres, C. & Herr, S. (2002). *Great Web Architecture*. Hoboken, NJ: John Wiley & Sons, Incorporated.
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Appendix B: Old Syllabus of Record

OS 402 Web Site Development & Administration

3 credits 3 lecture hours (3c-0l-3 sh)

Prerequisites: BE/CMICOIIM/LB 201 Internet & Multimedia OR Instructor Permission

I. Catalog Description

Guides the student through a hands-on step by step process of creating an attractive, well-designed Web site for an enterprise. You will learn how to install and configure a WWW server, publish Web pages using the latest tools and set up mechanisms to manage and update your web site and content.

II. Course Objectives:

At the conclusion of the class you will be able to:

- 1. Install, configure and maintain an internet or intranet server.
- 2. Develop and publish Web pages using tools to generate HyperText Markup Language (HTML) and other software tools.
- 3. Add multimedia effects to your Web site.
- 4. Market your Web site.
- 5. Manage the Web site on an ongoing basis.

III. Course Outline

A. Introduction—The Webmaster

(3 hrs)

- 1. Internet Specialist
- 2. Information Design Specialist
- 3. Media Designer
- 4. Technical Designer
- 5. Technical Manager

6. Professional Consultant

Planning Your Internet/Intranet Site

B.

	I.	D1	Differences Between Internets and Intranets				
	2.	Or	Organizational Requirements				
		a.	Estab	lishing Web Site Objectives			
		b.	Identi	fying Resource Needs			
	3.	Te	chnica	l Requirements			
		a.	Selec	ting An Appropriate Operating System			
			(1)	Identify Major Systems			
			(2)	Pros/Cons of Each			
			(3)	System Requirements			
		b.	Selec	ting Internet Software			
			(1)	Identify Major Programs			
			(2)	Pros/Cons of Each			
			(3)	System Requirements			
		c.	Selec	ting A Web Browser			
			(1)	Identify Major or Browsers			
			(2)	Pros/Cons of Each			
			(3)	System Requirements			
C.	Se	ttin	g Up aı	nd Configuring A Web Server on a Microcomputer	(7 hrs)		
	1.	In	stall an	d Configure Operating System			
	2. Install and Configure Internet Software						
		a. b.		Database Connectivity Components ner, FTP, and WWW Services			

(7 hrs)

D. **Developing Enterprise-wide Content** (13 hrs) 1. The Nature of Business Information The Development Process a. Content Analysis b. Audience Analysis c. Functional Analysis d. Technical Design e. Defining Site Standards for Content and Organization 3. Layout and Design a. Application of Development Process Concepts d. Adding Graphics e. Adding Sound d. Adding Animation and Full Motion Video E. Web Site Administration (12 hrs) 1. Testing and Troubleshooting Web Site 2. Audit And Logging Options a. Configuring Service Options b. Configuring the Directories c. Configuring the Logging Options d. Configuring Other Options Managing Web Site Content

- a. Examine Potential Solutions
- b. Pros and Cons of Various Solutions

a. Identify and Repair Broken Linksb. Identify and Repair Duplicate Linksc. Identify and Repair Orphan Filesd. Procedures for Reviewing Content

- 5. Using Data Encryption and Digital Signatures Features
 - a. Obtaining Certificates
 - b. Installing Certificates
- 6. Collecting and Analyzing Usage Statistics
 - a. NCSA/CERN and IIS Designs
 - b. Log Formats
 - c. Determining Required Information
- G. Final Activity

(2 hrs)

Total Hours:

44 hrs

IV. Evaluation Methods

The final grade for the course will be determined as follows:

Tests. Two tests (mid-term and final) consisting of multiple choice, true-false, and short essay.

60% Performance Based. Several hands-on assignments will be given throughout the semester measuring understanding of critical concepts. The weight of each assignment will vary.

10% Quizzes. Periodic unannounced quizzes will be given on the textbook and lecture material.

A = 90-100%

B = 80-89%

C = 70-79% D = 60-69%

F = 59% and below

V. Required Textbook

Textbook: Wynkoop, S. 1996. Running A Perfect Web Site. Indianapolis, IN,

Que Publishing Company.

VI. Special Resource Requirements

Other than the required text no additional resources will be required of each student.

VII. Bibliography

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