WEB ACCESSIBILITY AND DESIGN

GEORGE MASON UNIVERSITY COLLEGE OF EDUCATION AND HUMAN DEVELOPMENT INFORMATIONAL TECHNOLOGY AND SPECIAL EDUCATION

EDIT 426, EDIT 526 and EDSE 526 Web Accessibility and Design Summer Semester 2013 (3 credits) Online

PROFESSOR:

Name: Stephanie Moore, PhD

Mobile Phone: 434-326-4244 (Skype#) Office location: No office on campus

Office hours: By appointment only; contact me by email or phone first

Email address: smoore22@gmu.edu
Skype: stephanie.moore.mikado

COURSE DESCRIPTION:

Official Course Catalog Description: Develops understanding of principles of universal web design. Students apply this understanding by designing and developing accessible web site using web authoring tools. **Prerequisites:** None.

LEARNER OUTCOMES:

This course is designed to enable students to:

- 1. Understand the concept of universal design
- 2. Understand disability types and the accessibility challenges presented by digital technologies
- 3. Create basic web content using HTML and CSS
- 4. Evaluate the accessibility of existing web content
- 5. Know the basics of creating accessible Word and PDF documents
- 6. Know the basics of creating video captioning and audio description for video
- 7. Understand how to create an organization-wide accessibility policy for the procurement, creation, and delivery of technology products and services.

PROFESSIONAL/TECHNICAL STANDARDS TAUGHT:

- Web Design
 - HTML (including basic HTML 5)
 - o CSS

- Basic WAI-ARIA
- Media and document accessibility
 - Video captioning and audio descriptions
 - Adobe PDF accessibility
 - MS Word accessibility
- Accessibility laws and guidelines
 - Section 508 (U.S.)
 - Americans with Disabilities Act (ADA)
 - o Mandate 376 (European Commission)
 - Web Content Accessibility Guidelines (WCAG) 2.0
- IBSTPI Instructional Design Competencies:
 - Professional Foundations:
 - Identify and resolve ethical and legal implications of design in the work place.
 - o Planning and Analysis:
 - Identify and describe target population characteristics.
 - Analyze the characteristics of existing and emerging technologies and their use in an instructional environment.
 - Reflect upon the elements of a situation before finalizing design solutions and strategies.
 - o Design and Development:
 - Design instruction that reflects an understanding of the diversity of learners and groups of learners.

REQUIRED TEXTS:

None. All reading materials are available on the web.

Recommended:

Rose, D.H., & Meyer, A. (2002). Teaching every student in the digital age: Universal design for learning. Alexandria, VA: Association for Supervision and Curriculum Development. [Available Online http://www.cast.org/teachingeverystudent/ideas/tes/]

OPTIONAL LEARNING MATERIALS AND WORKSHOPS:

- Online training by Lynda.com http://www.lynda.com (subscription-based)
 - HTML Essential Training http://www.lynda.com/HTML-tutorials/HTML-Essential-Training-2012/99326-2.html
 - o **Dreamweaver CS6 Essential Training** http://www.lynda.com/Dreamweaver-tutorials/Dreamweaver-CS6-Essential-Training/97613-2.html
 - o CSS Page Layouts http://www.lynda.com/Web-Interactive-CSS-training/CSS-Page-Layouts/86003-2.html

REQUIRED HARDWARE:

You will need access to:

- A Windows or Macintosh computer with:
 - o a fast and reliable **broadband internet connection** (e.g., cable, DSL)
 - o speakers or headphones
 - o a microphone
- A video recording device (can be a phone, computer, webcam, video camera, or anything that can record videos)

REQUIRED SOFTWARE:

NOTE: You do not necessarily need to buy any of the software listed below, but you will need access to it. All of the required software will be available in the classroom computer labs. Please plan accordingly if you are going to use the 30-day demo.

- Readers and media players:
 - Adobe Reader (free) (or other PDF reader, such as Preview on a Mac) http://get.adobe.com/reader/
 - Quicktime (free) http://www.apple.com/quicktime/download/
 - Adobe Flash player (free) http://get.adobe.com/flashplayer/
- Word processing:
 - Microsoft Office http://office.microsoft.com
 NOTE: If you don't have a license, Office is available in nearly all computer labs on all campuses. You can also access it from home using the Virtual Computing Lab (VCL) https://www.vcl.gmu.edu.
- HTML/text editor (one of the following, or other similar program.
 DO NOT use Notepad on Windows or TextEdit on a Mac):
 - o Mac:
 - TextWrangler (free)
 http://www.barebones.com/products/textwrangler/download.html
 - BBedit (commercial) http://www.barebones.com/products/bbedit/
 - Textmate (commercial) http://macromates.com/
 - o Windows:
 - PSPad (free) http://www.pspad.com/
 - Notepad++ (free) http://notepad-plus-plus.org/
- Screen reader (choose at least one):
 - Windows
 - JAWS (commercial product; most popular screen reader; trial version available for 40 minutes at a time before you have to reboot the computer to keep using it, with essentially no expiration date) http://www.freedomscientific.com/products/fs/jaws-product-page.asp
 - NVDA (free) http://www.nvda-project.org/
 - Mac
 - VoiceOver (free, already installed on Macs)

- Multimedia content development
 - PC & Mac Camtasia (commercial product; Camtasia has captioning capability that is set to Section 508 compliance standards; there is a trial version you can use for 30 days http://www.techsmith.com/download/camtasia/)

OPTIONAL SOFTWARE

- Dreamweaver, version CS5 or higher. Dreamweaver is available on the Fairfax campus in the computer labs in Robinson A350, STAR Lab, and CLUB. On the Arlington Campus, contact Chris Tilley: 703-993-7553 to loan out a laptop in Founders Hall, Rm B115. On Prince William Campus, Bull Run Hall computer labs have Dreamweaver. You can also contact Rick Reo: 703-993-8536 for more information for Prince William. Students may also purchase their own copy at the discounted educational rate through the campus bookstore or any other retailer such as: AcademicSuperstore (http://www.academicsuperstore.com/) or JourneyEd (http://www.journeyed.com/). A free 30-day trial version is available for download from the Adobe website. *NOTE* You may need the software for more than 30 days. It is your responsibility to have access longer if needed by visiting a computer lab or purchasing the software.
- Antivirus software, free for students at http://antivirus.gmu.edu

ACCESSING THE COURSE:

Blackboard: This course uses Blackboard as the learning management system. Log in to the myMasonPortal web site (https://mymasonportal.gmu.edu/) and click on the "Courses" tab to access the class. Be sure to use a combination of browser and operating system that is compatible with the Mason web site, as explained at https://coursesandorgs.pbworks.com/w/page/30543474/Browser-Support

COURSE ASSIGNMENTS:

Note: All of the assignments are explained in greater detail in the Assignments section of the course in Blackboard.

- Ongoing assignment: Participate in weekly online discussions (8 points, 1 point per week)
- 2. Fix the accessibility issues in a Word document given by the instructor (10 points)
- 3. Create captions for a YouTube video (10 points)
- 4. Create a practice web page (10 points)
- 5. Create a simple 5-page web site with CSS styling (20 points)
- 6. Evaluate the accessibility of an existing web site (10 points)
- 7. Apply principles of Universal Design for Learning (UDL) to the modification of a selection from a storyboard for an online training module (12 points)

8. Final project: Write a comprehensive set of organization-wide accessibility and universal design policies for a mid-size company (20 points)

Total points possible: 100

ASSIGNMENT DETAILS AND GRADING RUBRICS

1. Ongoing assignment: Participate in weekly online discussions

The instructor will post weekly discussion topics. Students will respond to the topic in general, and to the posts of other students.

Online commenting protocols:

- Postings should be evenly distributed during the discussion period (not concentrated all on one day or at the beginning and/or end of the period).
- Postings should be a minimum of 50 words.
- Avoid postings that are limited to 'I agree' or 'great idea', etc. If you agree (or disagree) with a posting then say why you agree by supporting your statement with concepts from the readings or by bringing in a related example or experience.
- Address the questions as much as possible (don't let the discussion stray).
- Try to use quotes from the articles that support your postings. Include page numbers when you do that.
- Build on others responses to create threads.
- Bring in related prior knowledge (work experience, prior coursework, readings, etc.)
- Use proper etiquette (proper language, typing, etc.).

Criterion	Expected	Sufficient	Insufficient	Not Evident or
				Not Completed
Timely	2 postings well	2 postings	1 posting	0-2 postings not
discussion	distributed	distributed	somewhat	distributed
contributions	throughout the	throughout the	distributed	throughout the
	discussion	discussion	throughotut he	discussion
	period	period	discussion	period
			period	
Responsiveness	Very clear that	Readings were	Postings have	Not evident that
to discussion	readings were	understood and	questionable	readings were
and	understood and	incorporated	relationships to	understood
demonstration	incorporated	into responses	reading	and/or not
of knowledge	well into		materials	incorporated
and	responses			into the
understanding				discussion
gained from				
assigned				

reading				
Adherence to	All online	1 online	2-3 online	4 or more online
online	protocols	protocol not	protocols not	protocols not
commenting	adhered to	adhered to	adhered to	adhered to
protocols (see				
above)				
Points	15	12-14	8-11	7 or less

2. Fix the accessibility issues in a Word document given by the instructor

The instructor will provide students with a Word document that has several accessibility errors. Students will identify and remediate (fix) the errors.

Criterion	Expected	Sufficient	Insufficient	Not Evident or
				Not Completed
Accurate	All accessibility	All but one or	At least half of	Less than half of
identification	issues identified	two accessibility	the accessibility	the accessibility
and	and remediated	issues identified	issues identified	issues identified
remediation of		and remediated	and remediated,	and remediated.
accessibility			but missing	
issues			three or more	
Points	10	7-9	5-8	4 or less

3. Create captions for a YouTube video

Video requirements: Students will create a brief video with at least two minutes of narration, monologue, or dialog. The topic can be anything the student chooses, as long as the student creates the video, and there are no third-party copyright restrictions on the content.

Captioning requirements: Students will upload the video to YouTube, create a transcript for the video, upload the transcript to create a captioning file, and synchronize the transcript with the video on YouTube. See

http://support.google.com/youtube/bin/static.py?hl=en&guide=2734661&page=guide.cs for general YouTube captioning instructions.

Criterion	Expected	Sufficient	Insufficient	Not Evident or
				Not Completed
Video	All of the video	All of the video	The video meets	The video meets
requirements	requirements	requirements	half or more of	less than half of
	are met	are met	the	the
			requirements	requirements
Captioning	The transcript is	The transcript is	The transcript	The transcript

requirements	accurate, and the captions are synchronized accurately with the video on YouTube	accurate and synchronization of the captions is reasonably accurate	has a few errors, or the synchronization has a few errors	has many errors (or is not done), and there are many synchronization errors (or the captions were not synchronized)
Points	10	7-9	5-8	4 or less

4. Create a practice web page

Minimum required elements:

- a doctype
- an opening <html> and closing </html>
- a <head>, with a <title>, character encoding, and lang attribute
- a <body>, with the following elements inside it:
 - at least three paragraphs (can be placeholder text, such as "lorem ipsum" text generated at http://www.lipsum.com/)
 - o a level 1 heading
 - at least two level 2 headings (and any other headings you want to add, up to level 6)
 - a blockquote
 - o a line break
 - a horizontal line (horizontal "rule")
 - o bold and italic text using and
 - a superscript
 - a subscript
 - o an invisible comment
 - o a bulleted (unordered) list
 - o a numbered (ordered) list
 - a definition list
 - o a link to another web site
 - o a link to another place in the same page
 - o an image
 - o a simple data table

Uploading to the Mason web server: Students will upload their files to their own directory on the http://mason.gmu.edu server. The web address, once everything is set up properly and the file is uploaded, will be http://mason.gmu.edu/~yourname, where "yourname" is your Mason user name. Refer to http://webdev.gmu.edu/Setting Up a Personal Site for an overview of the account setup and upload process. Samit Vartak can help guide you through the process: SVartak@gmu.edu 703-993-3940.

Criterion	Expected	Sufficient	Insufficient	Not Evident or Not Completed
Inclusion of all required elements	All elements included	1 to 2 elements left out	3 to 5 elements left out	6 or more elements left out
Pass HTML validator at http://validator.w3.org/	No errors	1 to 2 errors	3 to 5 errors	6 or more errors
Uploading to server	The web page is uploaded to the web, on the student's mason.gmu.edu account, and is viewable by anyone with a web connection and a browser	The web page is uploaded, but there are problems viewing the file	The web page is not uploaded	The web page is not uploaded
Points	10	7-9	5-8	4 or less

5. Create a simple 5-page web site with CSS styling

Template:

- The template section must be exactly the same on each page (that's why they call it a template!)
- o A header section, marked by <div class="header">
- O A navigation section, marked by <div class="nav">
 The navigation must be constructed using a bulleted list, and must consist of 5 links. The first link must be "Home." One of the links must be "Contact," and another link must be "About" (or "About Me"). Students can choose the name of the other links. Each list item must have a unique id, for example: id="nav_home">, id="nav_about">, etc.
- o A content section, marked by <div class="content">
- o A footer section, marked by <div class="footer">

Cascading Style Sheet (CSS):

- The styles must visually turn the main navigation into a tab-like interface (either horizontal or vertical)
- o The styles must specify a font family for the body of the document
- The styles must include at least one background image. The background image must not visually conflict with the foreground text, and must not contain any important content (such as text).
- o The styles must specify at least one background color

o The styles must specify a hover and focus effect for links using the a:hover and a:focus pseudo classes. There should be one set of effects for the navigation and a different set of effects for all other links

Page-specific styles:

Each page must have page-specific styles in the head of the document to make the active tab in the navigation look selected or active. This helps users know where they are within a site by simply looking at the navigation bar. The styles must be consistent, so that no matter which page the user is on, it is obvious by looking at the navigation tabs which link is currently active/selected.

Content:

- The "About" or "About Me" page must include a professional biographical summary and a picture of the student. Optional: Students can also include information about non-professional personal interests.
- The content of the other pages can be anything the student wants, and can include placeholder text, such as "lorem ipsum" text (see http://www.lipsum.com/).

Criterion	Expected	Sufficient	Insufficient	Not Evident or
				Not Completed
Template	The template	The template	The template is	The template is
	includes all of	includes all of	missing some of	missing most or
	the required	the required	the required	all of the
	elements, and	elements, and	elements, or	required
	the template	the template	there are some	elements, and
	section is	section is mostly	variations in the	there is little
	exactly the	the same on	template	consistency
	same on every	every page	sections	between pages
	page		between pages	
Cascading Style	The CSS	The CSS	Parts of the	Most or all of
Sheet	contains all of	contains all of	required	the required
	the required	the required	elements are	elements are
	elements and	elements	missing	missing
	the style sheet			
	is well-			
	organized, well-			
	written, and			
	easy to			
	understand			
Page-specific	The page-	The page-	The styles	The styles fail to
styles	specific styles	specific styles	achieve most of	achieve the goal
	highlight the	highlight the	the goal of	of highlighting
	active/selected	active/selected	highlighting the	the
	tab and are	tab	active/selected	active/selected
	written		tab, but there	tab
	concisely		are deficiencies	
Content	The content	The content	Parts of the	Most of the

	meets all of the requirements and is written well	meets all of the requirements	content requirements are not met	content requirements are not met
Points	20	16-19	11-15	10 or less

6. Evaluate the accessibility of an existing web site

The instructor will provide students with a web site to analyze for accessibility issues.

Report Requirements: Students will find the issues and report them using a Word template supplied by the instructor. The report will include the following sections:

- **Executive summary** of no more than one page (target audience: CEOs, program managers, etc.), which will include:
 - 1. **A brief overall summary** of the accessibility status of the web site (one paragraph) as well as a
 - 2. A brief summary of how the issues affect users of each major disability type (blindness, low vision, deafness, motor disability, cognitive disability).
- Detailed list of issues in the template (target audience: web developers), with a
 reference to the relevant WCAG 2.0 violation, a brief explanation of the issue, and a
 recommended method of fixing the issue. This section of the report can be as long
 as necessary to document all of the issues.
- Detailed list of issues in the content of each page (target audience: web
 developers), with a reference to the relevant WCAG 2.0 violation, a brief explanation
 of the issue, and a recommended method of fixing the issue. This section of the
 report can be as long as necessary to document all of the issues.

Criterion	Expected	Sufficient	Insufficient	Not Evident or
				Not Completed
Report	All of the	All of the	Parts of the	Parts of the
Requirements	required	required	requirements	requirements
	components of	components of	are incomplete,	are missing, or
	the report are	the report are	or some	the majority of
	present, and	present, and	sections are	the sections
	according to	mostly	not in	are not in
	the	according to	accordance	accordance
	specifications	the	with the	with the
	above	specifications	specifications	specifications
Comprehensiveness	All the	Up to three	Between six	Seven or more
of Report	accessibility	major	and four major	major
	issues are	accessibility	accessibility	accessibility
	identified	issues are not	issues are not	issues are not
		identified	identified	identified
Quality of Report	The report is	The report is	Parts of the	Serious flaws in

	well-written,	well-written,	report are not	the writing or
	well-organized,	well-organized,	well-written or	organization of
	and can be	and is an	well-organized,	the report, or
	used as an	adequate tool	or the report is	the report is
	effective tool	for the	not as effective	ineffective as a
	for the	company to	as it should be	tool for the
	company to	make their site	as a tool for	company to
	make their web	more	the company to	make their web
	site more	accessible	make their web	site more
	accessible		site more	accessible
			accessible	
Points	10	7-9	4-6	3 or less

7. Apply principles of Universal Design for Learning to the modification of a selection from a storyboard for an online training module

The scenario: The student is part of a team reviewing work for whether it meets standards for universal design for learning. The assignment is to review a selection from a draft storyboard that will be developed into an online training module. Identify recommended revisions based on the following:

- Multi-modal representation of content (http://www.udlcenter.org/aboutudl/udlguidelines/principle1)
- Differentiated assessment (http://www.udlcenter.org/aboutudl/udlguidelines/principle2)
- Multiple means for engagement (http://www.udlcenter.org/aboutudl/udlguidelines/principle3)

Criterion	Expected	Sufficient	Insufficient	Not Evident or
				Not Completed
UDL	Representation,	All requirements	One of the	All of the
Recommen-	assessment and	are met, and the	requirements	requirements
dations	engagement are	recommend-	are not met and	are under-
	all addressed in	dations are	one is under-	developed or
	the recommen-	adequate	developed, or	some /all of the
	dations; rec's		several of the	requirements
	are provided		requirements	are not
	throughout the		are under-	addressed at all;
	storyboard and		developed; rec's	rec's are too
	suggest		are vague or	vague or weak
	improvements		weak	to address real-
	beyond what is			life issues
	in the			
	storyboard			
Points	11-12	10-8	7-5	4 or less

8. Final Project: Write a comprehensive set of organization-wide accessibility and universal design policies for a mid-size company

The scenario: The student is hired as an accessibility consultant by a technology company of 500 employees. The company's main product is a web-based financial platform for business-to-business transactions. The assignment is to create a set of comprehensive accessibility and universal design policies for the company.

Policy Requirements: The accessibility policies must ensure that:

- Top level management buys into the idea of accessibility
- The company includes accessibility as an integral part of the technology procurement (purchasing) and contract process with third-party vendors
- The company considers accessibility skills as a part of the hiring process
- Current web developers receive detailed technical accessibility training
- Current project managers receive accessibility training relevant to their job
- Accessibility is built into the product development life cycle of the company's main web-based financial product, from concept to prototype to quality control and deployment.
- Accessibility is built into the development cycle of the company's web site

Criterion	Expected	Sufficient	Insufficient	Not Evident or
				Not Completed
Policy	All requirements	All requirements	Some	Several of the
Requirements	are met, and	are met, and	requirements	requirements
	there the	there the	are not met, or	are not met or
	policies are	policies are	the policies are	the policies are
	thoughtful,	adequate to	weak in the way	too weak to
	feasible without	address real-life	they address	address real-life
	overburdening	accessibility	real-life	accessibility
	the company,	issues	accessible issues	issues
	and			
	comprehensive			
	enough to			
	address real-life			
	accessibility			
	issues			
Points	20	15-19	10-14	9 or less

Examples from the field:

Pacific Bell - http://trace.wisc.edu/docs/pacbell-ud/agpd.htm
NYNEX - http://trace.wisc.edu/docs/nynex-ud/process.htm
General Guidelines - http://trace.wisc.edu/world/gen-ud.html

CLASS SCHEDULE

Week	Topics	Assignments
Week 1	Intro to web accessibility	Due Sunday (end of week) at
June3	and universal design,	midnight: Online discussion question
	disability types, and	
	assistive technologies	**ASSIGNMENT 1 Due June 9 by
		midnight: Fix the accessibility
	Word accessibility	problems in a Word document given
		by the instructor (10 points)
Week 2	PDF accessibility	**ASSIGNMENT 2 Due June 16 by
June 10		midnight: Add captions to a YouTube
	Video accessibility:	video (10 points)
	captions and audio	
	descriptions	Also due Sunday (end of week) at
		midnight: Online discussion question
Week 3	Basic HTML	**ASSIGNMENT 3 Due June 23 by
June 17		midnight: Create a practice web page
		(10 points)
		Also due Sunday (end of week) at
		midnight: Online discussion question
Week 4	Basic CSS	**ASSIGNMENT 4 Due June 30 by
June 24		midnight: Create a simple 5-page web
		site with CSS styling (20 points)
		Due Sunday at (end of week)
		midnight: Online discussion question
Week 5	HTML accessibility	Due Sunday at (end of week)
July 1	techniques	midnight: Online discussion question
,	·	
	Introduction to	
	Dreamweaver	
Week 6	Work on accessibility	**ASSIGNMENT 5 Due July 7 by
July 8	evaluation	midnight: Evaluate the accessibility of
		an existing web site (10 points)
		Due Sunday at (end of week)
		midnight: Online discussion question

Week 7	Universal Design for	**ASSIGNMENT 6 Due July 14 Revision
July 15	Learning	recommendations for UDL applied to a
		storyboard (12 points)
		Due Sunday at (end of week)
		, ,
		midnight: Online discussion question
Week 8	Accessibility evaluation	**ASSIGNMENT 7 Due July21 Write a
July 22	tools and techniques	comprehensive set of organization-
		wide accessibility policies for a mid-
	Accessibility laws, policies,	size company (20 points)
	and protocols	
		Also Due Sunday (end of week) at
		midnight: Online discussion question

GRADING SCALE

Graduate Students (those taking EDIT/EDSE 526):

95-100% = A

90-94% = A-

87-89% = B+

83-86% = B

80-82% = B-

70-79% = C

< 70% = F

Undergraduate Students (those enrolled in EDIT 426):

95-100% = A

90-94% = A-

87-89% = B+

83-86% = B

80-82% = B-

77-79% = C+

74-76% = C

70-73% = C-

60-69% = D

< 60% = F

GMU POLICIES AND RESOURCES FOR STUDENTS

- a) Students must adhere to the guidelines of the George Mason University Honor Code [See http://oai.gmu.edu/honor-code].
- b) Students must follow the university policy for Responsible Use of Computing [See http://universitypolicy.gmu.edu/1301gen.html].
- c) Students are responsible for the content of university communications sent to their George Mason University email account and are required to activate their account and check it regularly. All communication from the university, college, school, and program

- will be sent to students solely through their Mason email account.
- d) The George Mason University Counseling and Psychological Services (CAPS) staff consists of professional counseling and clinical psychologists, social workers, and counselors who offer a wide range of services (e.g., individual and group counseling, workshops and outreach programs) to enhance students' personal experience and academic performance [See http://caps.gmu.edu/].
- e) Students with disabilities who seek accommodations in a course must be registered with the George Mason University Office of Disability Services (ODS) and inform teir instructor, in writing, at the beginning of the semester [See http://ods.gmu.edu/].
- f) Students must follow the university policy stating that all sound emitting devices shall be turned off during class unless otherwise authorized by the instructor.
- g) The George Mason University Writing Center staff provides a variety of resources and services (e.g., tutoring, workshops, writing guides, handbooks) intended to support students as they work to construct and share knowledge through writing [See http://writingcenter.gmu.edu/].

OPTIONAL SOFTWARE TO IMPROVE YOUR LEARNING AND READING COMPREHENSION

• Read and Write Gold (free) by TextHelp. For an explanation of the software, see http://www.texthelp.com/videotours/rw10marketing/intro/intro_stream_us.html
This software can improve reading comprehension and learning for people with learning disabilities, different learning styles, or those whose native language is not English. Mason is offering this free to all students, please visit Mason's Assistive Technology Initiative http://ati.gmu.edu/ for a copy of the software.

PROFESSIONAL DISPOSITIONS

Students are expected to exhibit professional behaviors and dispositions at all times.

CORE VALUES COMMITMENT

The College of Education & Human Development is committed to collaboration, ethical leadership, innovation, research-based practice, and social justice. Students are expected to adhere to these principles. http://cehd.gmu.edu/values/

For additional information on the College of Education and Human Development, Graduate School of Education, please visit our website [See http://gse.gmu.edu/].