Carolina Distance Learning Accessibility Conformance Report Revised Section 508 Edition

(Based on VPAT® Version 2.4Rev)

Name of Product/Version: Carolina Online Gateway

Report Date: 2/17/2023

Product Description: Use of Carolina Online Gateway to deliver Carolina Distance Learning lab

manual resources.

Contact Information: distancelearning@carolina.com

Evaluation Methods Used: We test Carolina Online Gateway resources with existing product knowledge, web browsers, and assistive technologies, such as screen readers.

Applicable Standards/Guidelines

This report covers the degree of conformance for the following accessibility standard/guidelines:

Standard/Guideline	Included In Report
Web Content Accessibility Guidelines 2.0	Level A (Yes)
	Level AA (Yes)
	Level AAA (No)
Revised Section 508 standards published January 18, 2017 and corrected January 22, 2018	(Yes)

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Terms

The terms used in the Conformance Level information are defined as follows:

- **Supports**: The functionality of the product has at least one method that meets the criterion without known defects or meets with equivalent facilitation.
- Partially Supports: Some functionality of the product does not meet the criterion.
- **Does Not Support**: The majority of product functionality does not meet the criterion.
- Not Applicable: The criterion is not relevant to the product.
- Not Evaluated: The product has not been evaluated against the criterion. This can be used only in WCAG 2.0 Level AAA.

WCAG 2.0 Report

Tables 1 and 2 also document conformance with Revised Section 508:

- Chapter 5 501.1 Scope, 504.2 Content Creation or Editing
- Chapter 6 602.3 Electronic Support Documentation

Note: When reporting on conformance with the WCAG 2.0 Success Criteria, they are scoped for full pages, complete processes, and accessibility-supported ways of using technology as documented in the <a href="https://www.wcashedu.com/wcashed

Table 1: Success Criteria, Level A

Criteria	Conformance Level	Remarks and Explanations
1.1.1 Non-text Content (Level A)		
Also applies to:		
Revised Section 508	Supports	Alt-text is present for all non-decorative images in lab
• 501 (Web)(Software)	Supports	manual.
• 504.2 (Authoring Tool)		
602.3 (Support Docs)		
1.2.1 Audio-only and Video-only (Prerecorded) (Level A)		
Also applies to:		
Revised Section 508	Supports	Videos of animations with no background audio have
• 501 (Web)(Software)	Supports	written descriptions that can be enabled in video player.
• 504.2 (Authoring Tool)		
602.3 (Support Docs)		
1.2.2 Captions (Prerecorded) (Level A)		
Also applies to:		All Carolina Distance Learning instructional videos have closed captions (CC) in addition to audio.
Revised Section 508	Siinnorts	
• 501 (Web)(Software)		
• 504.2 (Authoring Tool)		
602.3 (Support Docs)		
1.2.3 Audio Description or Media Alternative (Prerecorded) (Level A)		
Also applies to:		Videos of animations with no background audio have written descriptions that can be enabled in video player.
Revised Section 508	Supports	
• 501 (Web)(Software)	Supports	
• 504.2 (Authoring Tool)		
602.3 (Support Docs)		
1.3.1 Info and Relationships (Level A)		
Also applies to:	Supports	Resource has alternative text and a meaningful tab
Revised Section 508		order to provide context for screen readers.
• 501 (Web)(Software)		order to provide context for screen reducts.
• 504.2 (Authoring Tool)		

Criteria	Conformance Level	Remarks and Explanations
602.3 (Support Docs)		
1.3.2 Meaningful Sequence (Level A) Also applies to: Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Supports	Resource has a meaningful tab order.
1.3.3 Sensory Characteristics (Level A) Also applies to: Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Supported	Text-based instructions provided for content that can only be understood by shape, size, visual location, orientation, or sound.
1.4.1 Use of Color (Level A) Also applies to: Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Not applicable	Our lab manuals do not rely upon color as the only visual means of conveying information.
1.4.2 Audio Control (Level A) Also applies to: Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Supports	Video players have play/pause and volume controls.
2.1.1 Keyboard (Level A) Also applies to: Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Partially supports	Most features are keyboard-accessible, except: • Drag-and-drop interactions • Drop-down interactions • Hotspot interactions
2.1.2 No Keyboard Trap (Level A)	Supports	Keyboard focus is not trapped. Learners can use

Criteria	Conformance Level	Remarks and Explanations
Also applies to:		keyboard navigation without getting stuck.
Revised Section 508		
• 501 (Web)(Software)		
• 504.2 (Authoring Tool)		
602.3 (Support Docs)		
2.2.1 Timing Adjustable (Level A)		
Also applies to:		
Revised Section 508	Not applicable	There are no time-limited activities in the resources.
• 501 (Web)(Software)	Not applicable	There are no time-inflited activities in the resources.
• 504.2 (Authoring Tool)		
602.3 (Support Docs)		
2.2.2 Pause, Stop, Hide (Level A)		
Also applies to:		
Revised Section 508	Supports	Video players have play/pause and volume controls.
• 501 (Web)(Software)	Supports	video players have play/pause and volume controls.
• 504.2 (Authoring Tool)		
602.3 (Support Docs)		
2.3.1 Three Flashes or Below Threshold (Level A)		
Also applies to:		
Revised Section 508	Not applicable	No videos feature flashing or blinking effects.
• 501 (Web)(Software)	Trot applicable	No videos reactive hashing or billiking effects.
• 504.2 (Authoring Tool)		
602.3 (Support Docs)		
2.4.1 Bypass Blocks (Level A)		
Also applies to:		Frame elements used to group blocks of repeated
Revised Section 508	Supports	materials. An expandable/collapsible menu is available
• 501 (Web)(Software) – Does not apply to non-web software		to bypass block of content.
• 504.2 (Authoring Tool)		to bypass shock of contents
602.3 (Support Docs) – Does not apply to non-web docs		
2.4.2 Page Titled (Level A)		Pages are titled. An expandable/collapsible menu helps
Also applies to:	Supports	learners with assistive technologies understand the
Revised Section 508	1 1 1 2 2 2 2 2	layout of the resource.
• 501 (Web)(Software)		

Criteria	Conformance Level	Remarks and Explanations
504.2 (Authoring Tool)602.3 (Support Docs)		
2.4.3 Focus Order (Level A) Also applies to: Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Supports	Tab can be used to navigate between content elements.
 2.4.4 Link Purpose (In Context) (Level A) Also applies to: Revised Section 508 501 (Web)(Software) 504.2 (Authoring Tool) 602.3 (Support Docs) 	Supports	Link purpose is described in the context of the content in which it is provided.
 3.1.1 Language of Page (Level A) Also applies to: Revised Section 508 501 (Web)(Software) 504.2 (Authoring Tool) 602.3 (Support Docs) 	Supports	Language is described in the HTML programming of the resources.
3.2.1 On Focus (Level A) Also applies to: Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Supports	Focus on any of the semantic elements does not change the state unless the user initiates the functionality of that focused semantic element.
3.2.2 On Input (Level A) Also applies to: Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Supports	Submit buttons for assessment questions provided.

Criteria	Conformance Level	Remarks and Explanations
3.3.1 Error Identification (Level A) Also applies to: Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Not applicable	User is not required to complete any fields of the lab notebook except their name which is required to open the lab notebook upon first encounter.
3.3.2 Labels or Instructions (Level A) Also applies to: Revised Section 508 501 (Web)(Software) 504.2 (Authoring Tool) 602.3 (Support Docs)	Supports	Labels or instructions provided in the activity protocols and the lab notebook.
4.1.1 Parsing (Level A) Also applies to: Revised Section 508	Supports	HTML used according to spec.
4.1.2 Name, Role, Value (Level A) Also applies to: Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Supports	HTML used according to spec.

Table 2: Success Criteria, Level AA

Criteria	Conformance Level	Remarks and Explanations
1.2.4 Captions (Live) (Level AA) Also applies to:	Not applicable	Resources don't use real-time broadcasts.

Criteria	Conformance Level	Remarks and Explanations
Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)		remarke and Explanations
1.2.5 Audio Description (Prerecorded) (Level AA) Also applies to: Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Supports	Videos of animations with no background audio have written descriptions that can be enabled in video player.
1.4.3 Contrast (Minimum) (Level AA) Also applies to: Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Supports	Contrast meets or exceeds minimum requirements.
1.4.4 Resize text (Level AA) Also applies to: Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Partially supports	Lab manual text can be resized within Zoom/resize button. However, tables, drag n drop, hot spots and lab notebook cannot be resized using this button.
1.4.5 Images of Text (Level AA) Also applies to: Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Supports	When images of text are used, alt text is provided for the image.
2.4.5 Multiple Ways (Level AA) Also applies to: Revised Section 508 • 501 (Web)(Software) – Does not apply to non-web software • 504.2 (Authoring Tool)	Supports	An expandable/collapsible table of contents (menu) is provided. Figures, tables, videos and other visual elements are available using the collapsible Resource menu.

Criteria	Conformance Level	Remarks and Explanations
602.3 (Support Docs) – Does not apply to non-web docs		
2.4.6 Headings and Labels (Level AA) Also applies to: Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Supports	Descriptive headings and labels provided.
2.4.7 Focus Visible (Level AA) Also applies to: Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Supports	Keyboard focus indicator is visible when in use.
3.1.2 Language of Parts (Level AA) Also applies to: Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Partially supports	See HTML language response Simulation elements in virtual lab resources built using Storyline 360 do not support different screen reader languages for different objects in the same course.
 3.2.3 Consistent Navigation (Level AA) Also applies to: Revised Section 508 501 (Web)(Software) – Does not apply to non-web software 504.2 (Authoring Tool) 602.3 (Support Docs) – Does not apply to non-web docs 	Supports	Repeated components on each page are in the same relative order each time they appear.
 3.2.4 Consistent Identification (Level AA) Also applies to: Revised Section 508 501 (Web)(Software) – Does not apply to non-web software 504.2 (Authoring Tool) 602.3 (Support Docs) – Does not apply to non-web docs 	Supports	Components that have the same functionality are identified consistently between pages.
3.3.3 Error Suggestion (Level AA)	Not applicable	Error identification not applicable.

Criteria	Conformance Level	Remarks and Explanations
Also applies to:		
Revised Section 508		
• 501 (Web)(Software)		
• 504.2 (Authoring Tool)		
• 602.3 (Support Docs)		
3.3.4 Error Prevention (Legal, Financial, Data) (Level AA)		
Also applies to:		
Revised Section 508	Not applicable	Learners do not engage in legal commitments or
• 501 (Web)(Software)		financial transactions in the resources.
• 504.2 (Authoring Tool)		
602.3 (Support Docs)		

Table 3: Success Criteria, Level AAA

Criteria	Conformance Level	Remarks and Explanations
1.2.6 Sign Language (Prerecorded) (Level AAA)		
Revised Section 508 – Does not apply		
1.2.7 Extended Audio Description (Prerecorded) (Level AAA)		
Revised Section 508 – Does not apply		
1.2.8 Media Alternative (Prerecorded) (Level AAA)		
Revised Section 508 – Does not apply		
1.2.9 Audio-only (Live) (Level AAA)		
Revised Section 508 – Does not apply		
1.4.6 Contrast (Enhanced) (Level AAA)		
Revised Section 508 – Does not apply		
1.4.7 Low or No Background Audio (Level AAA)		
Revised Section 508 – Does not apply		
1.4.8 Visual Presentation (Level AAA)		
Revised Section 508 – Does not apply		
1.4.9 Images of Text (No Exception) (Level AAA)		

Criteria	Conformance Level	Remarks and Explanations
Revised Section 508 – Does not apply		
2.1.3 Keyboard (No Exception) (Level AAA)		
Revised Section 508 – Does not apply		
2.2.3 No Timing (Level AAA)		
Revised Section 508 – Does not apply		
2.2.4 Interruptions (Level AAA)		
Revised Section 508 – Does not apply		
2.2.5 Re-authenticating (Level AAA)		
Revised Section 508 – Does not apply		
2.3.2 Three Flashes (Level AAA)		
Revised Section 508 – Does not apply		
2.4.8 Location (Level AAA)		
Revised Section 508 – Does not apply		
2.4.9 Link Purpose (Link Only) (Level AAA)		
Revised Section 508 – Does not apply		
2.4.10 Section Headings (Level AAA)		
Revised Section 508 – Does not apply		
3.1.3 Unusual Words (Level AAA)		
Revised Section 508 – Does not apply		
3.1.4 Abbreviations (Level AAA)		
Revised Section 508 – Does not apply		
3.1.5 Reading Level (Level AAA)		
Revised Section 508 – Does not apply		
3.1.6 Pronunciation (Level AAA)		
Revised Section 508 – Does not apply		
3.2.5 Change on Request (Level AAA)		
Revised Section 508 – Does not apply		
3.3.5 Help (Level AAA)		
Revised Section 508 – Does not apply		
3.3.6 Error Prevention (All) (Level AAA)		
Revised Section 508 – Does not apply		

Revised Section 508 Report

Notes:

Chapter 3: Functional Performance Criteria (FPC)

Criteria	Conformance Level	Remarks and Explanations
302.1 Without Vision	Supports	Resources support screen readers and
	συρμοίτο	keyboard navigation.
302.2 With Limited Vision		Resources support screen readers and
	Supports	keyboard navigation. The text conforms to
		or exceeds minimum contrast guidelines.
302.3 Without Perception of Color	Supports	Resources do not use content reliant on
	συρμοί το	color perception by the learner.
302.4 Without Hearing	Supports	Resources provide closed captions for
	Supports	videos with audio.
		Resources provide closed captions for
302.5 With Limited Hearing	Supports	videos with audio. Volume controls
		available in the video player.
302.6 Without Speech	Supports	Resources do not require speech input.
302.7 With Limited Manipulation		Learners can use keyboard-accessible
		features. Most features are keyboard-
	Partially supports	accessible, except:
	r artially supports	 Drag-and-drop interactions
		 Drop-down interactions
		Hotspot interactions
302.8 With Limited Reach and Strength	Supports	Resources can be navigated via mouse,
	συρμοί το	keyboard, and mobile touchscreen

Criteria	Conformance Level	Remarks and Explanations
		gestures.
302.9 With Limited Language, Cognitive, and Learning Abilities	Does not support	Resources use visual elements as well as text to convey content when appropriate. Content is written for an entry-level college audience and may be difficult to understand for learners not at this cognitive level.

Chapter 4: <u>Hardware</u>

Notes: This chapter is not applicable to Carolina Online Gateway resources because they do not have hardware components.

Chapter 5: Software

Criteria	Conformance Level	Remarks and Explanations
501.1 Scope – Incorporation of WCAG 2.0 AA	See WCAG 2.x section	See information in WCAG 2.x section
502 Interoperability with Assistive Technology	Heading cell – no response required	Heading cell – no response required
502.2.1 User Control of Accessibility Features	Not applicable	This criterion applies to platform software, such as Microsoft Windows and Google Chrome, rather than the HTML resources of Carolina Online Gateway.
502.2.2 No Disruption of Accessibility Features	Supports	Resources do not disrupt platform accessibility features in the learner's OS or web browser.
502.3 Accessibility Services	Heading cell – no response required	Heading cell – no response required
502.3.1 Object Information	Not applicable	This criterion applies to platform software, such as Microsoft Windows and Google Chrome, rather than the HTML resources of Carolina Online Gateway.
502.3.2 Modification of Object Information	ll l	ll .
502.3.3 Row, Column, and Headers	lu lu	И

Criteria	Conformance Level	Remarks and Explanations
502.3.4 Values	u u	u
502.3.5 Modification of Values	u u	u u
502.3.6 Label Relationships	u	u
502.3.7 Hierarchical Relationships	u	u
502.3.8 Text	u	[u
502.3.9 Modification of Text	u	lu lu
502.3.10 List of Actions	u	lu lu
502.3.11 Actions on Objects	u	lu lu
502.3.12 Focus Cursor	u	l"
502.3.13 Modification of Focus Cursor	u	ll l
502.3.14 Event Notification	u	lu lu
502.4 Platform Accessibility Features	u	l"
503 Applications	Heading cell – no response required	Heading cell – no response required
503.2 User Preferences	Not applicable	Resources do not provide user-controlled preferences in the learner's OS or web browser.
503.3 Alternative User Interfaces	Supports	Resources support platform accessibility services, such as screen readers.
503.4 User Controls for Captions and Audio Description	Heading cell – no response required	Heading cell – no response required
503.4.1 Caption Controls	Supports	The video player includes a volume control and closed-captioning option at the same menu level.
503.4.2 Audio Description Controls	Supports	For videos without audio, audio description option is available in the player.
504 Authoring Tools	Heading cell – no response required	Heading cell – no response required
504.2 Content Creation or Editing (if not authoring tool, enter "not applicable")	See WCAG 2.x section	See information in WCAG 2.x section
504.2.1 Preservation of Information Provided for Accessibility in Format Conversion	Not applicable.	Carolina Online Gateway is not an authoring tool.
504.2.2 PDF Export	u .	u u

Criteria	Conformance Level	Remarks and Explanations
504.3 Prompts	u	lu .
504.4 Templates	u	lu .

Chapter 6: Support Documentation and Services

Criteria	Conformance Level	Remarks and Explanations
601.1 Scope	Heading cell – no response required	Heading cell – no response required
602 Support Documentation	Heading cell – no response required	Heading cell – no response required
602.2 Accessibility and Compatibility Features	Supports	Support documentation will explain the accessibility and compatibility features of Carolina Online Gateway.
602.3 Electronic Support Documentation	See WCAG 2.x section	See information in WCAG 2.x section
602.4 Alternate Formats for Non-Electronic Support Documentation	Not applicable	Support documentation will be provided in electronic formats.
603 Support Services	Heading cell – no response required	Heading cell – no response required
603.2 Information on Accessibility and Compatibility Features	Supports	Support services will include information on the accessibility and compatibility features of Carolina Online Gateway.
603.3 Accommodation of Communication Needs	Supports	Support services provided through Carolina Distance Learning customer service and/or the DL Digital Manager. These services can be reached via distancelearning@carolina.com.