

**PALOMAR COLLEGE**  
**COURSE OUTLINE OF RECORD FOR**  
**DEGREE CREDIT COURSE**

Transfer Course \_\_\_  A.A. Degree applicable course  
(check all that apply)

**COURSE NUMBER AND TITLE: GC 232 Web Accessibility Design**

**UNIT VALUE: 1**

**MINIMUM NUMBER OF SEMESTER HOURS: 32**

**BASIC SKILLS REQUIREMENTS:**

**Appropriate language and computational skills**

**ENTRANCE REQUIREMENTS**

**PREREQUISITE: none**

**COREQUISITE: none**

**RECOMMENDED PREPARATION: none**

**SCOPE OF COURSE:**

**Evaluate screen and Web design techniques to maximize accessibility by people with physical disabilities. Implement tools to convert documents to accessible formats. Produce sites that are accessible. Use various resources from the World Wide Web Consortium and publishers such as checklists, examples of code, conversion tools, test tools, etc. Review legal requirements (Americans with Disabilities Act and the Web Accessibility Initiative) for various sectors to provide fully accessible Web sites.**

**SPECIFIC COURSE OBJECTIVES:**

- 1. Identify business case and policy basis for accessible Web site design**
- 2. Evaluate barriers, assistive technologies, and alternative access strategies**
- 3. Design accessible Web sites**
- 4. Evaluate and retrofit Web sites for accessibility**
- 5. Find additional resources on Web accessibility**

**CONTENT IN TERMS OF SPECIFIC BODY OF KNOWLEDGE:**

- 1. Review legal requirements (Americans with Disabilities Act and the Web Accessibility Initiative) for various sectors to provide fully accessible Web sites.**

2. **Perform case studies on the Web focusing on accessibility.**
3. **Display and navigate through an inaccessible site using a screen reader OR a text-based browser.**
4. **Analyze the output of an inaccessible Web site as generated through a Lynx emulator.**
5. **Navigate several sites without using the mouse, in other words, by keyboard only.**
6. **Introduce and discuss the Web Content Accessibility Guidelines 1.0, highlighting priority one and two level checkpoints.**
7. **Show a variety of Web sites and have participants identify which sites implement the guidelines and which do not.**
8. **Implement the checklist of checkpoints for Web Content Accessibility Guidelines as a reference.**
9. **Compare badly designed Web sites (perhaps the first site that they saw; redesign them.**
10. **Discuss accessibility and sensitivity to disabled people.**
11. **Design and redesign accessible Web sites.**
12. **Evaluate the authoring tools that participants are currently using, and techniques for producing accessible sites with those tools.**
13. **Introduce the Authoring Tool Accessibility Guidelines 1.0, including features that will simplify the task of producing accessible Web sites.**
14. **Use a variety of tools to produce accessible sites; consider alternative strategies.**
15. **Test sites for accessibility.**
16. **Introduce additional WAI resources.**

**REQUIRED READING:**

**<http://www.w3.org/WAI/Resources/> and handouts from the instructor.**

**SUGGESTED READING:**

***Current sites and handouts***

**REQUIRED WRITING:**

- **Create three web pages for linking, graphics, formats, and effective placement elements for accessible communications.**
- **Two or three page report on Internet theme to provide context for experiential production exercises and projects**

**OUTSIDE ASSIGNMENTS:**

- **Students are expected to spend a minimum of three hours per unit per week in class and on outside assignments.**

- **Students are to read text, study lecture/lab notes, research and write required paper, and complete lab assignments.**
- **Students are to prepare class and project notebooks.**
- **Students will work on research and complete written assignments, study required text, complete handouts and spend time on own computer or in open lab completing computer assignments.**
- **Students will participate in online class chat sessions as well as post questions and answers to our Web Board Conference.**

**INSTRUCTIONAL METHODOLOGY:**

**Check all that apply:**

- lecture  
 laboratory  
 **XX** lecture-laboratory combination  
 directed study

**DISTANCE LEARNING:**

**This course may be offered as a distance learning course and meets Title 5 regulations 55370, 55372, 55374, 55376, 55378, and 55380.**

Yes  **XX** No

**If yes, check all that apply:**

- XX** Television Course (Video one-way, e.g. ITV, video cassette, etc.)  
 **XX** Online Course (Text one-way, e.g. newspaper, correspondence, electronic file, etc.)  
 Two-Way Video Conferencing (Two-way interactive video and audio)  
 One-Way Video Conferencing (One-way interactive video and two-way interactive audio)  
 Computer Assisted Instruction (A specialized form of mediated instruction relying primarily on student access to information and prepared lessons or teaching materials through a computer terminal, but not under immediate supervision of a qualified instructor.)

**GRADING POLICY AND STANDARDS** (include methods of determining whether the stated objectives have been met by students):

- 50% Final Presentation**
- 20% Written Assignments**
- 20% Assignments**
- 10% Exams**

**GRADING SCALE**

- 1000-900            A**
- 899-800            B**
- 799-700            C**

**699-600**            **D**  
**599-below**        **F**

**IS COURSE REPEATABLE FOR REASON(S) OTHER THAN DEFICIENT GRADE?**

Yes **XX**    No \_\_\_\_\_

Number of times course may be taken for credit: **4** \_\_\_\_\_

If yes, identify specific provision of Title 5 Division 2 section(s), 55761-55763 and 58161 which qualifies course as repeatable:

**58161(c)(2)(A)**

**CONTACT PERSON: Lillian Payn**

SIGNATURES ON FILE