

Universal Design & Accessibility Topics in College Curriculum

Measuring the Value of Accessibility and Universal Design Topics in Course Curricula Survey

LOGIC Show/hide trigger exists.

Some Information about this Survey

Please respond to this survey if you have been a student in a Computer Science, Digital Media, Environmental Design, or other technical or design-related course.

The purpose of this survey is to gauge the usefulness of **accessibility** and **Universal Design** topics in college curricula. All responses are anonymous and answering this survey is completely optional. Your agreement to participate is indicated by completing and submitting this survey.

This survey is administered by a project at the University of Colorado-Boulder but we seek responses from students of any institution. For questions or concerns about this study, contact Howard Kramer at 303-492-8672 or hkramer@colorado.edu.

Select the box below to read the full consent agreement for this survey.

Show consent agreement

LOGIC Hidden unless: Question "**Some Information about this Survey**

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Study Title: Surveying Student Benefits of Including Universal Design & Accessibility Topics in College Curriculum

Principal Investigator: Howard Kramer, UCB 599, RL1, Boulder, CO 80309

Key Personnel:

Name	Role	Department	Phone	E-mail
Howard Kramer	Principal Investigator	ATLAS	303-492-8672	hkramer@colorado.edu

IRB Protocol Number: 18-0216

Sponsor: This work is supported by a grant from the National Endowment for the Arts (#1742007019) and support from the University of Colorado Boulder, AHEAD, and Interactive Accessibility.

Your participation in this research study is voluntary. Please think about the information below carefully. Feel free to email questions to the contact above before making your decision whether or not to participate. If you decide to participate, your consent is indicated by submitting this survey. A pdf copy of this consent form can be obtained from [this link](#).

1. Purpose and Background

The purpose of this study is to gauge the usefulness of accessibility and Universal Design topics in college curricula. Specifically, we are studying if students who take courses with these topics in design and technical classes report benefits in seeking employment or if they experience benefits in other areas of their education. You are being asked to participate in this study because we would like to learn about your experiences in taking or not taking these topics in your coursework. Your answers will help to determine if including accessibility topics in coursework provides benefit

to students and helps determine what topics in this area might be most beneficial.

2. **Study Tasks and Procedures**

You are being asked to respond to an online survey. You can complete the survey at your convenience. Unless you provide your name and contact information for a follow-up interview (optional), your response will be anonymous. If you do provide your name or email identifying information will be separated from any other data collected, maintaining your privacy and anonymity in all published and written data resulting from this study.

3. **Duration** - The survey will take less than 15 minutes of your time.

4. **Participants** – We expect about 500 individuals to be a part of the study.

5. **Study Withdrawal**

If you provide your name for a follow-up interview, you have the right to withdraw your consent or discontinue participation at any time. Simply send an email to hkramer@colorado.edu if you wish to withdraw. You have the right to refuse to answer any question(s) for any reason.

6. **Risks and Discomforts**

The risks to you are minimal since your individual responses to this survey are anonymous, and in cases where your name is provided, will remain confidential. No one except the researchers will have access to your responses with your identifying information. Identifying information (for example, your name), if provided, will only be used to combine the survey answers with any future surveys, and will be deleted prior to any subsequent analysis.

7. **Potential Benefits**

We cannot promise any benefits to you or others from your taking part in this research. However, through participation in this study you will have the opportunity to provide valuable information on the usefulness and benefits of accessibility and Universal Design topics in college curricula. Information from this research study may influence the decision of colleges and universities to include these topics in their design and technical programs.

8. **CU Boulder Students or Employees**

If you are a CU Boulder student or employee, taking part in this research is not part of your class work or duties. You can refuse to enroll, or withdraw after enrolling at any time, with no effect on your class standing, grades, or job at CU Boulder. You will not be offered or receive any special consideration if you take part in this research.

9. **Confidentiality**

Information obtained about you for this study will be kept confidential to the extent allowed by law. Research information that identifies you may be shared with the University of Colorado Boulder Institutional Review Board (IRB) and others who are responsible for ensuring compliance with laws and regulations related to research, including people on behalf of the Office for Human Research Protections. The information from this research may be published for scientific purposes; however, your identity will not be given out.

1. **Compensation**

You will not be paid to participate in this study. Participant Rights Taking part in this study is your choice. You may choose either to take part or not take part in the study. No matter what decision you make, there will be no penalty to you in any way.

2. **Participant Rights**

Taking part in this study is your choice. You may choose either to take part or not take part in the study. No matter what decision you make, there will be no penalty to you in any way.

3. **Contact and Questions**

For questions, concerns, or complaints about this study, or think the research has hurt you, call Howard Kramer at 303-492-8672 or email at hkramer@colorado.edu.

This research has been reviewed and approved by an IRB. You may talk to them at (303) 735-3702 or irbadmin@colorado.edu if:

- Your questions, concerns, or complaints are not being answered by the research team.
- You cannot reach the research team.
- You want to talk to someone besides the research team.
- You have questions about your rights as a research subject.
- You want to get information or provide input about this research.

4. **Providing your Consent**

Your agreement to participate is indicated by completing and submitting this survey. Again, your participation is entirely voluntary. You may email any questions to the researcher listed above at any time. Your signature is not required on any document.

LOGIC Show/hide trigger exists.

Definition of Terms

Not sure what the terms **Universal Design** or **accessibility** mean? Check the box below for definitions.

Show definitions

LOGIC Hidden unless: Question "**Definition of Terms**

Not sure what the terms **Universal Design** or **accessibility** mean? Check the box below for definitions."

Accessibility

Accessibility refers to the design of products, devices, services, or environments for people with disabilities. The concept of accessible design ensures both "direct access" (i.e. unassisted) and "indirect access" meaning compatibility with a person's Assistive Technology (for example, a wheelchair or computer screen readers). [1]

Universal Design

Universal design is the design of products and environments to be usable by all people, to the greatest extent possible, without the need for adaptation or specialized design. The intent of universal design is to simplify life for everyone by making products, communications, and the built environment more usable by as many people as possible at little or no extra cost. Universal design benefits people of all ages and abilities [2]

[1] <https://www.disabled-world.com/disability/accessibility/>

[2] https://projects.ncsu.edu/design/cud/about_ud/about_ud.htm

Survey Questions

LOGIC Show/hide trigger exists.

1. Are you 18 years of age or older? *

- Yes No

LOGIC Show/hide trigger exists. Hidden unless: #1 Question "Are you 18 years of age or older?" is one of the following answers ("Yes")

2. Were there topics related to Universal Design and/or accessibility for persons with disabilities addressed in a college-level course you completed? (see definitions of Universal Design and accessibility above) *

- yes no not sure

LOGIC Show/hide trigger exists. Hidden unless: #2 Question "Were there topics related to Universal Design and/or accessibility for persons with disabilities addressed in a college-level course you completed?"

(see definitions of Universal Design and accessibility above)" is one of the following answers ("no")

3. Please tell us the reasons why you did not take any classes that addressed Universal Design or accessibility topics:

- As far as I know, there were no courses that offered these topics.
- Classes with these topics were offered but I was not interested.
- Other - Write In

LOGIC Hidden unless: #3 Question "Please tell us the reasons why you did not take any classes that addressed Universal Design or accessibility topics:" is one of the following answers ("As far as I know, there were no courses that offered these topics.")

4. Would you have been interested in taking courses with these topics if they were offered?

- 1 - yes, very much so
- 2 - somewhat
- 3 - No, not at all

LOGIC Hidden unless: #2 Question "Were there topics related to Universal Design and/or accessibility for persons with disabilities addressed in a college-level course you completed? (see definitions of Universal Design and accessibility above)" is one of the following answers ("yes")

5. As best as you can recollect, what was the name of the course?

(If you took more than one course with UD and accessibility topics, select the course that was either the most effective or that covered the topic most thoroughly)

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6. Was the primary focus of the course Universal Design and/or accessibility or were these topics a component of a course with a broader scope?

- Primarily focus of course
- A large component of the course but not the primary focus
- A small part of the course
- Other - Write In

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7. On a scale of 1 to 5, with 1 indicating "no value" and 5 indicating "crucial," please rate the usefulness of taking a course with topics that included Universal Design and/or accessibility. *

- | | | | | |
|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| 1 - no value | 2- some value | 3 - worthwhile | 4 - very
valuable | 5 - crucial |
| <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |

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8. Were there any topics included in the material on Universal Design or accessibility that you found to be particularly valuable? *

Yes No

LOGIC Hidden unless: #8 Question "Were there any topics included in the material on Universal Design or accessibility that you found to be particularly valuable?" is one of the following answers ("Yes")

9. If yes, please enter them below.

LOGIC Show/hide trigger exists. Hidden unless: #2 Question "Were there topics related to Universal Design and/or accessibility for persons with disabilities addressed in a college-level course you completed? (see definitions of Universal Design and accessibility above)" is one of the following answers ("yes")

10. Since taking the class, have you found the material on Universal Design or accessibility to be valuable for you in specific ways? *

Yes No

LOGIC Hidden unless: #10 Question "Since taking the class, have you found the material on Universal Design or accessibility to be valuable for you in specific ways?" is one of the following answers ("Yes")

11. If so, please give examples. Things to consider could include ideas or techniques you have used in later coursework, value in getting a job, ideas or techniques you have used in a job, and influence on your career plans. (If you feel the material has not been valuable, please leave these responses blank.)

Employment or work related

Coursework related

Other examples 1

Other examples 2

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12. Do you have any plans to continue learning about accessibility and Universal Design, either through formal classwork, additional certifications or otherwise?

- yes
- maybe
- no

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13. Was this an undergraduate or graduate level course?

- undergraduate
- graduate
- Other - Write In

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14. Was this a 2-year, 4-year, or vocational school?

- 2-year school
- 4-year school
- vocational school
- Other - Write In

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15. Which state was this course offered in?

Alabama
Alaska
Arizona
Arkansas
California
Colorado



Connecticut
Delaware
Florida
Georgia
Hawaii
Idaho
Illinois
Indiana
Iowa
Kansas
Kentucky
Louisiana
Maine
Maryland
Massachusetts
Michigan
Minnesota
Mississippi
Missouri
Montana
Nebraska
Nevada
New Hampshire
New Jersey
New Mexico
New York
North Carolina
North Dakota
Ohio
Oklahoma
Oregon
Pennsylvania
Rhode Island
South Carolina
South Dakota
Tennessee
Texas
Utah
Vermont
Virginia
Washington
Washington, D.C.
West Virginia
Wisconsin



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16. What is the name of the program or department where the course was offered?

(i.e. Computer Science, Communications, etc.)

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17. To the best of your recollection, please enter the semester or quarter that you took the course

(e.g. spring 2016).

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18. Have you graduated since taking the course

yes

no

LOGIC Hidden unless: #18 Question "Have you graduated since taking the course" is one of the following answers ("yes")

19. What was the approximate date you graduated?
(mm/dd/yy)

LOGIC Hidden unless: #1 Question "Are you 18 years of age or older?" is one of the following answers ("Yes")

20. Please select your age group.

- 18 - 21
- 22 - 27
- 28 - 38
- 39 - 50
- Over 50

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21. If you are willing to answer future surveys or discuss your use of Universal Design beyond in a follow-up interview, please enter your first name and email in the field below.

First Name

Email

LOGIC Hidden unless: #1 Question "Are you 18 years of age or older?" is one of the following answers ("Yes")

22. Use the space below to provide any additional comments or to clarify any answers you provided above.

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Thank you for taking the time to complete this survey!

LOGIC Hidden unless: #1 Question "Are you 18 years of age or older?" is one of the following answers ("No")

This survey is only open to individuals 18 years of age or older. Thank you for your interest in the survey.

Thank You!

Thank you for taking our survey. Your response is very important to us.