

Sustainability Literacy and Cultural Survey

Start of Block: Welcome to the 2023 UMass Chan Sustainability Culture

Welcome! **Welcome to the 2023 UMass Chan Sustainability Culture Survey**

You are invited to participate in a voluntary survey about sustainability at UMass Chan Medical School. The purpose of this survey is to understand more about what the UMass Chan community knows about sustainability and climate change. This survey is being conducted by the Office of Sustainability. Survey results will be summarized to protect participants' identities.

The survey will take approximately 10-12 minutes to complete. You are free to skip any questions you do not want to answer and you can withdraw your participation at any time. If you would like to be entered in for a chance to win a free fitness club membership for one month, you will be asked to do so at the end of the survey.

If you have any questions or would like further information on this research, please contact: growinggreen@umassmed.edu.

Thank you for your participation!

End of Block: Welcome to the 2023 UMass Chan Sustainability Culture

Start of Block: Demographic Data

Q1 What is your primary status at UMass Chan?

- Staff (1)
 - Faculty (2)
 - Doctoral Student (4)
 - Other (Please Specify) (5)
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Q2 How many years have you been at UMass Chan?

- 0-2 (1)
 - 3-4 (2)
 - 5-6 (3)
 - 7-8 (4)
 - 9-10 (5)
 - More than 10 (6)
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Q3 What is your age range?

- 18-24 (1)
 - 25-29 (2)
 - 30-39 (3)
 - 40-49 (4)
 - 50-59 (5)
 - 60+ (6)
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Q4 What is your gender?

- Woman (1)
- Man (2)
- Non-binary / third gender (3)
- Prefer not to say (4)

Q5 What is your race? (check all that apply)

- Asian (1)
 - Black or African American (2)
 - Native American or Alaskan Native (3)
 - Native Hawaiian or Pacific Islander (4)
 - White (5)
 - Other (please specify) (6)
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End of Block: Demographic Data

Start of Block: Sustainability Literacy

Q6 The first section of this survey is an assessment of your **sustainability literacy**. The sustainability literacy component focuses on your knowledge of sustainability topics and challenges.

According to the Environmental Protection Agency (EPA), **sustainability** is based on a simple principle:

Everything that we need for our survival and well-being depends, either directly or indirectly, on our natural environment. To pursue sustainability is to create and maintain the conditions under which humans and nature can exist in productive harmony to support present and future generations.

Q7 Which of the following sustainable initiatives does UMass Chan have? (check all that apply)

- Solar investments (1)
 - Internships for sustainability (2)
 - Charging stations for electric vehicles (3)
 - Climate Change teach-in (4)
 - Composting (5)
 - Community garden (6)
 - Geothermal heating/cooling (7)
 - Hydropower (8)
 - LEED Buildings (9)
 - Sustainability Tracking, Assessment Rating System (STARS) Report (10)
 - Rooftop gardens (11)
 - Electric fleet vehicles (12)
 - Community Supported Agriculture (CSA) Program (13)
 - I do not know (14)
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Q8 How aware are you that the University of Massachusetts has a system-level Sustainability Policy which establishes goals across 10 pillars of sustainability?

- Very aware (1)
 - Fairly aware (2)
 - Slightly aware (3)
 - Not aware at all (4)
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Q9 Which of these statements is most accurate?

- Climate change is caused mostly by natural changes in the environment outside of human control. (1)
 - Climate change is caused equally by human activities and natural changes in the environment. (2)
 - Climate change is caused mostly by human activities. (3)
 - Climate change is not happening at all. (4)
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Q10 Which of the following are current or predicted effects of climate change? (select all that apply)

- Drought (1)
 - Flooding (2)
 - Overall lower agricultural yields (3)
 - Overall higher agricultural yields (4)
 - Wildfires (5)
 - Improved air quality (6)
 - Political instability (7)
 - Rising sea levels (8)
 - Disappearing ozone layer (9)
 - Extreme heat (10)
 - Negative human health impacts (11)
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Q11 How much of the Earth's water is fit for human consumption?

- 60% (1)
 - 40% (2)
 - 10% (3)
 - 1% (4)
-

Q12 Climate change disproportionately impacts people in marginalized and low income communities because: (select all that apply)

Infrastructure in developing countries can be less resilient to storms (1)

People with low incomes have fewer resources to rebuild or relocate after natural disasters (hurricanes, flooding, tornadoes, etc.) (2)

People with low incomes are more likely to live in areas threatened by flooding, water scarcity, poor air quality, and diseases spread by insects and other arthropods. (3)

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Q13 Climate change can cause the following health risks (check all that apply):

- Injury or mortality from extreme weather events (1)
 - Heat-related illness (2)
 - Respiratory illness (3)
 - Water-borne diseases and water-related health impacts (4)
 - Zoonoses (5)
 - Vector-borne diseases (6)
 - Malnutrition (7)
 - Damage to mental and psychosocial health (8)
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Q14 Which of the following are considered to be renewable energy resources? (select all that apply)

- Biomass (1)
 - Coal (2)
 - Natural gas (3)
 - Oil (4)
 - Petroleum (5)
 - Hydro-electric (6)
 - Nuclear (7)
 - Diesel (8)
 - Solar (9)
 - Wind (10)
-

Q15 Which of the following statements about greenhouse gases is true?

- Methane is the most prevalent greenhouse gas. (1)
 - Greenhouse gasses help cool the Earth. (2)
 - Carbon dioxide is the most prevalent greenhouse gas. (3)
 - Greenhouse gasses allow solar radiation to escape from the Earth's atmosphere. (4)
 - I do not know (5)
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Q16 What is the most common cause of pollution of waterways (e.g., streams, rivers)?

- Dumping of garbage by cities (1)
 - Surface water running off yards, city streets, paved lots, and farm fields (2)
 - Litter near streams and rivers (3)
 - Waste dumped by factories (4)
 - I don't know (5)
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Q17 Which of the following would be considered the most environmentally sustainable practice?

- Recycling all recyclable packaging (1)
 - Reducing consumption (2)
 - Buying products labeled "eco" or "green" (3)
 - Buying the newest products available (4)
 - I do not know (5)
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Q18 What is meant by the term "carbon footprint"?

- The amount of carbon in a gallon of gasoline. (1)
- The carbon left on the ground each time you take a step. (2)
- It refers to the greenhouse gasses released by a given activity in terms of carbon dioxide equivalents. (3)
- I do not know (4)

End of Block: Sustainability Literacy

Start of Block: Sustainability Culture at UMass Chan

Q19 The second section of this survey is an assessment of campus sustainability culture. The cultural assessment focuses on sustainability values, behaviors, and beliefs, and may also address awareness of campus sustainability initiatives.

Q20 To what extent do you agree with the following?

	Strongly Agree (1)	Somewhat agree (2)	Neither agree nor disagree (3)	Somewhat disagree (4)	Strongly disagree (5)
Sustainability includes social, environmental, and economic factors (1)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
It is important for UMass Chan to mitigate and adapt to climate change through its operations and programs (2)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
UMass Chan is doing enough to combat climate change (3)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
UMass Chan is committed to using sustainable practices (4)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I feel empowered to contribute to sustainability at UMass Chan (5)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I feel informed about what is going on at UMass Chan about sustainability (6)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Climate and health are interrelated (7)

Climate change will impact my local community (8)

Q21 How often do you do each of the following?

	Always (1)	Most of the time (2)	About half the time (3)	Sometimes (4)	Never (5)
Recycle paper, plastic, metal, glass, and chemicals (1)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Turn off lights or appliances when not in use (2)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Use a reusable cup and/or water bottle (3)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Discuss climate change or sustainability (4)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Make food changes with sustainability in mind (5)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

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Q22 How motivated are you to adopt sustainable practices?

- It's my passion (1)
 - I will go out of my way (2)
 - I will do it if it's convenient (3)
 - I do not think about it (4)
 - I do not want to be sustainable (5)
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Q23 How would you rate your level of concern about the environment?

- Not at all concerned (1)
 - Slightly concerned (2)
 - Moderately concerned (3)
 - Very concerned (4)
 - Extremely concerned (5)
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Q24 What would incentivize you to take sustainable modes of transportation? (select all that apply)

- Stipend (1)
- Carpooling/Rideshare App (2)
- Free shuttles from Union Station to campus (3)
- Discounted/free public transit passes (4)
- Free e-bike and maintenance in exchange for giving up parking (5)
- Other (please specify) (6)

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Q25 Please rank the following list of policies for addressing climate change based on what you think UMass Chan should prioritize. (#1 is the highest priority, #11 is the lowest).

- _____ Invest in battery storage for renewable energy (1)
 - _____ Cut emissions of methane and other non-CO2 gasses (2)
 - _____ Improve energy efficiency of buildings (3)
 - _____ Put a price on carbon (4)
 - _____ Electrify transportation fleet (5)
 - _____ Improve access to sustainable means of transportation (6)
 - _____ Plant trees and native/pollinator-friendly plants (7)
 - _____ Reduce water usage (8)
 - _____ Increase sustainable purchasing (9)
 - _____ Implement waste reduction programs (such as composting) (10)
 - _____ Expand environmental justice practices and programs (11)
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Q26 Open response: Are there any other actions you feel UMass Chan could be doing to improve its sustainability?

Q27 I would like the Office of Sustainability to reach out to me about ways to be involved in sustainability initiatives on campus.

Yes! Here is my email address: (1)

Skip (2)

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Q28 If you are interested in being entered in for a chance to win a free month of fitness center membership, please provide your email address below.

End of Block: Sustainability Culture at UMass Chan
