United Nations Sustainable Development Goals Open Pedagogy Faculty Fellowship

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CCCOER-OEC and SUNY Webinar
Overview

• Introduction to Montgomery College

• UN SDG Open Pedagogy Faculty Fellowship

• Q & A
By the Numbers

- 2-year public community college in Montgomery County, Maryland
- 3 campuses + online
- 500 FT faculty, 950 PT faculty
- 54,000 students from 165 countries
- *The Chronicle of Higher Ed:* MC ranked #1 most diverse CC in continental U.S.
Montgomery College

MC Open

MC Open
Improve Student Success Through Open Education Resources (OER)

Success
Increase student engagement, retention, and success

Access
Level the playing field through increased access to course content

Affordability
Reduce education costs

Collaboration
Increase collaboration among faculty and disciplines
Our Journey toward Open Pedagogy

Cost Savings  
Student Learning  
Social Justice
Summer 2018 Faculty Fellowship

• Co-led with Dr. Michael Mills, Vice President of E-Learning, Innovation, and Teaching Excellence (ELITE)

• Objectives:
  1. Place students at the center of their learning process
  2. Engage students in more engaging, authentic, and collaborative learning environment
  3. Have students become active agents of change using United Nations Sustainable Development Goals (UN SDG) framework to achieve global justice
  4. Freely share assignments and projects with the world to increase access to high quality education (UN SDG #4)
Requirements of Faculty Fellowship 2018

• Call for applications during Open Ed Week, and faculty selections announced in April 2018

• Interdisciplinary and intercampus faculty teams tackle at least one common SDG – 15 faculty fellows in 7 teams across 12 disciplines in 16 courses with 570+ students

• Four mandatory Summer 2018 meetings, including faculty presentations at the final meeting

• Three renewable assignments, two of their choosing to be deployed in Fall 2018 courses

• Student showcase in Spring 2019
MC UN SDG Open Pedagogy Faculty Fellowship Website

United Nations Sustainable Development Goals Open Pedagogy Fellowship

Open educational resources (OERs) increase access to education and empower students in the learning process. Open pedagogy - a component of OERs - places the student at the center of that learning process in a more engaging, collaborative learning environment in order to achieve social justice in the
United Nations Sustainable Development Goals Open Pedagogy Fellowship

"Cultivating Responsible Use and Recycling Practices of Plastic Products"

Introduction: You are a part of a collaborative effort to increase access to education and empower students through "open pedagogy." Open pedagogy is a "free access" educational practice that places you, the student, in the center of your learning process in a multi-legate, collaborative learning environment. The ultimate purpose of this effort is to achieve greater social equity in learning in which the work can be shared with the broader community. This is a responsible assignment that is designed to enable you to become an agent of change to your community through the framework of the United Nations Sustainable Development Goals (SDGs). For this week, you will integrate the disciplines of Spanish and geographic chemistry to achieve SDG #12, which is responsible consumption and production.

Instructions:

Part 1: View one of the following documents listed below where recycling practices are in place and then write an essay using the text below. Take note of any facts you can report, please, global impacts, etc., that make you feel that something is being done about it.

1. Plastic Paradox: The Great Pacific Garbage Patch
2. A Plastic Planet
3. Tapped (This video is copyrighted material)
4. Tapped (This video is copyrighted material)
5. Covered (This video is copyrighted material)
6. Plastic: The Right to Know (This video is copyrighted material)

Part 2: Investigate how your recycling practices are impacting rivers, ponds, the ocean, the earth, and the consequences that can have on our life and on human health. Look up several articles, blogs, videos, and other people locally (i.e., no industry, a university) to learn more about the impact of recycling practices in your community. The Spanish-speaking country you selected in other areas of the world. Then, working with a partner, combine the research you have found to create an informational pamphlet, video, or social media post to raise awareness and to communicate the impact that your recycling practices can have on society, both in your local community and the specific Spanish-speaking country you selected.

"Cultivating responsible use and recycling practices of plastic products" is licensed by Christine Gentle and Cary Newman under the Creative Commons Attribution 4.0 International License.
¿Qué es el reciclaje?
- El reciclaje es la eliminación de basura. Sin embargo, en lugar de ir a un vertedero, los productos reciclados se convierten en nuevos materiales, que reduce los residuos.

¿Por qué es importante el reciclaje?
- El reciclaje reduce la contaminación del aire y del agua
- El reciclaje reduce el número de vertederos
- El reciclaje reduce los residuos
- El reciclaje preserva el medio ambiente
- El reciclaje es bueno para la salud humana y animal

Prácticas de reciclaje en España
- España necesita mejorar sus prácticas de reciclaje. Según los últimos datos de Eurostat, España recicla solo el 29% de sus residuos, que está muy por debajo de lo que la Unión Europea requiere. Como resultado, la mayoría de los residuos van a vertederos donde omiten productos químicos peligrosos en el medio ambiente. Cuando se incinen estos productos químicos, pueden causar cáncer, enfermedades cardíacas y daño cerebral en humanos.
- En España, la basura no sólo va a los vertederos. Una gran cantidad de basura se tira en el suelo. Esta basura inevitablemente termina en el océano donde se convierte en peligro para la vida marina. Los animales mueren a menudo debido por consumir la basura o enredarse en ella.
- Sin embargo, después de ver el impacto negativo que pueden tener las prácticas de reciclaje deficientes, España está comenzando a mejorar sus hábitos. El gobierno comenzó a educar a sus ciudadanos sobre la importancia del reciclaje y también proporcionó más contenedores de reciclaje por las ciudades y pueblos. Debido a estos esfuerzos, Eurostat predice que para el año 2020, España reciclará casi el 50% de sus residuos.

Prácticas de reciclaje en la comunidad local
- En el condado de Montgomery hay avances de reciclaje cada vez.
- En estos eventos las personas reciclan basura, plástico y ropa.
- El reciclaje es importante para mantener limpio el condado de Montgomery.

Datos asombrosos
- En el mundo, cada minuto, los humanos usan 1,000,000 de bolsas plásticas y cada tres minutos, 85,000,000 botellas plásticas.
- En los Estados Unidos se utilizan más de 100,000,000 de bolsas plásticas al día.

Cómo puede ayudar
- Recicle los productos reciclables. Por ejemplo, aluminio, plástico, papel y vidrio.
- Reduzca la cantidad de productos desechables que utiliza. En sus lugares, utilice productos reutilizables como bolsas reutilizables, tazas de café, botellas de agua y pañales.
- Recoge la basura que ve en el suelo o en el agua. Esto podría salvar la vida de un animal.
- Espere a tirar la basura lejos hasta que pueda encontrar un compartimiento de reciclaje.
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Assignment #1: Writing a Proposal

Introduction: You are a part of a collaborative effort to increase access to education and empower students through 'open pedagogy.' Open pedagogy is a 'flex model' educational practice that places you—the student—at the center of your own learning process in a more engaging, collaborative learning environment. The ultimate purpose of this effort is to achieve greater social justice in our community in which the work can be freely shared with the broader community. This is a transformative assignment that is designed to enable you to become an agent of change in your community through the framework of the United Nations Sustainable Development Goals (SDGs). For this assignment, you will engage in the disciplines of psychology and English Language for Academic Purposes to achieve SDG #3, which is to ensure healthy and well-being.

Backdrop: This assignment represents Part 1 of a larger 3-part assignment that will culminate in a presentation for your classmates and SDGs. As well as the option to share your presentation with a larger audience through social media or a specific website. You will focus on the topic of exercise or technology as related to mental health—your own personal interest will drive which topic you choose to pursue. We will need two articles from the American Psychological Association website. The Exercise Effect” and “Stress in America 2019: Technology and Social Media.” You will be given the option to either create a video or write a short research paper with pictures (if your paper) based on your experience with one of the following: exercise volunteering or participating in a 5K run or walk on Sunday. September 29th to support EveryMind, an organization based in Rockville focused on helping individuals and communities achieve mental wellness, attention, and social skills. Achieve mental wellness, attention, and social skills. You will discuss your experience over a month-long period if you try to build a new habit or break an old one, with the goal of improving your mental health in relation to the type of exercise or social media use.

Assignment: For Assignment #1, Writing a Proposal, you will be given a Proposal Guide with new questions. Your proposal will follow each of these questions in a separate paragraph as you structure, in which all of the three activities you have decided to pursue: the EveryMind run, the Stress Management screening, or the balance change challenge. You will explain the reasoning behind your choice, how you plan to accomplish the activities, and potential challenges you may face. Take this time to write your proposal to help identify that you are well prepared for Assignments 2 and 3.

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Psychology-ELAP Student Project – Good Health and Well-Being SDG #3
Assignment 1: FOOD

Learning Outcomes:
- Biology: Identify the structure and functions of macromolecules important to living things
- Sociology: Identify components of culture and understand how structural inequalities impact individuals

Link to Reduced Inequalities: food insecurity

Source: https://fr.m.wikipedia.org/wiki/Fichier:Couscous_of_Fes.JPG
Biology-Sociology Student Project – Reduced Inequalities SDG #10

Quinoa: What is It? What Are Its Production Impacts?
Assignment 2: Disparate Health Outcomes

Learning Outcomes:
- Biology: Analyze and interpret experimental results to reinforce biological principles
- Sociology: Students will understand how social factors contribute to disparate health outcomes

Link to Reduced Inequalities: Social factors contribute to disparate health outcomes amongst different populations based on race, gender, socio-economic class, etc.

Student and Faculty Testimonials

• “I learned so much watching those documentaries… I’ve started a compost in my office and I’m reducing the amount of plastic waste I use” (SPAN student)

• “Not only has my personal behavior changed, but my career path also changed… I’m still a communications major, but now I want to work in the communications department of an environmental organization… to help protect the planet that I love so much” (SPAN student)

• “This fellowship took me out of my comfort zone… It was an exciting and enriching experience to team up with someone in sociology…” (BIOL professor)
What’s on the Horizon?

• Summer 2019 Faculty Fellowship
  1. Summer 2019 meetings
  2. Fall 2019 assignments
  3. Spring 2020 student showcase

• Partnership with Kwantlen Polytechnic University (Dr. Rajiv Jhangiani)

• MC and KPU faculty teams
Many Thanks…

• David Wiley’s Open Ed Conferences (October 2017 and October 2018)
• Una Daly and Quill West – CCCOER Webinar (November 2018)
• Dr. Rajiv Jhangiani – United Nations OpenCon 2018 (October 2018) and CCCOER Webinar (February 2019)
Resources

• UN SDG Open Pedagogy Faculty Fellowship
  https://www.montgomerycollege.edu/offices/elite/unesco/

• MC Open
  https://www.montgomerycollege.edu/academics/mc-open/
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