

United Nations Sustainable Development Goals Open Pedagogy Faculty Fellowship

Shinta Hernandez

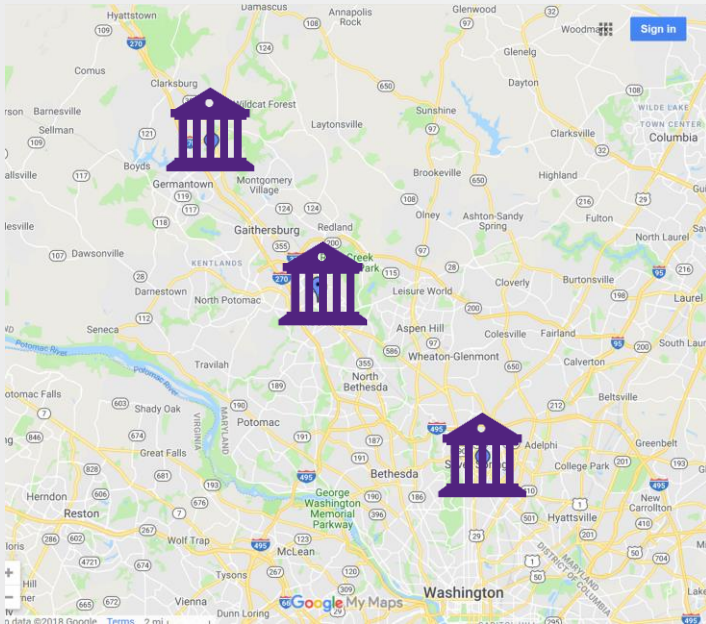
March 2019

CCCOER-OEC and SUNY Webinar

Overview

- Introduction to Montgomery College
- UN SDG Open Pedagogy Faculty Fellowship
- Q & A

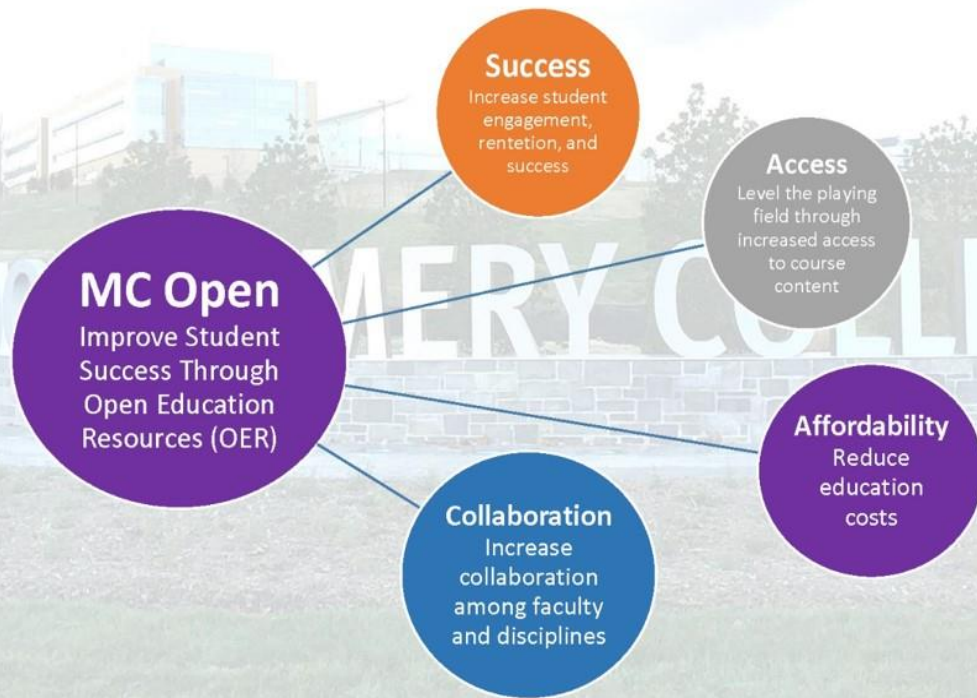
By the Numbers



- 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

MCOPEN



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)

SUSTAINABLE DEVELOPMENT GOALS



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

The screenshot shows a web browser window displaying the Montgomery College website. The address bar shows the URL: <https://www.montgomerycollege.edu/offices/elite/unesco/>. The website header includes navigation links: Prospective/Current Students, Business Partners & Employers, Alumni, Donors & Community, Our Locations, Library, EN, and Access MyMC. The Montgomery College logo is prominently displayed. Below the header is a purple navigation bar with links: ACADEMICS, APPLY & REGISTER, PAYING FOR COLLEGE, COUNSELING & ADVISING, WORKFORCE DEVELOPMENT, LIFE AT MC, ABOUT MC, and ATHLETICS. The main content area features the title "United Nations Sustainable Development Goals Open Pedagogy Fellowship" and a video player with the text "WE THE PEOPLE" and "THE GLOBAL GOALS". To the right of the video, there is a sidebar with three dark gray buttons: "MC Open", "IMPACT MC Program", and "UNESCO SDGs". The Windows taskbar at the bottom shows the time as 1:52 AM on 3/6/2019.

United Nations Sustainable Development Goals Open Pedagogy Fellowship

WE THE PEOPLE

THE GLOBAL GOALS

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

MC Open

IMPACT MC Program

UNESCO SDGs

Spanish-Chemistry Assignment – Responsible Consumption SDG #12

SPAN-CHEM Responsible Production Consumption.pdf - Adobe Acrobat Reader DC

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Home Tools SPAN-CHEM Respo... x

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MC MONTGOMERY COLLEGE

United Nations Sustainable Development Goals: Open Pedagogy Fellowship

"Cultivating Responsible Use and Recycling Practices of Plastic Products"

Introduction: You are a part of a collegewide 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 - 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 renewable 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 work, you will integrate the disciplines of Spanish and (organic) chemistry to achieve SDG #12, which is responsible consumption and production. Click here to learn more about [SDG #12](#).

Instructions:

Part 1: View two of the following documentaries listed below where recycling practices (or lack thereof) and their impacts throughout the world are discussed. Take note of any (5 or so) topics, places, global impacts, etc. that strike you as fascinating, important, extraordinary, or simply touch you on a personal level. What jumped out at you? Why?

[Plastic Paradise: The Great Pacific Garbage Patch](#) (This video is copyrighted material.)
[Plastic Planet](#) (This video is copyrighted material.)
[A Plastic Ocean](#) (This video is copyrighted material.)
[Straws \(trailer\)](#) (This video is copyrighted material.)
[Plasticized](#) (This video is copyrighted material.)
[Bar It: Is your Life Too Plastic?](#) (This video is copyrighted material.)

Part 2: Investigate how poor recycling practices are impacting rivers, ponds, the ocean or the earth and the consequences this can have on ocean life and on human health. Look up several articles, blogs, videos and/or contact people locally (ex.: an industry, a university) to learn more about the impact of recycling practices in your community, the Spanish-speaking country you selected or 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 site to raise awareness and to communicate the impact good and poor 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 Christina Gentile and Cory Newman under the Creative Commons Attribution 4.0 International (CC BY 4.0)

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Spanish-Chemistry Student Project – Responsible Consumption SDG #12



¿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 la comunidad local



- En el condado de Montgomery hay eventos 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.

- El programa de energía residencial ha ayudado a reducir las emisiones de gases de efecto invernadero.
- En la universidad de Montgomery hay contenedores de reciclaje y de basura para ayudar a mantener la basura y el reciclaje separados.
- Los programas son útiles porque motivan a las personas a cuidar de la comunidad.

Prácticas de reciclaje en España



- España necesita mejorar sus prácticas de reciclaje. Según los últimos datos de Eurostat, España recicla sólo 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 inhalan 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 oceánica. Los animales mueren a menudo debido por consumir la basura o enredarse en la basura.

- 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.

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 latas de aluminio cada treinta segundos, más de 60.000 tazas de café cada cinco segundos y más de

2.000.000 botellas de agua cada cinco minutos.

- Más de 14.000.000 libras de basura entran al océano cada año
- Más de 100.000.000 animales marinos mueren cada año debido a la basura en su ambiente

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 pajitas.
- 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 usted pueda encontrar un compartimiento de reciclaje.

Psychology-ELAP Assignment – Good Health and Well-Being SDG #3

PSYC-ELAP Good Health.pdf - Adobe Acrobat Reader DC

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United Nations Sustainable Development Goals Open Pedagogy Fellowship

Assignment #1: Writing a Proposal

Introduction: You are a part of a collegewide 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 - 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 renewable 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 work, you will integrate the disciplines of psychology and English Language for Academic Purposes to achieve SDG #3, which is to improve health and well-being.

Background: This assignment represents Part I of a larger, 3-part assignment that will culminate in a presentation for your classmates on (date) as well as the option to share your presentation with a larger audience through social media or a specific website. You will focus either on the topic of exercise or technology as related to mental health—your own personal interest will dictate which topic you choose to pursue. We will read two articles in class taken from the American Psychological Association website, "The Exercise Effect" and "Stress in America 2017: Technology and Social Media." You will be given the option to either create a movie or write a storytelling essay with pictures (blog post) based on your experience with one of the following activities: volunteering at or participating in a 5k run or 3k walk on Sunday, September 16th to support EveryMind, an organization based in Rockville focused on helping individuals and communities achieve optimal mental wellness; advertising, attending, and running pre and post-screening activities for the November 6th showing of the documentary film *Screenagers* in CM 211 at 1:00pm; or engaging in a behavior change challenge, where you will document your experience over a month-long period as you try to build a new habit or break an old one, with the goal of improving your health as it relates to the topic of exercise or social media use.

Assignment: For Assignment #1, *Writing a Proposal*, you will be given a Proposal Guide with four questions. Your proposal will answer each of these questions in a separate paragraph as you articulate, in writing, which of the three activities you have decided to pursue—the EveryMind run, the Screenagers film screening, or the Behavior Change challenge. You will explain the reasoning behind your choice, how you plan to accomplish the activity, and potential challenges you may face. Taking the time to write this proposal will help to ensure 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



Biology-Sociology Assignment – Reduced Inequalities SDG #10

BIOL-SOCY Reduced Inequalities.pdf - Adobe Acrobat Reader DC


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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

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Biology-Sociology Student Project – Reduced Inequalities SDG #10



Biology-Sociology Assignment – Reduced Inequalities SDG #10

BIOL-SOCY Reduced Inequalities.pdf - Adobe Acrobat Reader DC

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Assignment 2: Disparate Health Outcomes

Learning Outcomes:

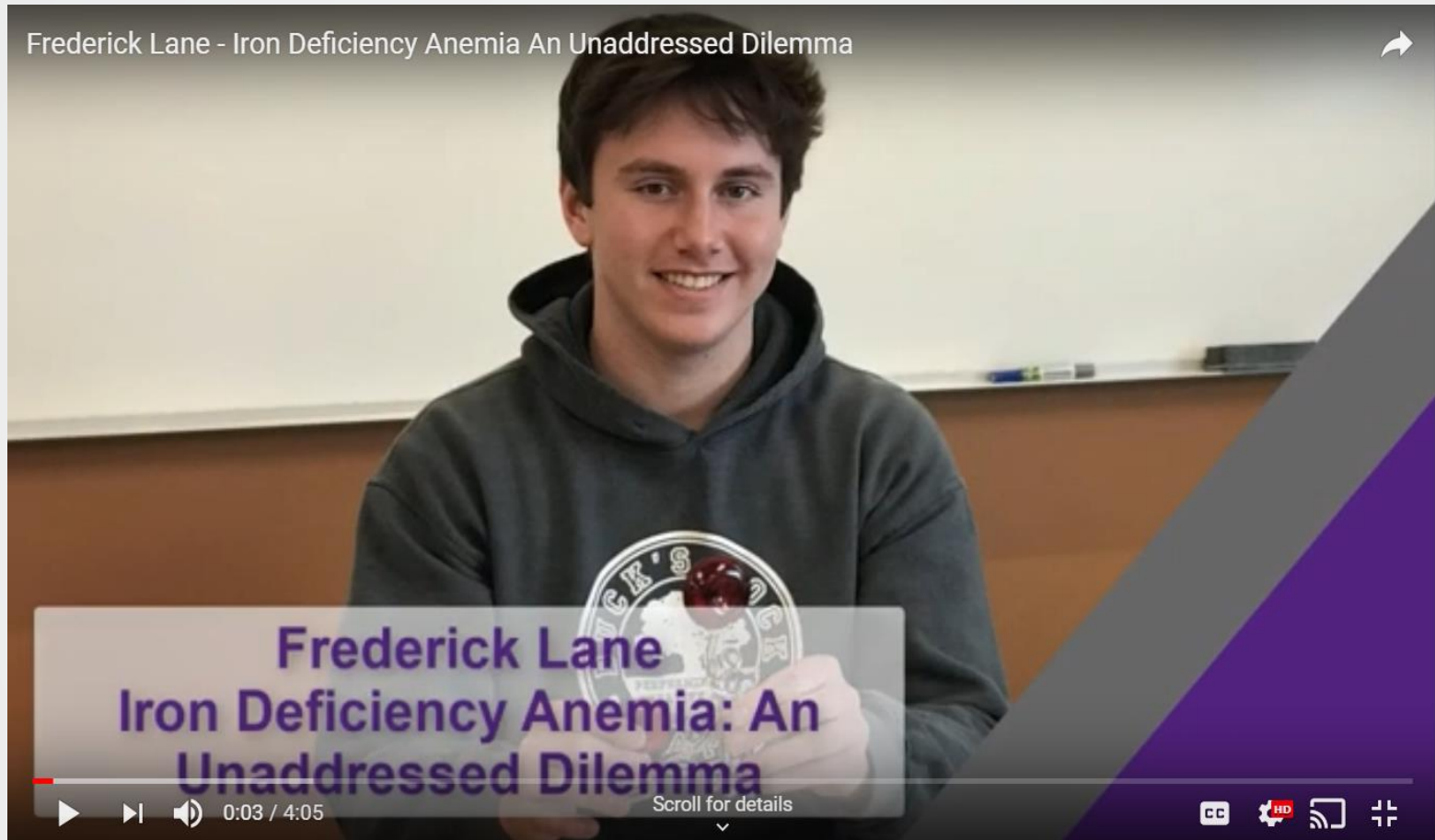
- Biology: Analyze and interpret experimental results to reinforce biological principles
- Sociology: students will understand how social factors contribute to disparate health outcomes

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



Source: <http://collegetribune.ie/health-inequality-inequality-in-third-level-education/>

Biology-Sociology Student Project – Reduced Inequalities SDG #10



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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