



USAID
FROM THE AMERICAN PEOPLE



EHELD

Fast Start

2013

Student Manual

Excellence In Higher Education for Liberian Development

Developed by:
The University of Michigan

PLAYLIST

Oil press products and byproducts - List of Open Educational Resources

Creator: [Open.Michigan, University of Michigan](#) (Updated 31 Mar 2013)

Description:

Open Educational Resources are learning materials that are free, public, and shared under licenses that allow people to copy, translate, adapt, and share with others.

Tags: [ideas](#), [business](#), [Ecology](#), [industrial](#), [Science](#), [Animal](#), [nutrition](#), [agriculture](#), [cake](#), [press](#), [Oil](#)

1. **Article: Oil Refinery** [http://en.wikipedia.org/wiki/Oil_refinery]
Notes: Source: http://www.google.com/advanced_search
Description: License: Creative Commons Attribution Share Alike 3.0 License
<http://creativecommons.org/licenses/by-sa/3.0/>
2. **Article: Expeller Pressing** [http://en.wikipedia.org/wiki/Oil_press]
Notes: Source: http://www.google.com/advanced_search
Description: License: Creative Commons Attribution Share Alike 3.0 License
<http://creativecommons.org/licenses/by-sa/3.0/>
3. Institution: Connexions, **Article: Environmental Science: Solid Waste** [<http://www.oercommons.org/courses/ap-environmental-science-solid-waste>]
Notes: Source: OERCommons.org
Description: In natural systems, there is no such thing as waste. Everything flows in a natural cycle of use and reuse. Living organisms consume materials and eventually return them to the environment, usually in a different form, for reuse.
License: Creative Commons Attribution 3.0 License<http://creativecommons.org/licenses/by/3.0/>
4. Massachusetts Institute of Technology, **Course: Economic & Environmental Issues in Materials Selection, Fall 2005** [<http://www.oercommons.org/courses/economic-environmental-issues-in-materials-selection-fall-2005>]
Notes: Source: OERCommons.org
Description: Choice of material has implications throughout the life-cycle of a product, influencing many aspects of economic and environmental performance. This course will provide a survey of methods for evaluating those implications. Lectures will cover topics in material choice concepts, fundamentals of engineering economics, manufacturing economics modeling methods, and life-cycle environmental evaluation.
License: Creative Commons Attribution- Noncommercial Share Alike 3.0 License<http://creativecommons.org/licenses/by-nc-sa/3.0/>
5. Institution: SciVee, **Video: Fats to Fuel - Partners Video Magazine** [<http://www.oercommons.org/libraries/fats-to-fuel-partners-video-magazine>]
Notes: Source: OERCommons.org
Description: Small Business Innovation Research grant results in technology that efficiently recycles industrial fats into useful biodiesel. Fats to Fuels is a segment from Partners Video Magazine's latest episode, Fueling America.
License: Creative Commons Attribution 3.0 License<http://creativecommons.org/licenses/by/3.0/>
6. U.S. Department of Energy, **Exercise: Environmental Landfill Management** [<http://www.oercommons.org/courses/national-energy-technology-laboratorys-cool-science-and-technology>]
Notes: Source: OERCommons.org
Description: Lesson objectives: Students will be able to identify what a pollutant is and its affects on the environment. The students will demonstrate knowledge of the vocabulary used in environmental management by the DOE and other federal agencies. The students will attain a basic understanding of waste problems within our environment and the fundamental concepts of the laws of nature, science, physics, and engineering. Students will construct and operate a small-scale leach-bed barrier system.
License: Public Domain
7. Massachusetts Institute of Technology, **Course: Materials Processing** [<http://www.oercommons.org/courses/materials-processing-spring-2005>]
Notes: Source: OERCommons.org
Description: The goal of 3.044 is to teach cost-effective and sustainable production of solid material with a desired geometry, structure or distribution of structures, and production volume. Toward this end, it is organized around different types of phase transformations which determine the structure in various processes for making materials, in roughly increasing order of entropy change during those transformations: solid heat treatment, liquid-solid processing, fluid behavior, deformation processing, and vapor-solid processing. The course ends with several lectures that place the subject in the context of society at large.

License: Public Domain

8. Massachusetts Institute of Technology, [Course: Systems Perspectives on Industrial Ecology](http://www.oercommons.org/courses/systems-perspectives-on-industrial-ecology-spring-2006)
[<http://www.oercommons.org/courses/systems-perspectives-on-industrial-ecology-spring-2006>]
Notes: Source: OERCommons.org

Description: Quantitative techniques for life cycle analysis of the impacts of materials extraction, processing use, and recycling; and economic analysis of materials processing, products, and markets. Student teams undertake a major case study of automobile manufacturing using the latest methods of analysis and computer-based models of materials process.

License: Creative Commons Attribution- Noncommercial Share Alike 3.0
License <http://creativecommons.org/licenses/by-nc-sa/3.0/>

This work is licensed under a [Creative Commons License](http://creativecommons.org/licenses/by-nc-sa/3.0/)





USAID
FROM THE AMERICAN PEOPLE



“Special Thanks to our Sponsor”



**Liberia
Agricultural
Company**



RUTGERS
UNIVERSITY



NC STATE UNIVERSITY