

Supplement (Wolfe and Lindeborg): Online Environmental Neuroscience Module

Note: Some online news articles in the original module were no longer available. Asterisks mark more recent replacements.

Instructions: Portfolio on Environmental Stewardship

For this class, you will complete a portfolio of five reflective writing assignments (2-3 pages, 1.5 spaced; lowest score will be dropped) on articles linking environmental issues to themes in biopsychology/ neuroscience. You can choose your own article or use the list provided on our class website.

For each entry, ***SPIT!***

1. ***Summarize*** the main concepts in your own words
2. ***Personalize/Integrate*** them with related real-world experiences and materials from class (make a clear connection to our class AND to your life outside of class, e.g., to personal experiences, newspaper articles, websites, documentary films, content from other classes)
3. ***Think creatively*** about what you learned (offer criticism, original ideas for applications of your knowledge or for future research directions etc.). You are encouraged to be as creative and integrative as possible by drawing on a variety of sources and styles of presentation (including flowcharts, drawings, relevant journal clippings etc.).

In your final portfolio:

1. Put all entries into one file before submitting. Please do not attach a separate file for each entry.
2. Mark your two 'best' entries: Pick two entries that you consider your best and clearly mark them as such.
3. Mark your one 'weakest' entry: Pick one entry that you consider most in need of improvement and mark it as such.
4. Identify how to improve your weak entry: Underneath your 'weakest' entry: write a few sentences each on
 - which parts you think need improvement,
 - how you could improve them, and
 - what resources you would need to do so
5. Mark the three required components: For each entry, clearly mark the three required parts (summary, integration/personalization, original thought) by a number, a label, a color, etc.

List of possible articles: For each entry: Choose one article from the list below. Feel free to find your own articles, but make sure they are related to recent class topics.

Entry 1: Neuroanatomy, neurons, hormones

[Mercury And Blood Brain Barrier](#)

[Pollution And Puberty](#)

[Plastic Bottles And Endocrine Disruptors](#)

[Pollution Triggers Bizarre Behavior In Animals](#)

[Male Bass Producing Eggs](#)
[Pesticide Can Turn Male Frogs Into Females](#)

Entry 2: Neural development and plasticity

List of possible articles. Feel free to find your own, but make sure they are related to recent class topics (i.e. those covered since the last entry was due).

[Pollution And Neural Tube Defects](#)
[Lead And Neural Development](#)
[Urban Pollution And IQ](#)
[In-Utero Exposure To Air Pollution](#) *

Entry 3: Neural bases of sensation and perception

List of possible articles. Feel free to find your own, but make sure they are related to recent class topics (i.e. those covered since the last entry was due).

[Visual Processing Of Natural Scenes](#)
[Biophilia: Learning From Nature To Guide Design](#)
[Navy Sonar And Whale Strandings](#)
[Stress Relief Through Natural Scenes](#) *

Entry 4: Sleep and circadian rhythm

List of possible articles. Feel free to find your own, but make sure they are related to recent class topics (i.e. those covered since the last entry was due).

[Sleep Disordered Breathing And Air Pollution](#)
[Light Pollution And Circadian Rhythm](#)
[Blue Light And Sleep](#)

Entry 5: Neural bases of motivation, emotion and homeostasis

List of possible articles. Feel free to find your own, but make sure they are related to recent class topics (i.e. those covered since the last entry was due).

[Pollution, Obesity And Diabetes](#)
[Lead Exposure And Homicide](#)
[Noise Pollution And Aggression](#)