

A student with dark hair, wearing large white headphones and a green long-sleeved shirt, is focused on writing in a notebook. The background is a blurred classroom or library setting with bookshelves. The overall image has a blue tint.

2023 Emory Pre-College Course Reading & Materials List

Any student who does not own a laptop for a course that requires it during class will be loaned one for the duration of the course. Please let us know by Wednesday before your program begins.

Session A

ABNORMAL PSYCHOLOGY | INSTRUCTOR: NIKITA AGARWAL

No special requirements. Students will have access to reading materials.

ANIMAL-BACTERIAL PARTNERSHIPS: FROM CREEPY CRAWLIES TO THE HUMAN MICROBIOME | INSTRUCTOR: REBECCA DUNCAN

Laptop will be useful but not required.

Textbook: "*I Contain Multitudes: The Microbes Within Us and a Grander View of Life*" by Ed Yong. Read chapters 1, 2, and 7 before class.

Instructor will provide additional readings after class begins.

[Order from Amazon](#)

CULTURE, ARTS, & SOCIAL MOVEMENTS | INSTRUCTOR: LYDIA FORT

Texts not available through Emory's library online access must be purchased. Additional readings will be provided.

ECONOMICS AND HEALTH CARE IN THE U.S. |

INSTRUCTOR: IAN MCCARTHY

No materials or books needed.

HUMAN PHYSIOLOGY | INSTRUCTOR: IAIN SHEPHERD

Textbook: *Principles of Human Physiology, 6th edition*, by Stansfield.

[Order from Pearson](#)

PROGRAMMING ESSENTIALS WITH PYTHON AND TURTLE GRAPHICS |

INSTRUCTOR: DAVIDE FOSSATI

Supplies: Students will need a laptop

Session A

REPRODUCTIVE EQUITY ISSUES IN PUBLIC HEALTH | INSTRUCTOR: HAYLEY MCMAHON

All texts/materials will be provided.

THE CHEMISTRY OF COLORS: ATOMS, COMPOUNDS, AND THE RAINBOW | INSTRUCTOR: DOUGLAS MULFORD

Supplies: Closed-toed shoes, long pants, and safety glasses.

No textbook is required.

Students should read the syllabus (access will be provided during virtual orientation) and complete the syllabus/safety quiz before the first day. A 100% cotton lab coat or the like is used to tie dye on the first day and throughout the class.

Where to purchase supplies? Amazon is suggested, however, students may purchase items similar through another vendor.

[Order lab coat from Amazon](#)

[Order safety glasses from Amazon](#)

THINKING LIKE A LAWYER | INSTRUCTOR: AARON KIRK

All texts/materials will be provided.

Session B

CANCER BIOLOGY: THE FUNDAMENTALS OF THE DISEASE |

INSTRUCTOR: JORDAN SILVA

A notebook/pencil or computer for taking notes. Before first day of class, read this free journal article online: *Hallmarks of Cancer: The Next Generation* by Douglas Hanahan and Robert A. Weinberg

DOI: [Download pdf or read online](#)

CHEMISTRY OF THE BRAIN: THE MOLECULES OF NEUROSCIENCE |

INSTRUCTOR: BRENDA HARMON

Textbook: *Why We Sleep* by Matthew Walker [Order from Amazon](#)

Please read the introduction before the first class day.

HUMAN SOCIETY AND SOCIAL BEHAVIOR | INSTRUCTOR: ANTHONY HEALY

No required texts/materials

INTRODUCTION TO ARTIFICIAL INTELLIGENCE & COMPUTATIONAL DECISION-MAKING | INSTRUCTOR: NIRMALYA THAKUR

Textbook: Susanna S. Epp, *Discrete Mathematics with Applications*, 5th Ed. (ISBN 978-1337694193)

[Order from Amazon](#)

PROTEIN BIOCHEMISTRY AND HUMAN HEALTH | INSTRUCTOR: JULIA TANQUARY

Supplies: Students will need a laptop

Requirements for one co-curricular activity: Closed-toe shoes and long pants or skirts.

Texts: No textbook needed.

SOCIAL PSYCHOLOGY | INSTRUCTOR: JESSICA BARBER

The instructor will provide the required texts/materials.

Session C (On campus)

CONSTITUTIONAL LAW & CIVIL LIBERTIES | INSTRUCTOR: DEVON THURMAN

Students must read the *Bill of Rights* before the first class meeting. Students will also be required to read a selection of Supreme Court cases, all of which are available online.

GLOBAL HEALTH 101 | INSTRUCTOR: LAURA WIESE

Global Health 101 by Richard Skolnik (4th edition). [Order from Amazon](#)

INVESTIGATIVE ASTRONOMY | INSTRUCTOR: ALISSA BANS

Supplies: laptops are recommended to access databases, etc., but no other software is required.

No textbook is needed. The instructor will provide material for students to review before day 1. Access will be provided during orientation.

SOCIAL JUSTICE AND THE IMPACT OF SOCIAL MEDIA | INSTRUCTOR: KIMBERLY WALLACE-SANDERS

Students must have Amazon Prime Video and Netflix.

LEARNING PROBABILITY AND STATISTICS USING R PROGRAMMING LANGUAGE | INSTRUCTOR: JONG KIM

Students need a laptop computer.

MEDICAL MICROBIOLOGY | INSTRUCTOR: JASMINE CLARK

Closed-toe shoes for lab.

ROME, INTERRUPTED: RECONSTRUCTING THE LAST DAYS OF POMPEII | INSTRUCTOR: KATRINA KNIGHT

Pompeii and Herculaneum: A Sourcebook, Allison E. Cooley and M.G.L. Cooley (Routledge, 2nd ed., 2013) [Order from Amazon](#)

The Complete Pompeii, Joanne Berry (Thames & Hudson, 2007)

[Order from Amazon](#)

Session C (Online)

BEHAVIORAL BIOLOGY | INSTRUCTOR: DONNA MCDERMOTT

All needed texts will be provided by the instructor.

CLINICAL TRIALS: THINK LIKE A MEDICAL RESEARCHER |

INSTRUCTOR: CHRISTOPHER CHAMBLISS

All needed materials and texts will be provided by the instructor.

ECONOMIC INEQUALITY: FRIEND OR FOE? | INSTRUCTOR: JASMINKA NINKOVIC

Students must read the syllabus (access provided during virtual orientation), create a short introduction, and post before the course starts.

RELIGION IN AMERICA | INSTRUCTOR: GARY LADERMAN

All readings will be available online.

SOCIAL JUSTICE: ACTIVISM AND CO-OPTATION | INSTRUCTOR: DERIC SHANNON

Required textbooks:

Táíwò, Olúfẹ̀mi O. (2022). *Elite Capture: How The Ruling Class Took Over Identity Politics (and Everything Else)*. [Order from Amazon](#)

Piven, Frances Fox, and Richard A. Cloward. (1964). *Poor People's Movements: Why They Succeed, How They Fail*. [Order from Amazon](#)

All other readings will be provided.