



Department of

# Environmental & Civil Engineering

Mercer University

EVE 290

*Introduction to Environmental Engineering*

Spring Semester 2020

Tuesday, Thursday

9:25 – 10:40

Room EGC 209

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**Instructor:** André Butler, Associate Professor of Environmental and Civil Engineering  
**Office:** Suite 116E, School of Engineering (very flexible office hours by appointment)  
**Phone:** 301-2476 (w)  
**Email:** butler\_aj@mercer.edu

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**Required Text:** Mines, R.O., and Lackey, L.W. *"Introduction to Environmental Engineering,"*  
1<sup>st</sup> Edition, Prentice Hall, 2009. ISBN: 978-0132347471 (\$20-70, Amazon)

**Catalog Description:**

An overview of the major topics in environmental engineering, including water quality and treatment, solid and hazardous waste management, and air pollution; mass and energy balance principles; pollutant fate and transport characteristics; ethical implications of global techniques.

**Course Objectives:**

Upon successful completion of this course, students will be able to

1. To solve material and mass balances and make these concepts an integral part of your thought processes;
2. To solve environmental chemistry problems;
3. Discuss and solve problems associated with environmental biology;
4. To discuss and solve problems relating to the major topics of environmental engineering including water and wastewater treatment, air pollution control issues, pollution prevention, and ethics.

**Course Website:** [http://faculty.mercer.edu/butler\\_aj/eve290.htm](http://faculty.mercer.edu/butler_aj/eve290.htm) (visit often for course updates).

**Prerequisites:** CHM 111 and MAT 191.

**Grading:** The final grade will be determined as follows:

Quizzes	30%
Exam #1	20%
Exam #2	20%
Final Exam	30%

**Saturday, 2 May, 9:00-12:00 Noon**

**Homework:** Homework is an important component of the class and will be assigned regularly. Homework will **not** be collected for grade; however, it is strongly advised that students complete all assignments in the effort to master the material.

**Quizzes:** Quizzes (each with an expected duration of 10-15 minutes) will be administered approximately once per week. Each student's best ten (10) quizzes will be used in the computation of the final course grade.

**Class** Students are expected to attend class and actively participate during discussions.

**Participation:**

### **Class Standards**

1. Please turn off cell phones before entering the classroom.
2. Firearms/weapons are not allowed in Mercer University campus facilities. For more information, visit the MERPO website (<https://police.mercer.edu/>).
3. The **honor code** provisions as outlined in the *Bulletin* and in the student handbook, *The Lair*, will be assumed for everyone. It should be clear from class discussion whether an assignment is collaborative or individual. When in doubt, please ask to avoid potentially embarrassing situations. Plagiarism is a violation of the honor code and is strictly prohibited.
4. Students in need of accommodation due to a disability should contact the Access and Accommodation Office to complete the verification process to become approved for services. In order to receive accommodations, each term, students will request accommodation and faculty notification forms through the Access Office online system [Accommodate](#). Students are strongly encouraged to schedule a meeting with each professor in a timely manner to discuss arrangements. Accommodations are not retroactive in nature. Note - Disability accommodations or status are not reflected on academic transcripts. Students with a history of a disability, perceived as having a disability or with a current disability who do not wish to use academic accommodations are also strongly encouraged to complete the verification process with the Access Office. Students must request accommodations in a timely manner to receive accommodations in a timely manner.
5. **Mental Health and Wellness:** Mercer University faculty and staff recognize that mental health concerns can impact academic performance and interfere with daily life activities. Please notify your faculty member or academic advisor for academic assistance, as needed. CAPS can also provide support if you're feeling stressed, overwhelmed, anxious, depressed, lost or are struggling with personal issues. Please call or visit the [Counseling and Psychological Services \(CAPS\) website](#) for more information. These services are free and confidential, and support non-traditional, graduate, and undergraduate students. Students at Regional Academic Center locations may call a CAPS Office for assistance in finding local services (that may charge for their services) if distance to either campus creates challenges. CAPS locations include: MACON – Linden House (attached to the MEP Residence Hall), 478-301-2862; ATLANTA – 215 Sheffield Student Center, 678-547-6060.
6. This syllabus is subject to change.

### **Electronic Communication**

As the need arises, I may choose to communicate to the class via email. I will do this using a database that incorporates your official Mercer email account. As a general rule, I will not accommodate your personal email accounts regarding emails to the class.