

AEDE 4597 – Food, Population, and the Environment

Spring 2021

Instructor: Nick Messenger(.37)

Email: [messenger.37@osu.edu](mailto:messenger.37@osu.edu)

Class Times: Mondays & Wednesdays, 5:30-6:50pm

Office Hours: Tuesdays & Thursdays 10:30-11:30am EST (please schedule an appt.)

TAs: Junyoung Jeong ([Jeong.352@osu.edu](mailto:Jeong.352@osu.edu))

Andrew Miller ([Miller.5776@osu.edu](mailto:Miller.5776@osu.edu))

- Lecture Zoom Meeting Link:

<https://osu.zoom.us/j/96016642840?pwd=aVR0aXh4dmJxSC9xK09WT0c2ZjI3UT09>

Meeting ID: 960 1664 2840

Password: 426516

Textbook: D. Southgate, D. Graham, and L. Tweeten, *The World Food Economy*, Second Edition (John Wiley and Sons, 2011). Additional readings will be posted on Carmen.

Course Learning Outcomes:

Successful students will have the ability to:

- Identify population issues and analyze how governments and societies attempt to achieve food security, in both economically developing and developed countries.
- Discuss and analyze the determinants of food demand and food supply in various economic, environmental, and societal settings.
- Explain the environmental impacts of agricultural development, in both historical, contemporary, and futuristic contexts.
- Critically examine the role and impact of public policy on the food economy, population, and environment.

General Education Learning Outcomes:

Cross-Disciplinary Seminar- Students demonstrate an understanding of a topic of interest through scholarly activities that draw upon multiple disciplines and through their interactions with students from different majors. This course meets the General Education Cross-Disciplinary Seminar Learning Outcome by analyzing food security through international development, environmental, economic, agricultural lenses.

- Students understand the benefits and limitations of different disciplinary perspectives.
- Students understand the benefits of synthesizing multiple disciplinary perspectives
- Students synthesize and apply knowledge from diverse disciplines to a topic of interest

## Top Hat:

This course utilizes Top Hat, which is the place where I will post articles, slides, and where I will present. During the class, you should be logged into both Zoom and Top Hat, either in separate windows or using Top Hat on a separate device. The purpose of Top Hat is for discussions/polls/questions to be asked and answered in real time by each student during lecture.

You should receive an email invitation to Top Hat, but you can also join with the code: 281513.

## Class Activities:

1. **Live Discussions, Polls, and Questions:** This course will utilize Top Hat during lecture times. These lectures will involve live polls/questions/discussions that you will be asked to participate in. Your responses will be visible to other students as well as myself.
2. **Reading Quizzes:** A total of 5 quizzes will be assigned through Carmen throughout the semester. The lowest quiz score will be dropped. These quizzes are not designed to be difficult and questions are taken directly from the assigned reading(s) leading up to the quiz. Quiz dates will be announced in advance but may vary depending on how far we get in each class period covering material. Quizzes will remain open for 24 hours but will only offer 2 attempts.
3. **Papers:** Over the course of the semester, you will be asked to submit a series of three short policy proposal papers, aimed at addressing or improving issues relating to agricultural, health, food, population, or environmental issues in a particular region of the world (Asia & the Middle East, Sub Saharan Africa, and Central & South America).

While these are not intended to be full-fledged research papers, they should be decently thought-out, well written, and researched to a reasonable degree. Specific requirements for each paper will be posted on Carmen and Top Hat. Papers #1 and #2 will each have a rough draft due date, where you will receive feedback from myself and then submit a final draft. Paper #3 will be submitted in lieu of a final exam.

## Grading Distribution:

Grades in the course will be assigned based on the follow weight of assignments & activities:

<i>Attendance</i>	5%
<i>Participation</i>	10%
<i>Quizzes</i>	20%
<i>Paper 1*</i>	20%
<i>Paper 2*</i>	20%
<i>Paper 3</i>	25%

*\*Rough draft and final draft will each be worth 10%.*

Late Policy: 10% of the assignment grade will be deducted for each 24 hours it is submitted after the posted deadline. Quizzes will not be reopened for late submission after their 24-hour window has passed. The final paper #3 may not be submitted late.

Grading Scale:

This class follows the standard grading scale.

<u>Percentage</u>	<u>Grade</u>	<u>Percentage</u>	<u>Grade</u>
93-100	A	73-76.9	C
90-92.9	A-	70-72.9	C-
87-89.9	B+	67-69.9	D+
83-86.9	B	60-66.9	D
80-82.9	B-	<60	E
77-79.9	C+		

Attendance:

Attendance is tracked via Top Hat. Each class session will have a code that you can either enter in the Top Hat app on your phone, tablet, or PC, or you may text the code via SMS. Attendance is worth 5% of the overall grade and will be taken at the beginning of each class. You are permitted to miss 2 sessions during the semester without a penalty to your grade. Per university policy, please just let me know if there is any extenuating circumstance that comes up that would impact your attendance.

Discussion and communication guidelines:

The following are my expectations for how we should communicate as a class. Above all, please remember to be respectful and thoughtful. Let's maintain a supportive learning community where everyone feels safe and where people can disagree amicably. Remember that sarcasm does not always come across online.

**Course Schedule: (Session numbers (#\_\_\_) correspond to the Carmen & Top Hat modules)**

Week	Meeting Dates	Topic(s)	Book Readings	Due Dates*
1	M - 1/11/21 (#1) W - 1/13/21 (#2)	Course Overview & Introduction	Chapter 1: Introduction	
2	M – <b>No Class</b> W – 1/20/21 (#3)	Malthus, Neo-Malthus, Demographic Transition	Chapter 2	
3	M – 1/25/21 (#4) W – 1/27/21(#5)	The Demand for Food – Population Growth and Income	Chapter 2	<b>Friday Quiz #1</b>
4	M – 2/1/21 (#6) W – 2/3/21 (#7)	The Supply of Food – part 1	Chapter 3	
5	M – 2/8/21 (#8) W – 2/10/21(#9)	The Supply of Food – part 2	Chapter 3	<b>Friday Quiz #2</b>
6	M – 2/15/21 (#10) W – 2/17/21(#11)	Aligning Food Demand & Supply	Chapter 4	<b>Friday – Rough Draft Paper #1 Due</b>
7	M – 2/22/21 (#12) W – <b>No Class</b>	Agricultural Policy & Food Supply	Chapter 4	
8	M – 3/1/21 (#13) W –3/3/21 (#14)	Agriculture and the Environment – Market Failure and Intervention	Chapter 5	<b>Friday Quiz #3</b>
9	M – 3/8/21 (#15) W – 3/10/21 (#16)	Farmland degradation, climate change, biodiversity, water quality, deforestation, and other concerns	Chapter 5	<b>Friday – Final Draft Paper #1 Due</b>
10	M – 3/15/21 (#17) W – 3/17/21 (#18)	Globalization and international trade – part 1	Chapter 6	<b>Friday - Quiz #4</b>
11	M – 3/22/21 (#19) W – 3/24/21 (#20)	Globalization and international trade – part 2	Chapter 6	<b>Friday – Rough Draft Paper #2 Due</b>
12	M – 3/29/21 (#21) W – <b>No Class</b>	Agriculture and economic development. Food security issues.	Chapter 7 & 8	
13	M – 4/5/21 (#22) W – 4/7/21 (#23)	Emerging Issues – Obesity, Food safety	Chapter 16	<b>Friday - Final Draft Paper #2 Due</b>
14	M – 4/12/21 (#24) W – 4/14/21 (#25)	Regional Case Studies – Asia and Latin America & Caribbean	Chapter 11 & 12	<b>Friday - Quiz #5</b>
15	M – 4/19/21 (#26) W – 4/21/21 (#27)	Regional Case Studies – Middle East, North Africa, Sub Saharan Africa	Chapters 13 & 15	
<b>Finals Week</b>				<b>Paper #3 Due Tuesday 4/27/21 by 11:59pm</b>

\*This schedule is an ambitious overview of the semester. I reserve the right to change it, with advance warning, depending on how we proceed through the material. I will notify you in class and via a Carmen notice of any changes that might affect your assignment due dates or reading dates.

## Course Technology:

OSU IT Service desk is responsible for password, email, Carmen or any other technology issue, questions or requests. Standard support hours and urgent issues support is available 24 x7.

- **Self-Service and Chat support:** (<http://ocio.osu.edu/selfservice>)
- **Phone:** 614-688-HELP (4357)
- **Email:** [shelp@osu.edu](mailto:shelp@osu.edu)
- **TDD:** 614-688-8743

## Technical skills for online courses:

- Computer and web-browsing skills
- Navigating carmen
- Familiarity with Zoom text, audio and video. Using the chat features. Sharing a screen and making presentations on Zoom.

## Required equipment

- Computer: current Mac (OS X) or PC (Windows 7+) with high-speed internet connection
- Webcam: built-in or external webcam, fully installed and tested
- Microphone: built-in laptop or tablet mic or external microphone

**UNIVERSITY POLICIES** see: <https://ugeducation.osu.edu/faculty-and-staff-resources> for current versions

**Academic Misconduct:** It is the responsibility of the Committee on Academic Misconduct to investigate or establish procedures for the investigation of all reported cases of student academic misconduct. The term "academic misconduct" includes all forms of student academic misconduct wherever committed; illustrated by, but not limited to, cases of plagiarism and dishonest practices in connection with examinations. Instructors shall report all instances of alleged academic misconduct to the committee (Faculty Rule 3335-5-487). For additional information, see the Code of Student Conduct at [Student Life](http://studentconduct.osu.edu) <http://studentconduct.osu.edu>.

**Ohio State's academic integrity policy :** Academic integrity is essential to maintaining an environment that fosters excellence in teaching, research, and other educational and scholarly activities. Thus, The Ohio State University and the Committee on Academic Misconduct (COAM) expect that all students have read and understand the University's *Code of Student Conduct*, and that all students will complete all academic and scholarly assignments with fairness and honesty. Students must recognize that failure to follow the rules and guidelines established in the University's *Code of Student Conduct* and this syllabus may constitute "Academic Misconduct."

The Ohio State University's *Code of Student Conduct* (Section 3335-23-04) defines academic misconduct as: "Any activity that tends to compromise the academic integrity of the University, or subvert the educational process." Examples of academic misconduct include (but are not limited to) plagiarism, collusion (unauthorized collaboration), copying the work of another student, and possession of unauthorized materials during an examination. Ignorance of the University's *Code of Student Conduct* is never considered an "excuse" for academic misconduct, so I recommend that you review the *Code of Student Conduct* and, specifically, the sections dealing with academic misconduct.

**If I suspect that a student has committed academic misconduct in this course, I am obligated by University Rules to report my suspicions to the Committee on Academic Misconduct.** If COAM determines that you have violated the University's *Code of Student Conduct* (i.e., committed academic misconduct), the sanctions for the misconduct could include a failing grade in this course and suspension or dismissal from the University.

If you have any questions about the above policy or what constitutes academic misconduct in this course, please contact me.

Other sources of information on academic misconduct (integrity) to which you can refer include:

- The Committee on Academic Misconduct web pages ([COAM Home](#))
- *Ten Suggestions for Preserving Academic Integrity* ([Ten Suggestions](#))
- *Eight Cardinal Rules of Academic Integrity* ([www.northwestern.edu/uacc/8cards.htm](http://www.northwestern.edu/uacc/8cards.htm))

### ***Copyright disclaimer***

The materials used in connection with this course may be subject to copyright protection and are only for the use of students officially enrolled in the course for the educational purposes associated with the course. Copyright law must be considered before copying, retaining, or disseminating materials outside of the course.

***Intellectual Property*** (covered by copyright) includes Course materials (Text, Audio, Video, Multimedia, Sims, Apps, etc.), and Student Generated materials

### **Disability Services:**

**The University strives to make all learning experiences as accessible as possible. If you anticipate or experience academic barriers based on your disability (including mental health, chronic or temporary medical conditions), please let me know immediately so that we can privately discuss options. To establish reasonable accommodations, I may request that you register with Student Life Disability Services. After registration, make arrangements with me as soon as possible to discuss your accommodations so that they may be implemented in a timely fashion. SLDS contact information: [slds@osu.edu](mailto:slds@osu.edu); 614-292-3307; [slds.osu.edu](http://slds.osu.edu); 098 Baker Hall, 113 W. 12<sup>th</sup> Avenue.**

### **Diversity:**

**The Ohio State University affirms the importance and value of diversity in the student body. Our programs and curricula reflect our multicultural society and global economy and seek to provide opportunities for students to learn more about persons who are different from them. We are committed to maintaining a community that recognizes and values the inherent worth and dignity of every person; fosters sensitivity, understanding, and mutual respect among each member of our community; and encourages each individual to strive to reach his or her own potential. Discrimination against any individual based upon protected status, which is defined as age, color, disability, gender identity or expression, national origin, race, religion, sex, sexual orientation, or veteran status, is prohibited.**

### **Requesting accommodations**

If you would like to request academic accommodations based on the impact of a disability qualified under the Americans with Disabilities Act and Section 504 of the Rehabilitation Act of 1973, contact your instructor privately as soon as possible to discuss your specific needs. Discussions are confidential.

In addition to contacting the instructor, please contact the Student Life Disability Services at [614-292-3307](tel:614-292-3307) or [ods@osu.edu](mailto:ods@osu.edu) to register for services and/or to coordinate any accommodations you might need in your courses at The Ohio State University.

Go to [Office of Student Life - Disability Services](#) for more information.

### **Accessibility of course technology**

This online course requires use of Carmen (Ohio State's learning management system) and other online communication and multimedia tools. If you need additional services to use these technologies, please request accommodations with your instructor.

- [Carmen \(Canvas\) accessibility](#)
- Streaming audio and video
- Synchronous course tools
- [Definition OSU](#)
- [Overview of Accessibility at OSU](#)
- If you require specific software for the course list or provide a link to the software's accessibility privacy statements
  - [Adobe Connect \(Carmen Connect\) Accessibility](#) [Adobe Privacy Policy](#)
  - [Microsoft Office Accessibility](#) [Microsoft Office 365 Privacy](#)
  - [Proctorio Accessibility](#) [Proctorio Privacy](#)
  - [Top Hat Accessibility](#) [Top Hat Privacy](#)
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## UNIVERSITY RESOURCES:

### Counseling and Consultation Services:

As a student you may experience a range of issues that can cause barriers to learning, such as strained relationships, increased anxiety, alcohol/drug problems, feeling down, difficulty concentrating and/or lack of motivation. These mental health concerns or stressful events may lead to diminished academic performance or reduce a student's ability to participate in daily activities. The Ohio State University offers services to assist you with addressing these and other concerns you may be experiencing. If you or someone you know are suffering from any of the aforementioned conditions, you can learn more about the broad range of confidential mental health services available on campus via the Office of Student Life's Counseling and Consultation Service (CCS) by visiting [ccs.osu.edu](https://ccs.osu.edu) or calling 614-292-5766. CCS is located on the 4th Floor of the Younkin Success Center and 10th Floor of Lincoln Tower. You can reach an on call counselor when CCS is closed at 614-292-5766 and 24 hour emergency help is also available through the 24/7 National Suicide Prevention Hotline at 1-800-273-TALK or at [suicidepreventionlifeline.org](https://suicidepreventionlifeline.org).

#### 1. Safe and Healthy Buckeyes:

Health and safety requirements: All students, faculty and staff are required to comply with and stay up to date on all university safety and health guidance (<https://safeandhealthy.osu.edu>), which includes wearing a face mask in any indoor space and maintaining a safe physical distance at all times. Non-compliance will result in a warning first, and disciplinary actions will be taken for repeated offenses.”

#### 2. Disability Accommodations (with COVID19 language) :

The university strives to make all learning experiences as accessible as possible. In light of the current pandemic, students seeking to request COVID-related accommodations may do so through the university's request process, managed by Student Life Disability Services. If you anticipate or experience academic barriers based on your disability (including mental health, chronic, or temporary medical conditions), please let me know immediately so that we can privately discuss options. To establish reasonable accommodations, I may request that you register with Student Life Disability Services. After registration, make arrangements with me as soon as possible to discuss your accommodations so that they may be implemented in a timely fashion. SLDS contact information: [slds@osu.edu](mailto:slds@osu.edu); 614-292-3307; [slds.osu.edu](https://slds.osu.edu); 098 Baker Hall, 113 W. 12th Avenue.

#### 3. Counseling and Consultation Services/Mental Health (with added statement from David Wirt, the CFAES embedded counselor)

As a student you may experience a range of issues that can cause barriers to learning, such as strained relationships, increased anxiety, alcohol/drug problems, feeling down, difficulty concentrating and/or lack of motivation. These mental health concerns or stressful events may lead to diminished academic performance or reduce a student's ability

to participate in daily activities. The Ohio State University offers services to assist you with addressing these and other concerns you may be experiencing. If you or someone you know are suffering from any of the aforementioned conditions, you can learn more about the broad range of confidential mental health services available on campus via the Office of Student Life Counseling and Consultation Services (CCS) by visiting [ccs.osu.edu](https://ccs.osu.edu) or calling (614) 292- 5766. CCS is located on the 4th Floor of the Younkin Success Center and 10th Floor of Lincoln Tower. You can reach an on-call counselor when CCS is closed at (614) 292-5766 and 24 hour emergency help is also available through the 24/7 National Prevention Hotline at 1-(800)-273-TALK or at [suicidepreventionlifeline.org](https://suicidepreventionlifeline.org).

David Wirt, [wirt.9@osu.edu](mailto:wirt.9@osu.edu), is the CFAES embedded mental health counselor. He is available for new consultations and to establish routine care. To schedule with David, please call 614-292-5766. Students should mention their affiliation with CFAES when setting up a phone screening.

#### **4. Creating an environment free from harassment, discrimination, and sexual misconduct**

The Ohio State University is committed to building and maintaining a community to reflect diversity and to improve opportunities for all. All Buckeyes have the right to be free from harassment, discrimination, and sexual misconduct. Ohio State does not discriminate on the basis of age, ancestry, color, disability, ethnicity, gender, gender identity or expression, genetic information, HIV/AIDS status, military status, national origin, pregnancy (childbirth, false pregnancy, termination of pregnancy, or recovery therefrom), race, religion, sex, sexual orientation, or protected veteran status, or any other bases under the law, in its activities, academic programs, admission, and employment. Members of the university community also have the right to be free from all forms of sexual misconduct: sexual harassment, sexual assault, relationship violence, stalking, and sexual exploitation.

To report harassment, discrimination, sexual misconduct, or retaliation and/or seek confidential and non-confidential resources and supportive measures, contact the Office of Institutional Equity:

1. Online reporting form at [equity.osu.edu](https://equity.osu.edu),
2. Call 614-247-5838 or TTY 614-688-8605,
3. Or Email [equity@osu.edu](mailto:equity@osu.edu)

The university is committed to stopping sexual misconduct, preventing its recurrence, eliminating any hostile environment, and remedying its discriminatory effects. All university employees have reporting responsibilities to the Office of Institutional Equity to ensure the university can take appropriate action:

- All university employees, except those exempted by legal privilege of confidentiality or expressly identified as a confidential reporter, have an obligation to report incidents of sexual assault immediately.
- The following employees have an obligation to report all other forms of sexual misconduct as soon as practicable but at most within five workdays of becoming aware of such information: 1. Any human resource professional (HRP); 2. Anyone who supervises faculty, staff, students, or volunteers; 3. Chair/director; and 4. Faculty member.

This course adheres to The Principles of Community adopted by the College of Food, Agricultural, and Environmental Sciences. These principles are located on the Carmen site for this course; and can also be found at <https://go.osu.edu/principlesofcommunity>. For additional information on Diversity, Equity, and Inclusion in CFAES, contact the CFAES Office for Diversity, Equity, and Inclusion (<https://equityandinclusion.cfaes.ohio-state.edu/>). If you have been a victim of or a witness to a bias incident, you can report it online and anonymously (if you choose) at <https://studentlife.osu.edu/bias/report-a-bias-incident.aspx>.