**GEORGIA INSTITUTE OF TECHNOLOGY**

**GEORGIA TECH LORRAINE**

**Sam Nunn School of International Affairs/Ivan Allen College**

**SPRING 2022**

**INTA 2030: Ethics in International Affairs:**

**Politics and Ethics in the Global Digital Era**

**\*Eligible as a substitution for CS 4001 for CS majors**

**Fulfills Social Science elective credit**

## **Instructors: Dr. Vicki Birchfield**

**and Raisa Mulatinho Simões**

Office: Room 227

Office Hours: TBA

and by appointment

vicki.birchfield@inta.gatech.edu

**Course Description**

This course covers issues of moral values and ethical reasoning in international relations and global society. It examines the significance of international political morality in shaping individual and collective conduct of foreign relations and investigates the ethical nature of the rules, structures, and informal patterns of the international system. As the world is becoming increasingly interconnected through information and communication technologies (ICTs) and developments in artificial intelligence, such as machine learning, algorithmic decision-making, robotics and other technologies are shaping human activities from the most basic sphere of labor to the most extreme case of warfare, new models of ethical decision-making seem imperative. Is it fair for machines to replace humans and individuals lose their basic livelihoods? Where do we place culpability when drones kill innocent civilians? How do different societies adapt to technologically driven, structural transformations? Are global ethical norms desirable and achievable? The course explores the ethical implications of emerging or already existing technologies that render borders increasingly obsolete thereby challenging conventional notions of national sovereignty and government control. How do Big Data and the Internet of Things dislodge our traditional notions of freedom, privacy, and human rights? How do we adjudicate cultural norms, societal choice and global governance in an increasingly complex, multipolar world? Climate change and the global ecological crisis also raise profound ethical questions such as who should pay for climate mitigation and adaptation and who has the “right” to pollute? How do legacies of colonialism shape resource use and perpetuate systemic inequities and north-south divisions? Are there technological solutions to such global challenges?

While the course emphasizes theoretical concepts and philosophical and normative approaches for grappling with such questions, a key goal of the course is to encourage ethical analysis and social scientific thinking and the application of concepts and ethical decisions making frameworks to specific global issues and problems.

**Learning Outcomes**

Students:

1. should demonstrate familiarity with select traditions of ethics in world politics and different modes of normative reasoning and argumentation
2. should be able to analyze prominent ethical issues in international relations and global society
3. should become more aware of the diversity of cultural and ethical systems in the world.
4. should be able to apply different traditions and cultural systems of ethics in international affairs when analyzing concrete cases, particularly those cases where technology is at the core of new ethical dilemmas.

**Recommended Textbooks and Required Readings**

*International Ethics* (selections from 4th and 5th editions), by Mark Amstutz

*Ethics for the Information Age* **(**7th ed**.)**, by Michael Quinn

# Segments from the following:

# *Weapons of Math Destruction: How Big Data Increases Inequality and Threatens Democracy,* by Cathy O’Neil

# *Of Privacy and Power: The Transatlantic Struggle over Freedom and Security,*

by[Henry Farrell](https://www.goodreads.com/author/show/213798.Henry_Farrell) and [Abraham L. Newman](https://www.goodreads.com/author/show/1829813.Abraham_L_Newman)

* *Artificial Unintelligence,* by Meredith Broussard

\*Most readings can be located online or on Canvas and several hard copies are available in the GTL library.

**Course Requirements and Evaluation:**

1. Class Participation – **20%** of course grade

Students are **required** to attend lectures and complete all assigned readings **before** the class lecture. Doing the assigned reading prior to each class is essential since class time will regularly feature discussions, debate and critical analysis of the various assigned texts. Students are expected to participate in classroom discussions on the subjects addressed in the readings and lectures.  Lectures during the course may not cover all the readings. You are responsible for the information contained in the reading, whether it is covered or not in lectures, as well as for the information in the lectures. You should also follow events in international affairs by reading respectable news publications such as *BBC, The International New York Times*, *The Financial Times*, *The Washington Post*, *The Wall Street Journal* and *The Economist*.

1. Quizzes and Homework – **20%** of course grade.

There will be occasional, unannounced quizzes on the readings and/or material provided during the lecture. **There will be no make-up quizzes**. If you miss a quiz and have an approved excuse or you took the quiz but no grade has been posted, you must make that known to the **instructor within a week of the date of the quiz.** If you fail to do so, you will not be given credit for an excused absence. If you have an excused absence, your overall quiz grade will be the average of the quizzes you took. Homework will consist of very short individual responses or short assignments.

1. Group Project/Research paper—**40%** of course grade

In teams, students will choose a topic that requires ethical decision making within the international system or global community due to the border transcending nature of the technology or policy issue. The project will be divided into two distinct parts: a research paper and an in-class presentation. First, the teams must produce a White Paper that provides an overview of the nature of the emerging technology, its broad stages of scientific development and a survey of how it is being assessed and debated in different countries and in various international fora, (e.g. The United Nations, the International Labor Organization, The World Economic Forum, the G20, the OECD, the EU, etc.). The second part of the paper should explore the pertinent societal implications and ethical dilemmas brought forth by the particular technological development (or policy challenge) being examined and the final part must set forth a specific set of recommendations and guidelines to regulate and govern that particular technology or other socio-economic phenomenon under investigation. Contingent on class size and group dynamics, specific tasks will be assigned for both the oral presentation in class as well as the written research paper.

1. Final Exam/Essay—**20%** of course grade

 A final take-home essay prompt will be given during the last week of the semester asking students to reflect on the challenges of technological transformations confronting global society and the set of ethical principles required to achieve a just and humane world in the 21st century while also safeguarding open, free societies where innovation can flourish.

**Grading and Assessment**

A = 89.5-100; B = 79.5-89.4; C = 69.5-79.4; D = 59.5-69.5; F = below 59.5

A: Outstanding and original work; well-argued, well-organized, without significant error or omission.

B: Very fine work, reasonably argued, clearly organized, with only slight error or omission; clearly well above the average.

C: Solid work of a satisfactory nature; clear evidence of engagement and comprehension, but with some organizational, factual, or interpretive errors/omissions.

D: Passing, but only marginally acceptable work with clear deficiencies of length, fact, organization, or interpretation; incomplete work.

F: Unacceptable work submitted with such significant deficiencies that no credit can be awarded.

* Participation 20%
* Quizzes and HW 20%
* Group Project 40%
* Final Exam/essay 20%

**Academic Honesty**:

All work must be entirely your own and must be produced in accordance with the Georgia Tech Honor code. Please read the Academic Honor Code carefully (http//www.honor.gatech.edu/honorcode.html) and familiarize yourself with your rights and responsibilities under Institute regulations. Any suspected cases of cheating on the exams or any other form of academic dishonesty will be turned over immediately to the Office of Student Integrity for investigation. If you have any further queries on this topic, please visit the website of the Dean of Students: [www.deanofstudents.gatech.edu/integrity](http://www.deanofstudents.gatech.edu/integrity)

**Student-Faculty Expectations Agreement**

At Georgia Tech we believe that it is important to strive for an atmosphere of mutual respect, acknowledgement, and responsibility between faculty members and the student body. See <http://www.catalog.gatech.edu/rules/22/> for an articulation of some basic expectations that you can have of us and that we have of you. In the end, simple respect for knowledge, hard work, and cordial interactions will help build the environment we seek. Therefore, we encourage you to remain committed to the ideals of Georgia Tech while in this class.

**For students with disabilities, please consult the GT website to be aware of the services available to you as well as GT’s policies and procedures.** [http ://disabilityservices.gatech.edu/content/15/policies-procedures#Student%20Responsibilities](http://disabilityservices.gatech.edu/content/15/policies-procedures#Student%20Responsibilities)

**ADAPTS contact information**: [http ://www.adapts.gatech.edu/](http://www.adapts.gatech.edu/)

**Course Outline and Reading Assignments**

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| **Date** | **Topics and Readings** |
| **Week One** | **Ethics at the intersection of technology and international affairs in the Global Digital Era*** Introductions and overview of course
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| **Week Two** | **Ethical questions and morality in International Relations*** Amstutz, Introduction and Chapter 1
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|  | **Conceptions of the international community: The communitarian-cosmopolitan debates*** Amstutz, Chapter 2
 |
| **Week Three** | **Ethical theories and Global Society*** Quinn, Chapter 2
* Homework: Discussion questions 32, 34 and 39 and in-class exercises 44, 45 and 48.

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|  **Week Four** | **Ethics, freedom and security in the Information Age*** https://www.nato.int/docu/review/articles/2021/08/12/countering-disinformation-improving-the-alliances-digital-resilience/index.html
* Quinn, Chapter 3 (Pre-Assigned Review and Discussion Questions)
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| **Week Five** | **Globalization and the ethics of international economic relations*** CATCH-UP/Continue Discussion Questions and In-Class Exercises from Quinn Chapter 3
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| **Week Six** |  **Work and Wealth: The impact of technology in shaping societal inequalities*** **Quinn Chapter 10**
* Review questions 1-10
* Discussion Questions: 18-22 & 27 and In-Class exercises: 30 & 33

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| **Week Seven** | **Climate change & the ecological crisis*** Amstutz, Chapter 12 (through page 212)
* UN Sustainable Development Goals
* **Case Study and Debates:** North-South divisions in global environmental governance
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| **Week Eight****Week Nine** | **Intellectual Property in the Global Context*** **Quinn Chapter 4**
* Biodiversity and digitalization (Reading: Simoes and Birchfield paper)

**Information Privacy: The EU and GDPR*** **Quinn Chapter 5**
* **Read the summary of Chapter 6 (& look over PPT for anything in the summary that you want to learn more about) then read the interview with Jerry Berman at the end of the chapter.**

<https://www.economist.com/podcasts/2021/02/03/clash-of-the-titans-apple-and-facebook-go-head-to-head-over-privacy><https://www.hoover.org/research/henry-farrell-abraham-l-newman-privacy-and-power>**RESEARCH TOPICS SELECTED and TEAMS FORMED** |
| **Week Ten** | **Artificial Intelligence****(Peruse/Skim; familiarize yourself with EU goals and values):**<https://europa.eu/european-union/about-eu/eu-in-brief_en>**(Read in its entirety):** <https://ec.europa.eu/info/files/white-paper-artificial-intelligence-european-approach-excellence-and-trust_en> What the U.S. Can Learn From Europe’s Approach to Artificial Intelligence<https://www.nytimes.com/2021/07/30/opinion/artificial-intelligence-european-union.html?referringSource=articleShare>* Selections from Broussard’s *Artificial Unintelligence*
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| **Week Eleven****Week Twelve**  | **NO CLASS FALL BREAK****What special responsibilities do scientists, technologists and computing professionals have?** **Quinn Chapter 9 Professional Ethics**Software Engineering Code of Ethics and ACM Code of Ethics Discussion and Debate: How can we apply these in our daily practice?**Strategies of Ethical Decision Making**Amstutz, Ch 4 |
| **Week** **Thirteen****November 16 & 18** | **Big Data and Algorithms****Cathy O’Neil*: Weapons of Math Destruction* (First three chapters*)*** |
| **Week Fourteen** | **Rough draft of Introduction and Outlines/Division of labor by subtopic should be completed*** **Cathy O’Neil*: Weapons of Math Destruction* (Chapters 4-7*)***
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| **Week Fifteen** | **Continued: Cathy O’Neil*: Weapons of Math Destruction* (Chapters 8, 9, 10 and conclusion*)***Topics: Surveillance Technologies; Gender and Racial Bias problems with facial recognition technologies* Class Presentations of final projects
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|  | * Class presentations of final projects
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| **Week Sixteen** | **Ethics at the intersection of science, technology and international affairs in the Global Digital Era** **LAST DAY OF CLASS: Wrap-up****Final take-home Exam/Essay via Canvas** |
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