

PHI 3626 0W61
Ethics in Science and Technology
Department of Philosophy
College of Arts and Humanities

3 Credit Hours

Instructor Information

- Instructor: Donald E. Jones
- Office Location: Office PSY 231 Please enter through Philosophy Department in PSY 220
- Office Hours: Monday 9-Noon, Tuesday and Thursday Noon-1:30 Virtual Hours vary from week to week and are posted on the course webpages
- Phone: Office 407-823-2759 Philosophy Department 407-823-2273
- Digital Contact: donjones@ucf.edu

Teaching Assistants

- GTA(s): None Currently. One will be added the third week of class
- Email: None

Course Information

- Term: Fall 2018
- Course Number & Section: PHI 3626 0W61
- Credit Hours: 3
- Class Meeting Days: Web
- Class Meeting Time: Web
- Class Location: Web
- Course Modality: W

Enrollment Requirements

Course Prerequisites: COP 3502C Computer Science I, or DIG 2000 Introduction to Digital Media, or PHI 2647 Logic and Ethics, or Consent of Instructor

Course Co-requisites: Any Prerequisite above may be taken as a Corequisite with the consent of the instructor

Other Enrollment Requirements (if applicable): None

Course Description

PR: COP 3502C or DIG 2000 or PHI 2647. Recent research in critical thinking applied to ethics in science and technology.

Covers recent advances in critical thinking and ethics especially as they apply to science and technology. Special emphasis in examples and topics on computer science and information

technology. Typical topics in the emphasis include security, handling of sensitive data, privacy, intellectual property, and open science.

Material divided into two main components: Core and Tracks. Everyone covers the Core material and everyone chooses one of the five possible Tracks. The possible Tracks are (1) Computer Science and Information Technology, (2) Philosophy, (3) History and Philosophy of Science, (4) Cognitive Sciences, and (5) Critical Thinking and Logic.

Course Materials and Resources

Required Materials/Resources

Access code for Core material. Available from UCF bookstore. Just give the course number and the bookstore will supply the code.

Optional Materials/Resources

Student Learning Outcomes

- Outcome 1 Identify recent developments in research in critical thinking in ethics. Shown in multiple choice and true-false quizzes throughout the course.
- Outcome 2 Identify key ethical problems in science and technology. Shown in multiple choice and true-false quizzes throughout the course.
- Outcome 3 Reflect on applications of key research in critical thinking and ethics to problems in science and technology. Shown in two reflective essays. Optionally, shown in optional Discussions online. Can receive credit for well-thought out comments posted in the Discussion area that apply or show an awareness of the material of the course.

Course Activities

Activity Submissions

Attendance/Participation

Make-up Exams and Assignments

Per university policy, you are allowed to submit make-up work (or an equivalent, alternate assignment) for university-sponsored events, religious observances, or legal obligations (such as jury duty). If this participation conflicts with your course assignments, I will offer a reasonable opportunity for you to complete missed assignments and/or exams. The make-up assignment and grading scale will be equivalent to the missed assignment and its grading scale. Please contact me ahead of time to notify me of upcoming needs.

Assessment and Grading Procedures

Assignment	Percentage of Grade
Core Material in Adaptive Learning Modules	30%
Quizzes for One Track Selected From Five Possible Tracks	20%
Exams One and Two Over Core Material (Multiple Choice Plus True-False) May be replaced by Weekly Quizzes.	20%
Two 2-3 page essays	20%
Total	100%

Letter Grade	Points
A	90-100
B	80-89
C	70-79
D	60-69
F	59 or below

Course Schedule

Policy Statements

Academic Integrity

Students should familiarize themselves with [UCF's Rules of Conduct](#). According to Section 1, "Academic Misconduct," students are prohibited from engaging in:

- Unauthorized assistance: Using or attempting to use unauthorized materials, information or study aids in any academic exercise unless specifically authorized by the instructor of record. The unauthorized possession of examination or course-related material also constitutes cheating.
- Communication to another through written, visual, electronic, or oral means: The presentation of material which has not been studied or learned, but rather was obtained through someone else's efforts and used as part of an examination, course assignment, or project.
- Commercial Use of Academic Material: Selling of course material to another person, student, and/or uploading course material to a third-party vendor without authorization or without the express written permission of the university and the instructor. Course materials include but are not limited to class notes, Instructor's PowerPoints, course syllabi, tests, quizzes, labs, instruction sheets, homework, study guides, handouts, etc.
- Falsifying or misrepresenting the student's own academic work.
- Plagiarism: Using or appropriating another's work without any indication of the source, thereby attempting to convey the impression that such work is the student's own.
- Multiple Submissions: Submitting the same academic work for credit more than once without the express written permission of the instructor.
- Helping another violate academic behavior standards.

For more information about Academic Integrity, students may consult [The Center for Academic Integrity \(Links to an external site.\)Links to an external site.](#)

For more information about plagiarism and misuse of sources, see "[Defining and Avoiding Plagiarism: The WPA Statement on Best Practices \(Links to an external site.\)Links to an external site.](#)".

Responses to Academic Dishonesty, Plagiarism, or Cheating

Students should also familiarize themselves with the procedures for academic misconduct in UCF's student handbook, [The Golden Rule](#). UCF faculty members have a responsibility for students' education and the value of a UCF degree, and so seek to prevent unethical behavior and when necessary respond to academic misconduct. Penalties can include a failing grade in an assignment or in the course, suspension or expulsion from the university, and/or a "Z Designation" on a student's official transcript indicating academic dishonesty, where the final grade for this course will be preceded by the letter Z. For more information about the Z Designation, see <http://goldenrule.sdes.ucf.edu/zgrade>.

Course Accessibility Statement

The University of Central Florida is committed to providing access and inclusion for all persons with disabilities. Students with disabilities who need disability-related access in this course should contact the professor as soon as possible. Students should also connect with [Student Accessibility Services](#) (Ferrell Commons 185, sas@ucf.edu, phone (407) 823-2371). Through Student Accessibility Services, a Course Accessibility Letter may be created and sent to professors, which informs faculty of potential access and accommodations that might be reasonable. Determining reasonable access and accommodations requires consideration of the course design, course learning objectives and the individual academic and course barriers experienced by the student.

Campus Safety Statement

Emergencies on campus are rare, but if one should arise in our class, everyone needs to work together. Students should be aware of the surroundings and familiar with some basic safety and security concepts.

- In case of an emergency, dial 911 for assistance.

- Every UCF classroom contains an emergency procedure guide posted on a wall near the door. Please make a note of the guide's physical location and consider reviewing the online version at http://emergency.ucf.edu/emergency_guide.html.
- Students should know the evacuation routes from each of their classrooms and have a plan for finding safety in case of an emergency.
- If there is a medical emergency during class, we may need to access a first aid kit or AED (Automated External Defibrillator). To learn where those items are located in this building, see <http://www.ehs.ucf.edu/workplacesafety.html> (click on link from menu on left).
- To stay informed about emergency situations, sign up to receive UCF text alerts by going to my.ucf.edu and logging in. Click on "Student Self Service" located on the left side of the screen in the tool bar, scroll down to the blue "Personal Information" heading on your Student Center screen, click on "UCF Alert," fill out the information, including your e-mail address, cell phone number, and cell phone provider, click "Apply" to save the changes, and then click "OK."
- Students with special needs related to emergency situations should speak with their instructors outside of class.
- To learn about how to manage an active-shooter situation on campus or elsewhere, consider viewing this video. [You CAN Survive an Active Shooter \(Links to an external site.\)](#)[Links to an](#)



[external site.](#)

Deployed Active Duty Military Students

If you are a deployed active duty military student and feel that you may need a special accommodation due to that unique status, please contact your instructor to discuss your circumstances.

Copyright

This course may contain copyright protected materials such as audio or video clips, images, text materials, etc. These items are being used with regard to the Fair Use doctrine in order to enhance the learning environment. Please do not copy, duplicate, download or distribute these items. The use of these materials is strictly reserved for this online classroom environment and your use only. All copyright materials are credited to the copyright holder.

Third-Party Software and FERPA

During this course you might have the opportunity to use public online services and/or software applications sometimes called third-party software such as a blog or wiki. While some of these could be required assignments, you need not make any personally identifying information on a public site. Do not post or provide any private information about yourself or your classmates. Where appropriate you may use a pseudonym or nickname. Some written assignments posted publicly may require personal reflection/comments, but the assignments will not require you to disclose any personally identity-sensitive information. If you have any concerns about this, please contact your instructor.