

# Pima Community College

## Downtown Campus

**Syllabus for:** Summer 2011 Philosophy 120, Introduction to Logic

**Section code (CRN):** 30588

**Class Meeting Days/Times:** M, T, W, TH 8:00am – 10:10am  
**Class Location:** AH 220

**Instructor:** Kent Slinker, M.A. Philosophy

**Office hours/availability:** by arraignment

**Phone/voicemail:** 206-7314 (text: 245-1656)

**Email address:** kslinker@pima.edu

**Class website :**

<http://kslinker.com>

**Add deadline date:** June 1

**Drop/Refund deadline date:** June 3

**Withdrawal deadline:** June 23

**Final exam date:** June 30

**Last day of class:** June 30

### Course Description

Introduction to the main types of logical reasoning. Includes the nature of language, deductive logic, and inductive logic.

### Course Objectives

**Upon successful completion of the course, the student will be able to:**

- A. Describe the nature of language including its primary uses, types of informal fallacies, and the function of definitions.
- B. Discuss the nature of deductive logic, including the ability to put statements and arguments into standard propositional and syllogistic form, as well as testing for validity by various methods including Venn Diagrams and Truth Tables.
- C. Explain the nature of inductive logic, including the basis of analogical reasoning, Mill's Methods for establishing causal connections, and the role of hypotheses in science.

### Course Outline

- II. Nature of Language
  - A. Introduction to logic
  - B. Uses of language
  - C. Informal fallacies
  - D. Nature of definition

- III. Deductive Logic
  - A. Categorical propositions
  - B. Categorical syllogisms
  - C. Arguments in ordinary language
  - D. Testing by Venn diagrams
  - E. Basic symbolic logic/truth tables applications
  - F. Relations between statements, including
    - 1) Contradiction
    - 2) Entailment
    - 3) Contraries
    - 4) Logical necessity and relevance
    - 5) Nature of paradoxes
  
- IV. Inductive Logic
  - A. Analogy and probable inference
  - B. Causal connections: Mill's Methods
  - C. Science and hypotheses
  - D. Logic and the law

### **Required Text Book(s)**

There is *no required* textbook for this course.

All required reading will be posted on the web.

However, I strongly encourage students who feel they may have difficulties with a Logic course to check out from a library or buy any Introduction to Logic textbook as an additional resource. You may ask me for help in choosing an appropriate book.

An acceptable textbook, "Introduction to Logic" by Cohen and Copi is available on reserve in the Downtown Campus Library.

**NOTE: Since there is no required textbook, it is extremely important that students attend and take notes**

At times, I will use the SmartBoard extensively. The material from the Smartboard will be made available by on the web at our class website.

### **Required Materials**

All required reading will be posted on the class website.

Students who do not have access to the web should arrange computer time at any of Pima Community College Campus Library computer labs .

### **Optional Materials**

Some optional resources for further study and research will be posted on the website. These will be marked as optional sources.

### **ADA Compliance Statement**

Pima Community College in compliance with the American with Disabilities Act and Section 504 of the Rehabilitation Act offers reasonable accommodations, including material in alternative formats to qualified students with appropriate disability documentation. To obtain a reasonable accommodation, students must be registered with a campus Disabled Student Office (DSR) who will verify, identify and authorize implementation. Accommodations cannot be made without verification of need. The DSR office telephone number is 206-6688.

### **Class Preparation and Policies**

Students should read and be familiar with assigned readings *before* class.

**No open laptops or cell phone texting/internet browsing during class** (failure to comply will result in your attendance for that evening canceled and/or you will be asked to leave class). The class is a time of learning and thinking without distraction. Tell friends your schedule so they don't tempt you! There will always be a break half-

way through class. If you need to text or contact others, take that time to do so.

If a student is caught cheating on any test, they will receive a zero for that test.

Any violation of the student code of conduct will result in your attendance for that evening canceled and/or you will be asked to leave class or other disciplinary action as required and/or mandated by the Academic code.

**Please note the student code of conduct is available here: <http://www.pima.edu/studentserv/studentcode/> Part II of that code is found at the end of this document.**

### **Homework**

The purpose of homework is to give the student a chance to practice what they learn in class, and to extend that learning by doing problems not encountered in the classroom.

Also, I call on students to do problems on the board from the homework assignment. So be prepared!

When turning in your homework, make sure it contains three important pieces of information clearly marked at the top:

1. Your name
2. The title of the homework assignment (sometimes this is found only on the course website)
3. The date the homework is to be turned in.

Homework without this information will be marked half credit.

### **Quizzes**

There will be occasional in-class quizzes (both announced beforehand and unannounced pop-quizzes)

### **Tests**

There will be 3-4 tests covering the major sections of Logic plus a final exam. The Final exam will be cumulative. Check the class website for dates as they become available. Listed testing dates are subject to change (with notification)

### **NOTE ON LATE HOMEWORK AND TESTS:**

- Late homework gets one-half credit.
- **IF YOU ARE UNSURE OF WHICH HOMEWORK IS DUE, EMAIL ME!** If you can not attend class, you may email me your homework to receive credit, but I must obtain an actual printed or hard copy of your homework (I don't print student homework)
- If a student must take a midterm or final on another day besides the day assigned, this must be arranged in advance by me, and the *test must be completed before the next regular class meets* after the scheduled test date for the entire class..
- Students with DSR request slips may take the test in the testing center, however *they must take the test before the next regular class meets* after the scheduled test date for the entire class.
- No quizzes can be made up.

### **Grading Procedures and Policy**

The grading scale will be as follows:

- **Quizzes and Homework = 30% of final grade.**
- **Attendance = 20%**
- **Tests = 35%**
- **Final Exam: 15%**

Final Grades will be assigned according to the following scale:

90-100 = A

80-89 = B

70-79 = C

60-69 = D

60 and below is a failing.

Sample grade calculation:  $[(\text{Homework and Quizzes total\%} \times 30\%)] + [(\text{tests total \%} \times 35\%)] + [(\text{Final exam \%} \times 15\%)] + [(\text{Attendance total\%} \times 20\%)] = \text{FINAL GRADE}$

If you have questions about your current standing in class, email me for an update!

"I" grades must be requested in writing by the student and final decisions regarding an incomplete grade are made by the instructor, No incomplete grades will be given if less than 70% of the course work has been completed (see below)

"AU" Any student may audit the course without my prior permission. I will grade the student's work at the student's request.

"W" will be given to students who withdraw before the deadline (see below).

### **Student Withdrawal "W" Grades**

Students may withdraw from class without instructor permission through **June 23**. This can be done on-line or by submitting a "Registration Form" at any Pima College Campus. Students who withdraw receive a "W" as a grade. For further information on how withdrawing will affect your academic record or financial aid, please see an advisor or counselor.

It is the student's responsibility to withdraw from the course before the above stated deadline. Failure to do so may result in the student receiving a grade of "F" for the semester.

### **Incomplete "I" Grades**

You may request a grade of "I" only if all of the following conditions are met: you have earned at least 70% of the available points at the time of your request, your request is made in writing to the instructor and is received by the instructor by **June 23**, and the conditions of your request indicate an extraordinary and verifiable condition to which merits special consideration (for example: death of immediate family member or serious illness to you)

### **"AU" Audit Grades**

Auditing a PCC class means that you enroll, attend and do work for the class but do not expect to receive credit or a grade. To audit the class, you need the instructor's permission and signature on an audit request form from any campus admissions office. This form and appropriate payment must be returned to the admissions office for admission. An audit registration cannot be completed until the first day of class. You must complete your audit registration by the end of the add period for the class you wish to audit. The instructor is not required to grade assignments submitted by students who are auditing the class.

### **Final Grades**

For privacy and security reasons, instructors are advised NOT to give grades over the telephone or via email. Please note: I will only email student grades to Pima Community College email addresses assigned to the student.

Students who wish to check grades may use the grade report which they can access through MyPima.

### **Class Calendar**

See our class website, available by clicking on the appropriate link at <http://kslinker.com>

### **Caveats**

The instructor reserves the right to make changes to the syllabus and will notify students of those changes in class.

**Student Code of Conduct  
Student Discipline Code and Due Process Procedures**

## **II. Student Code of Conduct and Code of Academic Ethics**

### **A. Code of Conduct and Academic Ethics Offenses**

#### **Academic Ethics Offenses**

A student shall not cheat or engage in any other academic ethics violation. Cheating and academic ethics violations include, but are not limited to, the following:

1. Copying from another student's test paper or knowingly allowing one's own test paper to be copied.
2. Using materials during a test that were not clearly authorized by the person giving the test.
3. Collaborating with another student during a test without permission.
4. Knowingly using, buying, selling, offering, transporting, or soliciting any of the contents of a test.
5. Taking a test for another student or permitting another student to take a test in one's place.
6. Bribing or attempting to bribe another person to obtain a passing grade or a better grade on a test or for a course.
7. Intentionally misconstruing facts or events on an evaluated exercise or assignment in a manner that results in a grade change.
8. Engaging in plagiarism, which includes representing the work of another person as one's own, including information downloaded from the Internet. The use of another person's words, ideas, or information without proper acknowledgement also constitutes plagiarism.
9. Obtaining from or giving to another student unauthorized assistance on any course work.
10. Compromising instructional and test materials by acquiring, using, or providing to others unauthorized instructional and/or testing materials.

#### **Code of Conduct Offenses (Other than Academic Ethics Offenses)**

A student shall not engage in a Code of Conduct violation. Code of Conduct offenses include, but are not limited to, the following:

#### **Disruption, Assault and Related Offenses**

A student shall not:

11. Disrupt any educational activity or process including, but not limited to, interrupting, impeding, or causing the interruption or impediment of any class, lab, administrative activity, or College event.

12. Disturb the peace of the College by, among other things, fighting, causing excessive noise, or engaging in indecent or obscene behavior.
13. Initiate, cause or contribute to any false warning or false report of a fire, explosion, emergency or crime.
14. Endanger, threaten to cause physical harm to, or cause actual physical harm to (a) another person, (b) College property, or (c) the property of another person. . This section is intended to include (a) a student who threatens to cause harm to himself/herself and (b) all conduct or communications that a reasonable person would interpret as a serious expression of intent to cause physical harm to a person or damage to a person's property.

### **Offenses Involving False Reports or Presentation of a False Document**

A student shall not:

15. Obtain College goods or services by making a false statement or by using or presenting a false or unauthorized document or a false identification card or paper.

### **Tobacco, Alcohol and Drug Offenses**

A student shall not:

16. Smoke or chew tobacco in College buildings or other areas where such conduct is prohibited by law or College [Standard Practice Guide 2303-AA](#).
17. Smoke or chew tobacco at a College event or activity that does not occur on College property when such conduct is not permitted at the event or activity.
18. Consume, transfer, sell, possess or be under the influence of an alcoholic beverage while (a) on College property or (b) at a College event or activity when such conduct is not permitted at the event or activity.
19. Consume, transfer, sell, possess or be under the influence of any controlled substance, illegal drug, or imitation controlled substance or possess legally prohibited drug paraphernalia. Notwithstanding the above, a student is not in violation of this Code provision if the student possesses or uses prescription medication that is prescribed to the student and is used only in conformance with the prescription.
20. Drive on College property while under the influence of alcohol or drugs.

### **Offenses Involving College IT Systems (Computers, Networks and Telephones)**

A student shall not:

21. Circumvent any College IT System security feature including hacking, probing, or attempting to break into other users' accounts.
22. In connection with a College IT System, obtain or use another person's account name, username or password unless specifically authorized to do so by a College administrator.
23. In connection with a College IT System, create, use or transmit a computer virus, worm, spyware or other type of malicious software.

24. In connection with a College IT System, allow another person to use one's account name, username or password unless specifically authorized to do so by a College administrator.
25. Alter, disrupt, or reconfigure any College IT system unless specifically authorized to do so by a College administrator. This prohibition includes (a) the unauthorized introduction of any new hardware, software, network device or telephone on a College IT system; (b) the unauthorized removal or reconfiguration of any College hardware, software, network device, or telephone from a College IT system; and (c) the unauthorized running of a IT server, whether virtual or physical, on any College IT System network.
26. Use a College IT system to access, view, download, create, store, send, or forward sexually inappropriate materials as defined by A.R.S. §38-448(A).
27. In connection with a College IT System, forge email or other electronic information or engage in any other conduct that is inappropriate or degrades the accuracy of student or other College data.
28. Engage in unauthorized access of any College IT system, any student data, or any other College data.
29. Access, view, download, create, store, send, or forward spam, pranks, pornographic or obscene images or words, or harassing, vulgar, threatening or intimidating messages on a College IT System.
30. Illegally download copyrighted material or violate any software license agreement or intellectual property rights in any College-related context.

### **Discrimination, Harassment, and Sexual Offenses**

A student shall not:

31. Engage in discriminatory conduct against a member of the College community on the basis of age, ethnicity, gender, disability, color, national origin, race, religion, sexual orientation or veteran status.
32. Engage in sexual harassment against a member of the College community, including, but not limited to, engaging in unwelcome physical and/or sexual contact or other conduct of a sexual nature that a reasonable person would know is unwelcome. Such conduct could include (a) repeated sexual advances, or propositions; (b) verbal harassment of a sexual nature, including lewd comments and/or sexual jokes or references; and/or (c) demeaning, insulting, intimidating, or sexually suggestive comments about an individual's dress or body. (See [Board Policy BP1503](#)).
33. Engage in harassing conduct that a reasonable person would understand to be unwelcome or offensive, including, but not limited to, stalking or bullying. Stalking means following another person or making repeated contacts with another person in a manner that would cause a reasonable person to fear for the other person's safety or the safety of that person's immediate family members or acquaintances. Bullying means engaging in conduct that involves physical assaults or threats of physical assault, intimidation, and/or harassment where the purpose or effect of the conduct is to exert dominance over another person.
34. Engage in any illegal sexual offense, including, but not limited to, sexual assault, public sexual indecency, or indecent exposure.

### **Offenses Involving Weapons**

A student shall not:

35. Use, possess, display, or store any weapon, dangerous instrument, explosive material or device, fireworks, bomb-making materials or dangerous chemical on College property, or at a College activity or event, unless specifically authorized by (a) an Arizona or federal statute governing law enforcement officers; (b) a written document signed by the campus President in situations where the weapon, dangerous instrument, or dangerous material is used for an academic, law enforcement, or other legitimate purpose and the presence of the item does not present an undue risk to the College community; or (c) A.R.S. §12-781, which provides that a person may store or transport a legally possessed firearm inside that person's locked and privately owned motor vehicle or inside a locked compartment on that person's privately owned motorcycle. Such firearm must not be visible from the outside of the motor vehicle or motorcycle.

### **Property and Related Offenses**

A student shall not:

36. Misuse, steal, misappropriate, or use or access without permission, property, data, records, equipment or services belonging to the College or to another person or entity.
37. Possess property one knows or has reason to believe is stolen or misappropriated.
38. Damage, destroy, or deface property, data, records or equipment belonging to the College or to another person or entity, including, but not limited to, taking down or defacing College authorized posters, handbills, or notices posted on College property, and damaging or defacing library materials.
39. Enter or occupy any College building, grounds, vehicle, or facility without proper authorization from a College employee to do so.
40. Block an entry to or exit from College property or a College event or activity without proper authorization from a College employee to do so.
41. Litter on College property or at a College activity or event.
42. Use, distribute, duplicate, modify, or possess any keys or pass cards issued for any building, facility, room, or other College property without authorization from the College to do so.

### **Offenses Involving the Violation of a Local, State or Federal Law**

A student shall not:

43. Violate any local state or federal law.
44. Violate the copyright laws. (See [SPG 2701/AA](#) Copyright Practice and Compliance)

### **Offenses Involving the Violation of a College Policy, Rule, SPG or Directive**

A student shall not:

45. Violate any College policy, regulation, or SPG.
46. Violate any College traffic or parking rule or regulation.

47. Fail to comply with the directions of College officials or agents, including law enforcement or security officers, acting in good faith in the performance of their duties. This includes failing to appear before a College administrator when directed to do so. This section is not intended to prohibit the lawful assertion of an individual's Fifth Amendment right against self-incrimination.

### **Offenses Related to Disciplinary Sanctions and Proceedings**

A student shall not:

48. Violate the terms of any disciplinary sanction or restriction imposed on him/her as a result of a Code violation.
49. Interfere with any College student or employee disciplinary process, including, but not limited to, tampering with physical evidence, providing false testimony at a disciplinary meeting or hearing, or requesting or inducing another person to provide false information or withhold information at a meeting or hearing.

### **Miscellaneous Offenses**

A student shall not:

50. Fail to obtain approval from the Office of Student Life prior to (a) posting or distributing information of any kind on College property or at a College event or activity; (b) engaging in commercial solicitation on College property or at a College event or activity; or (c) selling merchandise on College property or at a College event or activity unless specifically authorized by the College to do so.
51. Fail to reasonably supervise, and provide for the care of, a minor child in the custody or control of the student when the minor child is on College property or at a College event or activity.

### **Attempted Misconduct and Conspiracy Offenses**

A student shall not:

52. Attempt to engage in conduct prohibited by this Code. A student who engages in attempted misconduct can be disciplined to the same extent as if the student completed the prohibited act.
53. Join with others in a conspiracy to engage in conduct prohibited by this Code. A student engages in a conspiracy when the student (a) agrees with others to engage in a plan or scheme that violates the Code and (b) undertakes one or more actions in furtherance of the agreement. A student who conspires with others to engage in conduct prohibited by the Code can be disciplined to the same extent as if the student alone engaged in the prohibited conduct, regardless of whether or not the conspiracy was completed.

### **B. List of Offenses may be Supplemented by other Rules**

In addition to the Code standards set forth above, students enrolled or participating in specific College academic programs and/or extracurricular activities, including athletics, may be subject to additional rules, regulations and/or standards established by the applicable program, club, team, or organization.