

**INTER AMERICAN UNIVERSITY OF PUERTO RICO
METROPOLITAN CAMPUS
FACULTY OF SCIENCE AND TECHNOLOGY
DEPARTMENT OF COMPUTER SCIENCE AND MATHEMATICS
PROGRAM B.SC. COMPUTER SCIENCE**

SYLLABUS

I. GENERAL INFORMATION

Course Title	:	INTERNSHIP AND PROFESSIONAL ETHICS
Code and Number	:	COMP 4910
Credits	:	THREE (3)
Academic Term	:	
Instructor	:	
Office Hours and Location	:	
Office Telephone	:	
E-mail	:	

II. DESCRIPTION

Experience in a real work environment in an institution approved by the course supervisor. Development and presentation of a project in the field of Computer Science, under the supervision of a faculty member. Professional ethics seminars. The student is required to dedicate at least one hundred and twenty (120) hours to the internship and attend several seminars related to professional ethics issues. Requirements: COMP 4200 and 4420.

III. OBJECTIVES

It is expected that, at the end of the course, the student can:

1. Apply the knowledge acquired at the university level in a professional work environment.
2. Develop complex applications with a diversity of programming languages.
3. Apply knowledge in the field of ethics related to the use of computers.

IV. CONTENT

It does not apply in its entirety. The largest component of this course is actual on-the-job practice.

Topics:

1. Definitions and terms related to ethics and computers.

2. Case Studies (Case Studies) related to ethics in the use of computers.
3. The ten commandments of ethics in the use of computers.
4. Seminars and readings of articles related to professional ethics, and subtopics derived from ethics, such as health, ergonomics, work environment, Internet addiction.

V. LEARNING ACTIVITIES

Participation in the readings and discussion of articles related to computer ethics. There will be four (3) assessments of work and two assignments in addition to your participation in the articles. The student is expected to actively participate in the course, despite the fact that the course uses the Internet modality. There will be readings, synthesis and discussion of articles, bibliographic search of topics related to the course. Preparation of tasks related to job search, job market and curricular reflection. Participation in other course activities.

VI. EVALUATION

Criteria	Score	% of Final Note
Exam #1	100	30
Exam #2	100	30
Exam #3	100	30
Homework / Case of Studies	100	10
Total	400	100

VII. SPECIAL NOTES:

A. Auxiliary Services or Special Needs

All students who require auxiliary services or special assistance must request these at the beginning of the course or as soon as they know that they need them, through the proper registry, in the Office of the Coordinator of Services to Students with Disabilities, Dr. Maria de los Angeles Cabello, located in the Counseling Program, Room 111, on the first floor of the John Will Harris Building, 787-2501912, extension 2306. Email mcabello@metro.inter.edu

B. Honesty, Fraud and Plagiarism (Chapter V, General Student Regulations)

Dishonesty, fraud, plagiarism, and any other inappropriate behavior in relation to academic work constitutes major infractions sanctioned by the General Student Regulations. The major infractions, as stated in the General Student Regulations, may have as a consequence, suspension from the University for a definite period greater than one

year or the permanent expulsion from the University, among other sanctions.

C. Use of electronic devices

Cellular telephones and any other electronic device that could interrupt the teaching and learning processes or alter the environment leading to academic excellence will be deactivated. Any urgent situation will be dealt with, as appropriate. The handling of electronic devices that allow students to access, store or send data during evaluations or examinations is prohibited.

D. Compliance with the provisions of Title IX

The Federal Higher Education Act, as amended, prohibits discrimination because of sex in any academic, educational, extracurricular, and athletic activity or in any other program or function, sponsored or controlled by a higher education institution, whether or not it is conducted within or outside the property of the institution, if the institution receives federal funds.

In harmony with the current federal regulation, in our academic unit an Assistant Coordinator of Title IX has been designated to offer assistance and orientation in relation to any alleged incident constituting discrimination because of sex or gender, sexual harassment, or sexual aggression. The Assistant Coordinator, Sr. George Rivera Rodríguez, can be reached by phone at 787 250-1912, extension 2262, or by e-mail grieverar@metro.inter.edu

The Normative Document Titled **Norms and Procedures to Deal with Alleged Violations of the Provisions of Title IX** is the document that contains the institutional rules to direct any complaint that appears to be this type of allegation. This document is available in the Web site of Inter American University of Puerto Rico (www.inter.edu).

VIII. EDUCATIONAL RESOURCES

Textbook

IX. BIBLIOGRAPHY

1. Brey, P. (1999). Worker Autonomy and the Drama of Digital Networks in Organizations, *Journal of Business Ethics*, 22: 1, 15-25 .
2. Bynum, Terrell, and Simon Rogerson. (1996). Introduction and Overview : Global Information Ethics, *Science and Engineering Ethics*, 2(2): 131-136.

3. Bynum, Terrell. (2003). A Very Short History of Computer Ethics, APA Newletters on Philosophy and Computers, Spring 99.2 : 163-165.
(See also
http://www.southernct.edu/organizations/rccs/resources/research/introduction/bynum_shrt_hist.html)
4. Campbell, Paul, et al. (2004). Security & Guide to Network Security Fundamentals. Farmington, MICH: Thomsom Course Technology. ISBN: 0-619-21294-2.
5. Holdem, Greg. (2003). Guide to Network Defense and Countermeasures. Farmington, MICH: Thomsom Course Technology. ISBN: 0-619-13124-1.
6. Johnson, Deborah. (2001). Computer Ethics. 3rd ed. Prentice Hall.
7. Maner Walter. (1996). Unique Ethical Problems in Information Technology. Science and Engineering Ethics, 2(2): 137-154.
8. Shinder, D. (2003). Computer Networking Essentials, Upper Saddle River, NJ: Prentice Hall. ISBN: 1-58713-038-6.
9. Snodgrass, Richard T. (2002), Developing Time-Oriented Database Applications in Sql (Morgan Kaufmann Series in Data Management Systems) Morgan Kaufmann Publishers ISBN: 1558604367
10. Tavani H.T. (2000). Computer Ethics: Current Perspectives and Resources, APA Newletters on Philosophy and Computers, Spring 99.2 : 166-170.
(See also
<http://www.apa.udel.edu/apa/publications/newsletters/v99n2/computers/feature~tavani.asp>.)
11. Tavani H.T. (2000). The Uniqueness Debate in Computer Ethics: What Exactly Is at Issue, and Why Does It Matter?, Ethics and Information Technology, 4.1,37-54.

Online references:

<http://office.microsoft.com/en-us/default.aspx> : Microsoft Office OnLine.

<http://www.fgcu.edu/support/office2000> : Microsoft Office Tutorials.

<http://msdn.microsoft.com/office> : Microsoft Office Developer Center.

Professional Magazines on the Internet:

<http://www.microsoft.com/spanish/MSDN/estudiantes/ingsoft/default.asp>

MSDN Student Online Magazine