

COSC1147: PCP

Professional Computing Practice
Semester 2, 2017
Lecture 1



Administration

Few things about this course

- ▶ Core course for all undergraduates
- ▶ ACS (**ACS, who is that?**) made it a mandatory requirement.
- ▶ This course provides a practical and theoretical introduction to what it means to be an IT professional today.
- ▶ You will encounter a range of issues relevant to professional practice in the workplace, as well as an understanding of the wider responsibilities that professionals are called upon to uphold IT in society.

Do I need it?

- ▶ A lot of programmers, professionals and others working in industry would tell you - YES!!
- ▶ A lot of you may think - NO!!
 - ▶ Such a waste of my time, I am a programmer, who needs to be a professional?
 - ▶ I am good at coding and that is all that counts
 - ▶ My attire, professional acumen and general outlook does not count
 - ▶ I can hide in the dungeon and code all night and come out at 5 am for a coffee (no one will be around at that time)
 - ▶ *So on and so forth...*

Do I need it?

- ▶ Think again, you will need to change your thinking drastically.
- ▶ According to many surveys done recently and the feedback gathered from industry representatives, we have found out that- IT graduates score low (when I say low, I mean '*Bart Simpson-low*') on these skills
 - ▶ Communication (written and spoken)
 - ▶ Being humble (somehow 'arrogance' is revered)
 - ▶ Professional acumen
 - ▶ Respect for protocols and,
 - ▶ Ability to be analytical in a non-coding environment.

Do I need it?

- ▶ So please pay attention to this course
- ▶ You will benefit immensely
- ▶ The days of being an ‘amazing programmer with no personal skills’ are far behind us
- ▶ The industry now seeks a more dynamic professional who can communicate effectively and think outside the technical domain.
- ▶ So,

Listen-Think-Analyse and Apply

Tute and Lab Modules

1. Personal Effectiveness
2. Professional Team Work
3. Professional Ethics
4. Professional Public Speaking and Presentation
5. Professional Business Writing

Tutorials

- Personal Effectiveness
 - Personality and Communication (Tutorial Week 2)
 - Influence and Assertiveness (Tutorial Week 3)
 - Innovative Thinking and Practice (Tutorial Week 4)
- Team Work
 - Team Formation (Tutorial Week 5)
 - Negotiation Skills (Tutorial Week 6)
 - Dealing with Difficult People and Behaviour (Tutorial Week 7)
 - Responsibilities (Tutorial Week 8)
- Professional Ethics (Copyright, Licences, IP) (Tutorial Week 9)
- Professional Presentation (Tutorial Week 10)
- Professional Business Writing (Tutorial Week 11)

Labs

- Personal Effectiveness
 - Interpersonal Communication Skills (Lab Week 2)
 - Impressions and Assumptions (Lab Week 3)
 - Questioning Skills (Lab Week 4) - [Lab Test 1]
- Team Work
 - Team Types (Lab Week 5)
 - Negotiation Practice (Lab Week 6)
 - Conflict Resolution (Lab Week 7) - [Lab Test 2]
 - Scrum Roles (Lab Week 8)
- Professional Ethics (Lab Week 9)
- Professional Presentation (Lab Week 10) - [Lab Test 3]
- Professional Business Writing (Lab Week 11) - [Lab Test 4]

Assessments

Three Assignments

Assignment 1: worth 10%

Assignment 2: worth 25%

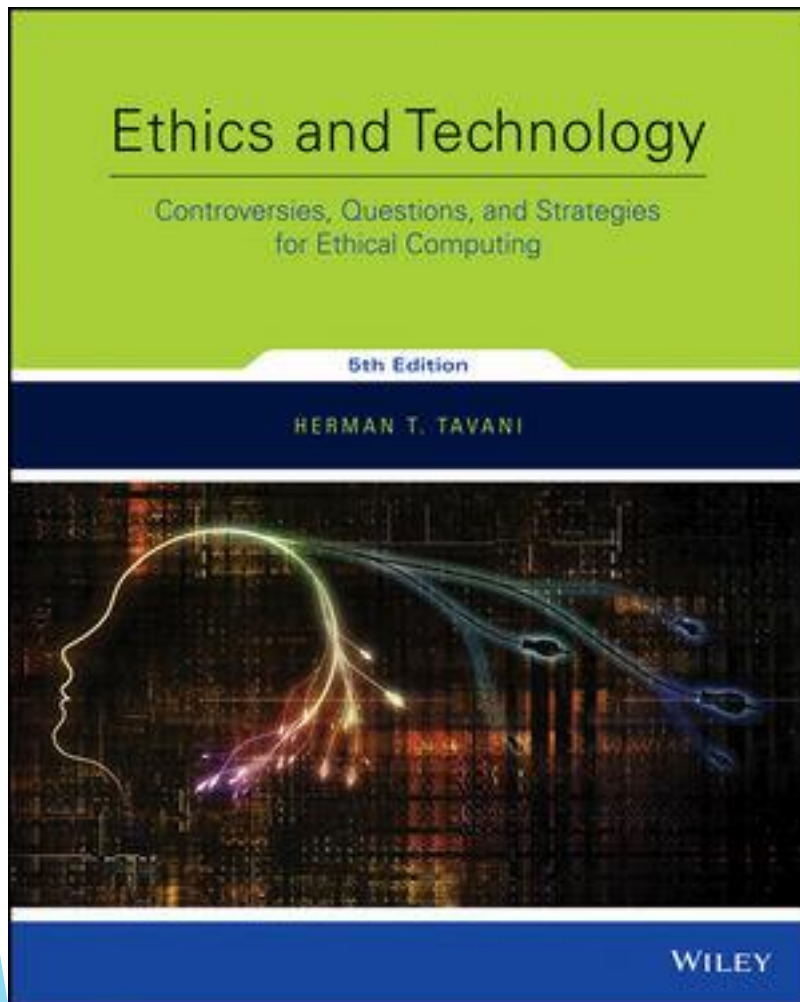
Assignment 3: worth 10%

Lab tests: worth 8%

Lecture Quizzes: worth 7%

Final Exam: worth 40%

Textbook: Herman T. Tavani



- ▶ Ethics and Technology: Controversies, Questions, and Strategies for Ethical Computing, 5th Edition
- ▶ ISBN: 978-1-119-18657-1
- ▶ WILEY, 2016

Textbook suggested reading

- Please read these-
 - Chapter 1: Introduction to Cyberethics..
 - Pages 1-13, 24-28
 - Chapter 3: Critical Reasoning Skills..
 - Pages 74-87, 91-98