Valparaiso University

IT 510 Course Information & Syllabus
Introduction to Information Technology – Summer 2018, Session 1

Instructor: Professor Robert J. Wichlinski, Robert.wichlinski@valpo.edu

Class Schedule: This is an on-line course.   **Dates:May 22 – June 29, 2018**

Class Location: This is an on-line course.

Session 1 Exam: To Be Announced.

Office Hours: By appointment.

Office: Meier Hall, Room 145D

Office Phone: 219-464-5847

Mobile Phone: 219-712-6000 (text only please)

Required Textbook:

Understanding Computers: Today and Tomorrow, Comprehensive
Deborah Morley, **Charles S. Parker**
16ᵗʰ Edition (earlier editions are *not* acceptable)

Technology: Blackboard software, Broadband Internet Access, Computing Device capable of supporting an Internet browser.

Course material: Usually but not exclusively material will be posted on Blackboard.valpo.edu.

Course Description: This course is designed to introduce the scholar to the fundamental concepts of Information Technology. *No prior experience in information technology is required, presumed or necessary to succeed in this course*.

Disability Support: As part of its mission for its students, Valparaiso University has developed a nondiscrimination policy which identifies its intention to provide a safe and tolerant environment for all, including those with disabilities. Please contact Zebediah Hall, Director of Disability Support Services, at 6496, if you believe you have a disability that might require a reasonable accommodation in order for you to perform as expected in this class. The office will work with you and me directly to make sure you receive any reasonable accommodation needed as the result of a disability. More information is on the Disability Support Services website at http://www.valpo.edu/disabilityss/

Class cancellation and other notices: This is an on-line course. All notices will be posted on Blackboard and your Valpo email.

Objectives for this course*:*

1. Describe the components of IT systems and their interrelationships.
2. Describe how complexity occurs in IT.
3. Recognize that an IT professional must know how to manage complexity.
4. List examples of tools and methods used in IT for managing complexity.
5. Describe the role of the IT professional as the user advocate.
6. Explain why life-long learning and continued professional development is critical for an IT professional.
7. Explain why adaptability and interpersonal skills are important to an IT professional.
8. Distinguish between data and information, and describe the interrelationship.
9. Describe the importance of data and information in IT.
10. Explain why the mastery of information and communication technologies is important to an IT professional.
11. Explain why the IAS perspective needs to pervade all aspects of IT.
12. Describe the elements of a feasible IT application
13. Identify the extend and activities involved in an IT application
14. Understand the requirements of the business processes
15. Outline the project management processes
16. List the integration processes
17. Outline the history of computing technology.
18.) Describe significant impacts of computing on society.
19.) Describe significant changes in human-computer interaction.
20.) Outline the history of the Internet.
21.) Define "Information Technology".
22.) Describe the relationship between IT and other computing disciplines.
23.) Describe the relationship between IT and non-computing disciplines.
24.) Explain why mathematics and statistics are important in IT.
25.) Describe the application of IT in non-computing disciplines.
26.) Describe how IT has impacted almost all aspects of modern living.
27.) Describe ways and extends in which IT has changed the interaction and communication in our society.
28.) Describe how IT has impacted the globalization of world economy, culture, political systems, health, security, warfare, etc.

Honor Code:

You must do your own work. Plagiarism will not be tolerated and when/if detected in the authorship of your assignments will be graded an F with ZERO (0) credit awarded for the assignment.

Valparaiso University operates under a student initiated Honor Code. The Honor Code is an integral part of VU and permits students to do their academic work in an atmosphere of responsible freedom. The Honor Code is based on the highest principles of Christian ethics and morality and presumes every student is willing to maintain honesty in all academic work, as well as other phases of university living. Students are required to sign the pledge, indicating that they have submitted honest work and have not allowed the dishonesty of others to erode the integrity of the Honor System:

I have neither given nor received nor have I tolerated others' used of unauthorized aid.

The Honor Code applies to all students registered for academic credit at Valparaiso University. Students have the responsibility for not using, giving, or tolerating unauthorized aid. When the definition of unauthorized aid is in question, students should as the instructor to interpret the application of the Honor Code. In case of further doubt, students share the responsibility of clarifying the definition of unauthorized aid.

Grading:

- Seven (7) written homework assignments each receiving one (1) point.
- Seven (7) weekly discussion board participation each receiving one (1) point.
- Session 1 exam receiving six (6) points.

The following grading scale will be used to calculate a final grade in the course predicated on a total of twenty (20) possible points:

19/20 points = A
18 points = A-
17 points = B+
16 points = B
15 points = B-
14 points = C+

Attendance & Participation: This is an on-line course. You are expected to participate in on-line discussion forums and complete weekly assignments in a timely manner.

Appropriate Behavior: When conversing on our discussion board, we will remain respectful, civil, and refrain from personal attacks and the use of profanity.