

**KUTZTOWN UNIVERSITY**  
**Department of Computer Science and Information Technology**

**Course Title:** CPSC 253 (Sec. 010)  
– Information Technology Systems (Fall 2025)

**Instructor:** Dr. Charlie Y. Shim

**E-Mail Address:** shim@kutztown.edu

**Home Page:** <http://faculty.kutztown.edu/shim>

**Office:** OM 262

**Phone:** 610-683-4414

**Office Hours:** M, W 1:00PM – 3:00PM (OM 262)  
T, TH 9:00AM – 9:30AM (OM 262)  
or by appointment

**Meeting Time:** T, TH 9:30 – 10:45AM, OM 299

**Course Description:** Information Technology comprises the part of computing that provides solutions to problems using computer-based technologies. Representing the fundamental vehicle through which computing solutions are provided, the technologies that make up these solutions are continually evolving. The course introduces the student to information technology systems, specifically the basic concepts used to define, build, and maintain information technology systems. Students will be introduced to the major technologies that are used in information technology systems, how these technologies are assembled into operating system architecture, and the principles of systems and information management.

**Prerequisite:** C or better in one the following CPSC111 or CPSC120 or CPSC123 or CPSC135 and Sophomore Status

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

- A. Explain the relationship between information technology systems, data, information, and knowledge.
- B. Explain information technology systems architecture and related concepts.
- C. Define and explain the software development life cycle (SDLC) and its role in the creation of information technology systems.
- D. Demonstrate the understanding of the basics of project management such as project scheduling, and resource assignment.
- E. Describe the functions and role of information technology systems management.
- F. Describe in detail the major technologies used in Information Technology Systems including:
  - i. Applications
  - ii. Networks
  - iii. Database
  - iv. Web and Internet
  - v. Security

G. Learn teamwork principles to build an effective project management team.

**Textbook:** *Introduction to Information Systems, Supporting and Transforming Business (8th Edition)*  
by Kelly Rainer and Brad Prince (Publisher: Wiley) (ISBN: 9781119594635)

**Reference:** *Information Technology Project Management (6th Edition)*  
by Kathy Schwalbe, Course Technology, CENGAGE Learning (ISBN: 0324786921)

*Computer Networking, A Top-Down Approach (8th Edition)*  
by Jim Kurose and Keith Ross (Publisher: Pearson) (ISBN: 9780135928523)

<b>Grading:</b>	Midterm Exam	20 %
	Final Exam	30%
	Assignments	30 %
	Quiz	20 %
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	Total Points	100 %

Your final grade in the course will be given according to the following scale:

A  $\geq$  90%,      B  $\geq$  80%,      C  $\geq$  70%,      D  $\geq$  60%,      F < 60%

**Attendance:** Lecture attendance is strongly encouraged. You are responsible for all material covered during lectures whether you are present or not. You are also expected to have read the appropriate sections of the text prior to the lecture. Unannounced quizzes will be given frequently throughout the semester. Makeup quizzes will not be given.

**Exams:** There will be a 100-point midterm exam and a 100-point comprehensive final exam. All exams must be taken at **the scheduled time** unless I have approved an alternative time **PRIOR** to the scheduled time. Make up exams will be given to those students, who have official University functions or other well-documented circumstances, such as hospital confinement. Please inform instructor well in advance of such circumstances. Makeup should be completed within one week of the exam date or you will receive a grade of zero.

**Homework:** Start on homework as soon as it is assigned. Homework must be handed in at the beginning of class on the due date. Late assignments will have a reduction in points of 10% per day and **absolutely** no late homework assignment will be accepted if they are **more than two days late**. It is important to complete the reading assignment before the next class.

**Accreditation:** Assignments, exams, and quizzes may be photo-copied and retained for program accreditation.

**E-Mail Correspondence:** Students are **REQUIRED to use their Kutztown University e-mail account** for all e-mail correspondence with the course instructor. Please indicate the course number (enclosed in square brackets) in the subject line.

**Course Etiquette and Behavior:** Students will demonstrate respect for the instructor and other students in the classroom and lab. This includes unacceptable language usage in the classroom and laboratory. The course instructor will report behavior that is disruptive to the positive learning environment. A warning will be issued on the **first instance** and will be reported to the department chairperson. On a **second instance**, the student will be referred to the Provost's Office.

**Academic Dishonesty:** Plagiarism and cheating are serious offences and may be punished by failure on exam, paper or project; failure in the course; and/or expulsion from the University. Academic dishonesty includes the following actions, as well as other similar conduct aimed at making false representation with respect to the student's academic performance:

(1) Cheating on an exam or quiz,

- (2) Collaborating with other students on work to be presented, if contrary to the stated rules of the course,
- (3) Submitting, if contrary to the rules of the course, work previously submitted in another course,
- (4) Copying or changing programs done by other students and submitting it as their own,
- (5) Plagiarism.

For more information, visit the Computer Science department's academic integrity policy, located at:

<https://www.kutztown.edu/Departments-Offices/A-F/ComputerScienceInformationTechnology/Documents/Student%20Resources/AcademicIntegrityPolicy.pdf>.

**Accommodations:** Persons with a disability, and who require accommodation, should notify the Disability Services Office two weeks prior to the event at 610-683-4108 or email [DSO@kutztown.edu](mailto:DSO@kutztown.edu) in order to discuss accommodations. Every effort will be made to provide reasonable accommodations. Please note: Kutztown University does not provide wheelchairs or other mobility devices.

**Non-discrimination statement:** Kutztown University does not discriminate in employment or educational opportunities on the basis of sex, race, ethnicity, national origin, age, disability, religion, sexual orientation, gender identity or veteran status. To discuss a complaint of discrimination, please contact the University's Title IX Coordinator located in the Office of Social Equity, Old Main A-Wing, Room 02, by phone at 610-683-4700 or by email at [pena@kutztown.edu](mailto:pena@kutztown.edu).