

Computer Literacy

Spring 2018

Introduction



- HEATHER GUARNERA
 - Ph.D. Candidate
 - Area of Research – Algorithms, Graph Theory, Software Engineering
 - Office: MSB 352
 - Office Hours: MW 1-2pm, and by appointment
 - hmichaud@kent.edu

- Where to find materials
 - Course website: www.cs.kent.edu/~hmichaud (topics, calendar)
 - Blackboard (HW assignments and submission, labs, grades)

- Lecture slides are adapted from Ms. Aditi Singh, Kent State University

Registration and Withdrawal Deadlines



- Last day to register: January 19
- Last day to withdraw before “W” is assigned: January 21
- Last day to withdraw with “W” assigned: March 25

What I expect from you



- Regular attendance
- Active participation
- Feedback
- Self – learning
- Relate computational thinking with your field

Learning outcome



- Various aspects of computing, applications, and impact in modern society
- Emerging trends in technology
- Software literacy through labs

Grading scheme



- 10%: Homework Assignments (5-6)
- 10%: Lab Assignments (4-5)
- 20%: Project (1)
- 25%: Participation (includes **attendance** and occasional **quizzes**)
- 45%: Exams (3, including Final)

Scale:	0%	60%	67%	70%	73%	77%	80%	83%	87%	90%	93%
Grade:	F	D	D+	C-	C	C+	B-	B	B+	A-	A
GPA:	0.00	1.00	1.30	1.70	2.00	2.30	2.70	3.00	3.30	3.70	4.00

Lecture



Topics are organized into the following modules:

- Laptop/Desktop
- Mobile
- Cyberspace
- Future of Technology

Module 1: Laptop/Desktop



- Hardware
- Software
 - Operating System
 - Booting Process
- Data Storage
- Application Software

Module 2: Mobile



- Operating system
- RAM
- Bluetooth
- Infrared
- Camera
- Productive Software

Module 3: Cyberspace



- Cyberspace and Internet
- Ecommerce
- Internet of things
- Networks: LAN, WAN, and MAN
- Privacy and Security Issues
- Types of Computer Crimes

Module 4: Smart devices



- Smart Homes
- Virtual Reality
- Autonomous Vehicle
- 3D Printing
- Wearable Devices
- Future Technology

Labs



- Microsoft Office (4 labs)
 - Word
 - Excel
 - PowerPoint
 - Access Database (if time permits)
- Basics of web design (1 lab)
 - Create an e-portfolio / webpage using Google Sites
 - Submit during finals week

Project



- Pick a topic to present
 - Future Technology
 - Related to area of interest
- Submit and present during finals week