CPSC 110
INTRODUCTION TO COMPUTING

Instructor:	Prof. Aaron Koehl aaron.koehl@cnu.edu
Office Hours:	Gosnold 223, MW 9-10am, 2-3pm, and by appointment.
Meeting Times:	MWF 11am, 3pm Gosnold 111

OVERVIEW

This course will introduce you to computers, their capabilities, limitations, and implications. Applications such as spreadsheets, databases, multimedia, and webpage development. Computer terminology, hardware and software organization.

OBJECTIVES

In this course, you will be exposed to contemporary topics in computing, through lectures and labs.
Upon finishing this course, it is expected that you will be able to:

- Understand the capabilities of modern computers.
- Be fluent in and converse intelligently about contemporary computing topics.
- Develop a webpage, and understand basic networking concepts.
- Understand the use of spreadsheets in the workplace and be able to develop your own.
- Understand the fundamental ideas behind database systems.
- Understand the limits to computation and modern hardware development.
- Approach everyday problems with new tools and new perspectives.

    The essential objectives of the course are learning principles, generalizations or theories, and gaining factual knowledge, such as terminology, classifications and trends.

    Other important objectives are learning to apply course material, and developing specific skills, competencies and points of view needed by professionals in the field.

TEXT

Snyder, Lawrence. Fluency with Information Technology, 5th Ed. Addison-Wesley: Boston, Massachusetts. 2013. ISBN 978-0-13-282893-2

LECTURES AND LABS

Students are responsible for attending both lectures and labs. Labs will be completed individually, or in pairs of 2 students assigned by the instructor, and as such, attendance is necessary. Labs are the primary application component of the skills you will learn this semester. You are responsible for obtaining and bringing a flash drive to class. Use of the computers for a particular day will be announced at the beginning of class.

ASSESSMENT

There will be three partial-term tests during the semester.   (No make-up exams will be given)
The grading breakdown is as follows:

- Coursework (Labs)   35%
- Tests (x3)   40%
- Final Exam   25%

HONOR POLICY

"*On my honor, I will maintain the highest possible standards of honesty, integrity, and personal responsibility. That means I will not lie, cheat, or steal and as a member of this academic community, I am committed to creating an environment of respect and mutual trust.*"

DISABILITIES

In order for a student to receive an accommodation for a disability, that disability must be on record in the Dean of Students' Office, 3rd Floor, David Student Union (DSU). If you believe that you have a disability, please contact Dr. Kevin Hughes, Dean of Students (594-7160) to discuss your needs. Dean Hughes will provide you with the necessary documentation to give to your professors.

Students with documented disabilities are required to notify the instructor no later than the first day on which they require an accommodation (the first day of class is recommended), in private, if accommodation is needed. The instructor will provide students with disabilities with all reasonable accommodations, but students are not exempted from fulfilling the normal requirements of the course. Work completed before the student notifies the instructor of his/her disability may be counted toward the final grade at the sole discretion of the instructor.

TUTORING

The Center for Academic Success offers free assistance for CNU students in writing, mathematics, science, languages, and other subjects. The Center is located in room 240 of the Trible Library. For more information please visit http://tutors.cnu.edu or call 594-7684.

SUCCESS

I want you to succeed in this course and at CNU. I encourage you to come see me during office hours or to schedule an appointment with questions or concerns about the course and material. If I become concerned about your course performance, attendance, engagement, or well-being, I will speak with you first. I may also submit an Institutional Referral Form that will be received by the Center for Academic Success. Depending upon the nature of my concern it also may be received by Counseling Services. If you are an athlete then your referral will be routed to the Athletic Academic Support Coordinator. Someone will contact you to help determine what will help you succeed. Please remember that this is a means for me to support you and help foster your success at CNU.

TENTATIVE SCHEDULE   REV. 1

	TOPIC	Resources
Week 1	Introduction, What is IT?	Lecture, Ch. 1
Week 2	Hardware, Software, the Experience	Ch. 2
Week 3	Networking / The Internet	Ch. 3
Week 4	HTML	Ch. 4
Week 5	HTML/The World Wide Web/FTP	Lab, Ch. 5, Slides
	EXAM 1	
Week 6	Spreadsheets	Ch. 13/14
Week 7	Spreadsheets	Ch. 13/14
Week 8	Digital Information	Ch. 7
Week 9	**SPRING BREAK (Mar 4-8)**	
Week 10	Multimedia	Ch. 8
	EXAM 2	
Week 11	Algorithmic Thinking	Ch. 9/10
Week 12	Databases	Ch. 16/17, Lecture Notes
Week 13	Data Modeling	Ch. 16/17, Lecture Notes
Week 14	Database Lab	
	EXAM 3	
Week 15	*Privacy/Security	Ch. 12
	*Limits to Computation	Ch. 22
	*Social Implications of IT/Malware	Ch. 11
Week 16	**FINAL EXAM**	

* Lectures drawn from these topics