CSE 101 Computers A General Introduction

Spring 2018

Course Description

Course critically examines popular concepts of information age computing, including:smart devices, societal implications, history, hardware function, sensors, networks, problem solving, and software concepts. Internet technologies such as Web 2.0, rich internet applications, responsible use of social networking, and cloud computing are examined. Privacy and security are an underpinning across all topics. Students will gain practical, lab-based experience with spreadsheets, database systems, HTML design, and various operating systems, including Windows, Mac OS X, Linux and Android.

Learning Outcomes

Students will become aware with how computing is part of their everyday life with considerations of the ethics that factor in. Practical experience will provide students with familiarity with creation of word documents, spreadsheets, presentations, databases and webpages. The knowledge to compute safely will be gained by hands on activities. Student will also improve computer literacy with concepts on computer hardware and operating systems discussed.

Course Prerequisites

None

Textbook

Required:
University at Buffalo CSE 101 Winikus Spring 2018: Computing Technology for All, it is a $58 subscription.

Instructions to get the book: (use of your buffalo.edu email address is required)

1. Sign up at zyBooks.com
2. Enter zyBook code: **BUFFALOCSE101WinikusSpring2018**
3. Click *Subscribe*

Note: You must sign up with your UB email address and put your Person Number in the field where it asks for your student ID. This is necessary since you have assignments that will come from this book.

Course Requirements

Not enrolled as a computer science or computer engineering major. Successful completion of this course requires students to attend lectures and labs along with completing assignments, exams, labs and quizzes with a high level of quality and care.

Schedule

Lecture: 4-4:50 pm, MWF, NSC 205

Recitations:
A1: 2 pm - 4:50 pm, Capen 201A, Tuesdays
A2: 8 am - 10:50 am, Baldy 206, Thursdays

Attendance

Lectures:
If you do not attend lecture you risk missing important content and information, however, there will be no enforcement of attendance other than when exams and quizzes are scheduled. In lecture quizzes may not be announced ahead of time. If you do not show up for an exam or quiz without previous arrangements barring extreme unforeseeable circumstances, then you will not be allowed to make up the exam or quiz.

Labs:
When labs are assigned it is mandatory that you attend your assigned section to perform your lab. If you must miss your section, speak with your TA as soon as possible. Sections are full so attending other sections is not allowed without express permission. You are to use this time to work on your lab assignments however you may need to spend additional time outside of the lab to complete the work. You may also use this time to work on other course related assignments.

Instructor Contact Information

Dr. Jennifer Winikus
Email: jwinikus@buffalo.edu
Website: www.cse.buffalo.edu/~jwinikus
Office Phone: 716-645-4757
Office: Davis 351

Office Hours

Unless instructed that they have changed.
To Be Announced, Davis 351
By appointment, email to arrange.

TAs will provide additional office hours which will be announced.

Academic Content

Topics will tentatively include (but are not limited to):

- Word processing
- Databases
- Spreadsheets
- Computer History
- Safe Computing
- Computer Hardware
- Webpage Development
- Operator System Basics

Grading Policies

Your grade will be comprised of:
12.5 % Exam 1
12.5 % Exam 2
20 % Final Exam
10 % Homework, Quizzes, and other assignments
5 % Zybooks Participation
40 % Laboratory Assignments
2 % extra credit will be available by completing one the extra credit options provided.
Other extra credit opportunities may be made available.

Your final score for the course will be converted into a letter grade as follows:

- A: 100–94
- A-: 93–90
- B+: 89–87
- B: 86–84
- B-: 83–80
- C+: 79–77
- C: 76–74
- C-: 73–70
- D: 69–60

- F: 59–0

The instructor reserves the right to curve grades if appropriate.

Incompletes (I/IU): The course follows the university undergraduate incomplete policy. A grade of incomplete ("I") indicates that additional coursework is required to fulfill the requirements of a given course. Students may only be given an "I" grade if they have a passing average in coursework that has been completed and have well-defined parameters to complete the course requirements that could result in a grade better than the default grade. An "I" grade may not be assigned to a student who did not attend the course.

Prior to the end of the semester, students must initiate the request for an "I" grade and receive the instructor's approval. Assignment of an "I" grade is at the discretion of the instructor.

The instructor must specify a default letter grade at the time the "I" grade is submitted. A default grade is the letter grade the student will receive if no additional coursework is completed and/or a grade change form is not filed by the instructor. "I" grades must be completed within 12 months – see the Incomplete Grade Policy for the schedule. Individual instructors may set shorter time limits for removing an incomplete than the 12-month time limit. Upon assigning an "I" grade, the instructor shall provide the student specification, in writing or by electronic mail, of the requirements to be fulfilled, and shall file a copy with the appropriate departmental office. Students must not re-register for courses for which they have received an "I" grade

Collaboration Policies

Unless explicitly told, all work is to be done independently with only the assistance of TAs and the instructor. You may discuss the general concepts of assignments and what the question asks for with other students but you may not discuss answers.

Unauthorized collaboration will result in an "F" in the course as a violation in academic integrity.

Exam Policy

There will be 3 exams. Two exams will be in class, the final exam is scheduled by the registrar. You must have a valid ID with you at the time of the exam (UB Card will suffice) and your own writing tools. You can not borrow pens or pencils during the exam. During the exam, talking or looking at your phone is not allowed, and doing so may result in an automatic "F" on the exam based on the incident.

Any accommodations must be made in advanced barring extraordinary circumstances.

Due Dates

All submissions will be made on UBLearns.

Late work:
No work will be accepted after midnight on Friday of the last week of classes barring extraordinary circumstances. This includes regrade requests.

All assignments have a time and a day due date, you may submit up to 24 hours late at no penalty. After that no late work will be accepted barring extraordinary circumstances and that no solutions have been released. In that case a late penalty may be applied. If a regrade is desired, you have 1 week from the time the grade is released to request a regrade. Corrections are not allowed on homework and lab assignments.

Email Policy

Students are responsible for email sent to their official University at Buffalo email address. Communication will not be done with non-university email addresses. A level of professionalism is expected with all communications.

Accessibility Resources

If you have any disability which requires reasonable accommodations to enable you to participate in this course, please contact the Office of Accessibility Resources, 60 Capen Hall, 645-2608, and also the instructor of this course. The office will provide you with information and review appropriate arrangements for reasonable accommodations.

University Policies

You are expected to adhere to all university policies, including those listed below and not listed.

Academic Integrity Policy:
http://undergrad-catalog.buffalo.edu/policies/course/integrity.html

University Policy on Accommodations:
https://policy.business.buffalo.edu/Policy%20Library/Reasonable%20Accommodation.pdf

The Office of Equity, Diversity and Inclusion provides many resources including the following policies to be followed:

Discrimination and Harassment:
http://www.buffalo.edu/administrative-services/policy1/ub-policy-lib/discrimination-harassment.html

Reasonable Accommodation:
http://www.buffalo.edu/administrative-services/policy1/ub-policy-lib/reasonable-accommodation.html

Religious Accommodation and Expression:
http://www.buffalo.edu/administrative-services/policy1/ub-policy-lib/religious-accommodation-expression.html

Departmental Academic Integrity Policy
https://engineering.buffalo.edu/computer-science-engineering/undergraduate/resources-for-current-students/academic-integrity-students.html

Student Code of Conduct
http://www.buffalo.edu/content/dam/www/studentlife/units/uls/judicial-affairs/ub-student-code-of-conduct.pdf

Classroom Behavior Expectations
https://catalog.buffalo.edu/policies/obstruction.html

Departmental Statement on Academic Integrity in Coding Assignments and Projects

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All academic work must be your own. Plagiarism, defined as copying or receiving materials from a source or sources and submitting this material as one's own without acknowledging the particular debts to the source (quotations, paraphrases, basic ideas), or otherwise representing the work of another as one's own, is never allowed. Collaboration, usually evidenced by unjustifiable similarity, is never permitted in individual assignments. Any submitted academic work may be subject to screening by software programs designed to detect evidence of plagiarism or collaboration.

It is your responsibility to maintain the security of your computer accounts and your written work. Do not share passwords with anyone, nor write your password down where it may be seen by others. Do not change permissions to allow others to read your course directories and files. Do not walk away from a workstation without logging out. These are your responsibilities. In groups that collaborate inappropriately, it may be impossible to determine who has offered work to others in the group, who has received work, and who may have inadvertently made their work

available to the others by failure to maintain adequate personal security. In such cases, all will be held equally liable.

Departmental Policy on Violations of Academic Integrity

The CSE Department has a zero-tolerance policy for AI violation.
All AI violation cases will be reported to the department, school and university, and recorded.
Even the 1st offense will receive "F" for the course, unless the instructor deems it appropriate to reduce the penalty.
Subsequent violation of AI in any form and in any other course will automatically result in a "F" grade, with no exception.

Tentative Schedule

The schedule and content is subject to change.

Week	Date	Material
1	M- Jan 29	Introduction
1	W- Jan 31	Critical Skills
1	F- Feb 2	Computing in Everyday Life
2	M- Feb 5	
2	W- Feb 7	History of Computing
2	F- Feb 9	Word Processing
3	M- Feb 12	Social and Ethical Issues
3	W- Feb 14	
3	F- Feb 16	Privacy
4	M- Feb 19	Privacy/Security
4	W- Feb 21	Security
4	F- Feb 23	
5	M- Feb 26	Tentative Exam 1 Review
5	W- Feb 28	Tentative Exam 1

5	**F- March 2**	**Spreadsheets**
6	**M- March 5**	**Hardware**
6	**W- March 7**	**Computers**
6	**F- March 9**	
7	**M- March 12**	**Presentations**
7	**W- March 14**	
7	**F- March 16**	**Peripherals**
8	**M- March 19**	**No Class- Spring Break**
8	**W- March 21**	**No Class- Spring Break**
8	**F- March 23**	**No Class- Spring Break**
9	**M- March 26**	**Databases**
9	**W- March 28**	
9	**F- March 30**	**How Computers Think - Number systems**
10	**M- April 2**	
10	**W- April 4**	
10	**F- April 6**	**Embedded Systems**
11	**M- April 9**	**Webpages**
11	**W- April 11**	
11	**F- April 13**	
12	**M- April 16**	**Exam 2 review**
12	**W- April 18**	**Exam 2 tentative**
12	**F- April 20**	
13	**M- April 23**	
13	**W- April 25**	**Networks**
13	**F- April 27**	

14	**M- April 30**	**Internet**
14	**W- May 2**	
14	**F- May 4**	
15	**M- May 7**	**Operating Systems**
15	**W- May 9**	
15	**F- May 11**	**Last Day of Class** **Final Exam Review**
	M- May 14	**Final Exam Week- No Class**
	W- May 16	**Final Exam Week- No Class**
	F- May 18	**Final Exam Week- 3:30-6:30, NSC 210**

Final exam is scheduled- NSC 205 - May 18 3:30-6:30

Important Dates

First Day of Classes: Monday January 29
Last Day to Drop/Add: Monday February 5
Last Day to Resign: Friday April 20
Last Day of Classes: Friday May 11