Introduction to Computer Programming
Course Syllabus – Fall 2012

Course Information

Instructor:	Dr. Mike Jochen	**Course Number:**	CPSC 130
Phone:	570.422.3036	**Section:**	91953
Email:	mjochen@esu.edu	**Class Time/Place:**	Tues/Thurs 11 – 12:15 p.m.
Office:	337 SCITECH Building		355 SCITECH
Office Hours:	Tues/Thurs 12:45 – 1:45 p.m.	**Semester Hours:**	3
	Weds 9:30 a.m. – 12:30 p.m.		
	& by appointment		

Prerequisites

None.

Course Overview

This course teaches fundamental concepts and terminology of computer programming. Students will develop skills in designing and writing simple computer programs. The course requires no programming background. This is a programming intensive course.

Course Objectives

By the end of the semester, you will be:

- Familiar with programming in an IDE.

- Familiar with program readability/understanding including program style/formatting and self-documenting code.

- Familiar with debugging process.

- Able to design and implement basic programming solutions including statements, control structures, and methods.

- Able to develop simple GUI programs.

- Able to instantiate and invoke objects from the Java API including strings.

Resources

- **Textbook:** Horstmann, C. *Big Java: Late Objects*. Wiley, 2012. ISBN: 9781118289068. (Required textbook)

  Note: This is a special version of this textbook. This course uses the WileyPlus website for most learning activities. The ISBN above is for a book that is bundled with an access code for this website. The best place to purchase the text is the ESU bookstore. If you buy a used book, or a book from other sources, you most likely will not receive an access code. This will cost you additional money to purchase the access code separately.

- Selected readings from various sources as assigned

- Online Course management System: `https://esu.desire2learn.com/`

- Online Course Assignment Site: `https://www.wileyplus.com/`
  (Direct link to course is: `http://edugen.wileyplus.com/edugen/class/cls293705/`)

- Graduate Assistants are available in room 356 SCITECH from 9 a.m. – 4 p.m. to help with tutoring

Requirements

Throughout the semester you will complete the following:

- Individual/Group Homework/Programming Assignments

- Quizzes

- Exams

Tentative Class Schedule

The following is a tentative schedule for the course. Homework assignments will be announced in class. Quizzes may be announced and/or "pop" (unannounced). An updated version of this schedule will be available on the class course management site.

Date	Topic	Activity	Reading
8/28	Introduction, Java		
8/30	IDEs, Pseudocode		Chpt 1
9/4	Edit/compile/debug process		Chpt 1
9/6	Data Types: Variables		Chpt 2
9/11	Arithmetic & Expressions		Chpt 2
9/13	I/O		Chpt 2, Sections 7.1 – 7.3
9/18	Strings		Chpt 2
9/20		Exam 1	Chpts 1–2, 7.1
9/25	Decisions: "if" Statements		Chpt 3
9/27	Comparisons		Chpt 3
10/2	Multiple Alternatives		Chpt 3
10/4	Nested Branches		Chpt 3
10/9	Switch Day	No Class!	
10/11	Booleans & Input Validation		Chpt 3
10/16	Looping: "while"		Chpt 4
10/18	"for" Loops		Chpt 4
10/23	"do" Loops		Chpt 4
10/25		Exam 2	Chpts 3–4
10/30	Sentinel Values		Chpt 4
11/1	Nested Loops		Chpt 4
11/6	Methods		Chpt 5
11/8	Parameter Passing		Chpt 5
11/13	Return Values		Chpt 5
11/15	Method Reuse		Chpt 5
11/20	Variable Scope		Chpt 5
11/22	Thanksgiving Break	Eat Turkey!	
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Date	Topic	Activity	Reading
(continued from previous page)			
11/27	Objects & Classes: OOP		Chpt 8
11/29	Implementing a Class		Chpt 8
12/4	Arrays		Chpt 6
12/6	Array Algorithms		Chpt 6
12/11		Final Exam 11 a.m.–1 p.m.	

Grading

All work is due at the time and day specified when the assignment is given. Submission details for work to be graded will be given at the time the work is assigned. If you want me to reconsider your grade on a particular assignment, you must make your request within seven days of my handing out the graded work.

Quizzes will be given throughout the semester. I will automatically drop your one, lowest quiz score (one score only) when calculating your final grade.

If you are absent the day an exam or quiz is given, you will receive a grade of zero. If you know you must miss a class, please speak with me ahead of time so that we can try to make a mutually beneficial arrangement. Some examples of situations that *may* permit a make-up would be: extreme illness, death in the family, imprisonment, etc. Some examples that will not get you a make-up are: minor illness, sporting events, concerts, routine doctor visits, social events, oversleeping, etc.

I do not give separate make-up assignments. If I authorize a make-up for an exam or quiz, the make-up will consist of the final exam or next quiz grade counting twice (once for the make-up grade, and once for the final, or next quiz grade).

The make-up of the total number of points for your final grade breaks down as follows:

- 5%   Class Attendance/Participation
- 5%   Quizzes
- 20%   Semester Exams (2 exams, each worth 20%)
- 25%   Programming Assignments
- 25%   Final Exam

Letter Grades

Rather than grading on a competitive, curve-based grading scheme, I use a criterion-based grade scale. Thus, if every student works sufficiently hard, and earns a letter grade of "A", then all students will receive "A"s. Your grade reflects the amount and quality of work that you, the student, accomplish during the semester. To that end, I do not assign your grade, you **earn** your grade.

This means, to receive an "A", you must perform excellent work. Excellent work is that work which is marked with distinction, going above and beyond that of merely meeting the requirements for an assignment. Your final grades will be decided based on the following scale:

	A (Excellent)	B (Good)	C (Fair)	D (Poor)	E (Failure)
Final Grade	(Excellent)	(Good)	(Fair)	(Poor)	(Failure)
Semester Average	90.0–100	80.0–89.9	70.0–79.9	60.0–69.9	0–59.9

Class Attendance and Participation Policies

Class attendance is required. As such, attendance will be taken each class. **If you are absent for four or more unexcused absences, you will receive a final grade of E (failure) for the class (regardless of your average).** I expect you to participate constructively in each class. When you fail to come to class, not only do you miss out on the material for the day, but you disadvantage your fellow students as your unique perspective is absent from class discussion and problem sessions. **Please note:** to be considered

"present", you must be present for the **entire class period**. If you arrive late, or leave early, **you risk being marked absent for the day** (unless prior arrangement has been made with the instructor).

Assignment Lateness Policy

I strongly encourage you to keep up with the pace of the class. You risk putting yourself at a distinct disadvantage for learning when you get into the habit of submitting work after the due date. However, I do recognize that unforeseen events happen in life and I will accept late assignments with the following provisions: For each day late (n being the number of days late), you lose 2^n percentage points on your assignment. For example, if you turn in an assignment one day late, you will lose $\%2^1$ or 2%, two days late will cost $\%2^2$ or $\%4$, three days late will cost $\%2^3$ or $\%8$. In essence, the penalty for lateness doubles each day. Late assignments are not accepted after the sixth late day. Weekends and holidays count as late days.

Academic Honesty Policy

All work submitted is to be completed individually (unless indicated as a group assignment), and is to be the sole product of your own efforts. Group work is to be the sole product of members of the group. Any perception of anything to the contrary or that violates the spirit of the Student Code of Conduct will be handled accordingly. This policy provides a range of very unpleasant possible outcomes, should a violation be suspected. I encourage you to become familiar with this policy. Please refer to the relevant sections of the Student Code of Conduct from the Student Handbook for more information.

Special Needs

If you need special accommodations or require additional assistance to fully participate and be successful in this class, I encourage you to contact me as soon as possible. I strongly desire each and every one of my students to be able to achieve their goals in this class. I will work with you and the Office of Disability Services to ensure that you have every opportunity to do well.

Ten Tips for Success

1. Come to class and arrive on time
2. Actively participate in class discussion and activities
3. Do the assigned reading (when it is assigned)
4. Do the assigned homework (when it is assigned)
5. Review your notes/assignments daily
6. Ask questions when you are unsure of something
7. Ask questions when you would like to know more about something
8. Accept points of view that are different from your own
9. Respect other members of your class
10. Come see me as soon as you have difficulty with any of the material that we cover in class – do not wait until it is too late!

Statement of Understanding
CPSC 130 91953
Fall 2012

By signing below, I indicate that I have read and understand all policies and provisions described in this syllabus. I further indicate that I have familiarized myself with the Student Code of Conduct and that I will abide by this code.

_____   _____

Printed Name   Date

_____

Signature