COMP 1900 CS 1: Intro to Computer Science – Spring 2018
Mr. Kriangsiri (“Top”) Malasri

Contact Information:

<table>
<thead>
<tr>
<th>Office: Dunn Hall 396</th>
<th>Department Office: Dunn Hall 375</th>
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<tbody>
<tr>
<td>Phone: 901.678.5689</td>
<td>Department Phone: 901.678.5465</td>
</tr>
</tbody>
</table>

Email: kmalasri@memphis.edu
The best way to get in touch with me is through email – I will almost always respond within 24 hours, usually much sooner.

Office Hours: No formal hours, but I’m generally around in the afternoon. Stop by anytime – you may want to call or set up an appointment in advance to ensure I’m there.

Lab TAs:
- (101) Khang Nguyen
  - knguyen3@memphis.edu
- (102, 103) Daya Budhathoki
  - D.Budhathoki@memphis.edu
- (104, 106) Stephen Lee
  - smlee@memphis.edu
- (105) Laqin Fan
  - lfan1@memphis.edu

Graders:
- (001) Aashis Ghimire
  - ghimire1@memphis.edu
- (002) Mishfaq Ahmed
  - mahmed1@memphis.edu
- (003) Keli Cheng
  - kcheng@memphis.edu
- (003) Bryant Ford
  - B.Ford@memphis.edu

Lecture Meeting Times/Locations:
- (001) MW 5:30-6:55 pm FCB 133
- (002) MWF 9:10-10:05 am Dunn Hall 119 (Dr. Bill Baggett teaches this section)
- (003) MW 12:40-2:05 pm Dunn Hall 233

Lab Meeting Times/Locations:
- (101) W 10:15 am-12:15 pm Dunn Hall 232
- (102) R 1:00-3:00 pm Dunn Hall 232
- (103) R 3:15-5:15 pm Dunn Hall 232
- (104) W 12:40-2:40 pm Dunn Hall 232
- (105) F 10:20 am-12:20 pm Dunn Hall 232
- (106) F 2:45-4:45 pm Dunn Hall 232

Catalog Description:
COMP 1900 – CS 1: Introduction to Computer Science (4) Overview of computer science as a field; problem-solving strategies with emphasis in fundamental programming skills, primitive data types, control structures, arrays, strings, I/O, basic recursion, documentation, testing and debugging techniques; introduction to object-oriented concepts. Three lecture hours, two laboratory hours per week. PREREQUISITE or COREQUISITE: MATH 1910 or MATH 1421 (or MATH 1830 for COMP minors)

Course Website:
Lecture notes, code that we write in class, assignments, and grades will be posted to the eCourseware system: https://elearn.memphis.edu

Required Text:

Evaluation:
- Lab Assignments 200 pts. (8 @ 25 pts. each)
- Lab Quizzes 150 pts. (2 @ 75 pts. each)
- Programming Project 100 pts.
- Quizzes 100 pts. (2 @ 50 pts. each)
- Midterm Exam 200 pts.
- Final Exam (Comprehensive) 300 pts.

Final grade: add up your point total and divide by 1000. Note that the highest possible percentage grade is 105% since the points add up to 1050. This gives you some built-in buffer in case your second cousin’s ex-wife’s brother-in-law has a funeral that forces you to miss an assignment, or a temporary zombie apocalypse happens to just your neighborhood, or whatever. This also means I’ll be strict about enforcing assignment deadlines. Please don’t beg me for points for late assignments.
Grading Scale:  Letter grades will be determined as follows:

- A+: 96-100%; A: 90-95%
- B+: 87-89%; B: 81-86%; B-: 79-80%
- C+: 77-78%; C: 71-76%; C-: 69-70%
- D+: 67-68%; D: 60-66%
- F: Below 60%

Attendance and Participation:
It is crucial that you attend class (both lecture and lab) regularly, especially if this is your first experience with computer programming. The class will keep building on itself and moves at a fairly brisk pace, so you need to get a good handle on each concept soon after we discuss it.

Labs and Programming Project:
Labs meet in Dunn Hall 232. Please attend the lab section for which you registered. Do not swap lab sections from week to week. Lab assignments will usually consist of two parts: an in-lab assignment and a lab homework. The in-lab part will be handed out during lab hours and should be worked on during those hours. You should turn in this part to your lab TA before leaving lab for the day. You are welcome to ask the lab TA for help with in-lab assignments. The lab homework will be handed out at the end of lab hours. You should complete this part on your own and turn it in to your lab TA by the beginning of the following week’s lab session.

Two of the lab sessions are set aside for lab quizzes. These will test your ability to solve programming problems on the computer by yourself, without any assistance from the lab TA or any other resources.

In addition to the lab assignments, there will be one larger programming project. As you have plenty of time to work on the project, it is MANDATORY that your project submission successfully compiles and runs. A project submission that does not compile/run will receive zero credit.

Late/Makeup Policy:
All assignments are expected to be completed and turned in on schedule. Due dates will be clearly indicated for each assignment. Late assignments are NOT accepted except in extreme circumstances. Likewise, makeup quizzes and exams will be given only under extreme circumstances. If you feel that your circumstances warrant a late work submission or a makeup quiz/exam, get in touch with me as soon as possible. Be prepared to show some kind of documented proof of your situation.

eCourseware Dropbox Policy:
All code submissions should be made through the dropbox on eCourseware unless specifically indicated otherwise. The dropbox will automatically cut off submissions precisely at the deadline. It is your responsibility to submit your work with time to spare, and to double check that your submission made it into the dropbox. “I accidentally submitted the wrong file,” “The dropbox was having technical issues at the last minute,” “I submitted the file but somehow it never made it to the dropbox,” “The dropbox wouldn’t accept my submission because it was 3 seconds late,” and similar statements are NOT valid excuses.

Email:
Please check your University of Memphis email account at least once a day, as that is my primary means of communicating with you outside of class.

Plagiarism/Cheating Policy:
An essential part of learning any skill is getting plenty of practice with it yourself. That said, it’s often helpful if you bounce ideas off other people. I don’t mind if you discuss general solution approaches with other students. However, the work that you hand in should always be your own. Handing in work that’s identical to another student’s except minor changes like variable names does NOT count as your own work.

If I determine that you have copied something directly from a book, the Internet, or some other source, you will receive a failing grade on the assignment and (at my discretion) a failing grade in the course. If I determine that you have copied another student’s assignment, this will happen to both you and the person from whom you copied. The incident may also be forwarded to the University Judicial Affairs Office for further disciplinary action. Please don’t put me in this situation.
Getting Help:
Although I expect your work for this class to be done individually, I encourage you to seek help if you get stuck:

- Come talk to me! I’m very willing to sit down and try to provide hints without giving away the solution.
- Contact your lab TA.
- The Computer Science Learning Center (http://www.memphis.edu/cs/current_students/cslc.php) in Dunn Hall 208 will be open throughout the semester if you’d like to get help from upper-level undergraduate students who have done well in this course.

Student Disabilities:
If you have a disability that may require assistance or accommodations, or if you have any questions related to any accommodation for testing, note taking, reading, etc., please speak with me as soon as possible. You must contact Disability Resources for Students (http://www.memphis.edu/drs) to officially request such accommodations / services.

Tentative Course Schedule:

<table>
<thead>
<tr>
<th>Date</th>
<th>Lecture Material</th>
<th>Text</th>
<th>Project</th>
<th>Quizzes</th>
<th>Labs</th>
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</thead>
<tbody>
<tr>
<td>1/17</td>
<td>Course intro / binary numbers / first Java program</td>
<td>Ch. 1</td>
<td></td>
<td></td>
<td>NO LAB</td>
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<tr>
<td>1/22</td>
<td>Program input, variables, assignment</td>
<td>Ch. 2</td>
<td></td>
<td></td>
<td>Lab 1</td>
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<tr>
<td>1/24</td>
<td>Expressions and data types</td>
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<tr>
<td>1/29</td>
<td>Conditionals (if, if-else, if-else if)</td>
<td>Ch. 3</td>
<td></td>
<td></td>
<td>Lab 2</td>
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<tr>
<td>1/31</td>
<td>Conditionals (logical operators, switch)</td>
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<tr>
<td>2/05</td>
<td>Math class</td>
<td>Ch. 4</td>
<td></td>
<td>Quiz 1 (2/05)</td>
<td>Lab 3</td>
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<tr>
<td>2/07</td>
<td>Characters and strings</td>
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<tr>
<td>2/12</td>
<td>Loops (while, do-while, for)</td>
<td>Ch. 5</td>
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<td></td>
<td>Lab 4</td>
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<td>2/14</td>
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<tr>
<td>2/19</td>
<td>Loops (nested)</td>
<td>Ch. 5</td>
<td></td>
<td></td>
<td>Lab Quiz 1</td>
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<tr>
<td>2/21</td>
<td>Problem day (basic programming) / Review for exam</td>
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<tr>
<td>2/26</td>
<td>MIDTERM EXAM</td>
<td>Ch. 6</td>
<td></td>
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<td>NO LAB</td>
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<tr>
<td>2/28</td>
<td>Defining and calling methods</td>
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<td>3/05</td>
<td>Spring Break – NO CLASS</td>
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<td>3/07</td>
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<tr>
<td>3/12</td>
<td>Arguments, overloading methods</td>
<td>Ch. 6</td>
<td></td>
<td>Project posted</td>
<td>Lab 5</td>
</tr>
<tr>
<td>3/14</td>
<td>Recursive methods</td>
<td>Ch. 18</td>
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<tr>
<td>3/19</td>
<td>Arrays: basic syntax and usage</td>
<td>Ch. 7</td>
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<td></td>
<td>Lab 6</td>
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<td>3/21</td>
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<tr>
<td>3/26</td>
<td>Arrays: sorting and searching</td>
<td>Ch. 7, 18</td>
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<td>Quiz 2 (3/26)</td>
<td>NO LAB</td>
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<td>3/28</td>
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<td>4/02</td>
<td>2-D arrays</td>
<td>Ch. 8</td>
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<td>Lab 7</td>
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<td>4/09</td>
<td>Problem day (methods and arrays)</td>
<td>Ch. 9</td>
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<td>Lab Quiz 2</td>
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<td>4/11</td>
<td>Classes and objects</td>
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<td>4/16</td>
<td>Static variables and methods, encapsulation</td>
<td>Ch. 9</td>
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<td>Lab 8</td>
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<tr>
<td>4/18</td>
<td>Passing objects, arrays of objects</td>
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<tr>
<td>4/23</td>
<td>Problem day (OOP concepts)</td>
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<tr>
<td>4/25</td>
<td>Review for final</td>
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<td>NO LAB</td>
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**FINAL EXAM:**
(001) Wednesday, May 2, 5:30-7:30 pm
(003) Wednesday, May 2, 10:00 am-12:00 pm
(same classroom as lecture)

Tentative Quiz and Exam Topics:

- Quiz 1: Number conversions, program input, variables, assignment, expressions, data types, conditionals
- Lab Quiz 1: Program input, variables, assignment, expressions, data types, conditionals, basic loops
- Midterm Exam: All material from Ch. 1-5
- Quiz 2: Methods, recursion, basic arrays
- Lab Quiz 2: Methods and arrays
- Final Exam: Everything!