Computer Science 1213
Programming with Python
Spring 2020 Syllabus

1 General Information

Instructor: Dr Nic Grounds
Teaching Assistants: ? & ?
Class Time: 3:00 PM - 4:15 PM, T/R
Class Location: Gallogly Hall, 0127
Lab Time: 11:30 AM - 12:20 PM or 12:30 PM - 1:20 PM, F
Lab Location: Sarkeys Energy Ctr, M0207

Required Materials:

Instructor and TA Office Hours:
Office       Hours       E-mail
DEH 205   T/R: 1:30-2:30 nicgrounds@ou.edu
           T/R: 4:30-5:00
           and as needed
DEH 115   ?
DEH 115   ?

1.1 Important Dates

<table>
<thead>
<tr>
<th>First Day of Class</th>
<th>Jan 14</th>
</tr>
</thead>
<tbody>
<tr>
<td>Final Exam Prep Week</td>
<td>Apr 27 - May 1</td>
</tr>
<tr>
<td>Final Exam</td>
<td>Tuesday, May 5, 4:30 PM - 6:30 PM</td>
</tr>
<tr>
<td>Final Day No-Record Drop</td>
<td>Jan 27</td>
</tr>
<tr>
<td>Final Day W-Record Drop</td>
<td>May 1</td>
</tr>
<tr>
<td>Final Day for Credit → Audit</td>
<td>Jan 27</td>
</tr>
</tbody>
</table>

2 Course Policies

2.1 Class Attendance

Class attendance is important because we will discuss/clarify concepts and examples that are may not be in the textbook. You are responsible for everything that is announced in class, independent of whether you choose to attend or not. Graded assignments will be given in class and will generally require a computer with Internet access capable of writing and executing Python code (like homework assignments). Students who do not attend will not get credit for these assignments.

2.2 Class Home Page

This class will use Canvas software for our home page. The URL for the home page is [http://canvas.ou.edu](http://canvas.ou.edu). Login with your 4+4 using your standard OU password. If you have difficulty logging in, call 325-HELP. This software provides a number of useful features, including a list of assignments and announcements, an electronic mailing list, and grade book. All updates to schedule or assignment due dates will be announced in class and posted to this web site. You should check the site regularly.
2.3 Class Email Alias

Urgent announcements will be sent through email. It is your responsibility to:

- Regularly read your university supplied e-mail or have it forwarded to a location where you do regularly read e-mail.
- Have your email program set up so that replying to your email will work correctly. You can send email to yourself and reply to yourself to test this. If you need assistance in accomplishing any of these tasks, contact 325-HELP. You are responsible for reading emails within 24 hours.

2.4 Examinations

There will be two traditional mid-term examinations in this course. In addition, a final exam will be given on the scheduled final exam date.

2.5 Accommodation of Disabilities

The University of Oklahoma is committed to providing reasonable accommodation for all students with disabilities. Students with disabilities who require accommodations in this course are requested to speak with the professor as early in the semester as possible. Students with disabilities must be registered with the Office of Disability Services prior to receiving accommodations in this course. The Office of Disability Services is located in Goddard Health Center, Suite 166, phone 405/325-3852 or TDD only 405/325-4173.

2.6 Use of Evaluations

The College of Engineering utilizes student ratings as one of the bases for evaluating the teaching effectiveness of each of its faculty members. The results of these forms are important data used in the process of awarding tenure, making promotions, and giving salary increases. In addition, the faculty uses these forms to improve their own teaching effectiveness. The original request for the use of these forms came from students, and it is students who eventually benefit most from their use. Please take this task seriously and respond as honestly and precisely as possible, both to the machine-scored items and to the open-ended questions.

3 Course Coverage and Procedures

3.1 Material Covered

Most topics from zyBooks will be covered, though not necessary to the same depth. All exams and homeworks are based on material presented in lectures which in turn are based on zyBooks material (and to a small degree, some external material).

3.2 Software Tools

Various software development and analysis tools will be presented and used during the course of the software development project. Some tools will be recommended and their use is optional and some will be required. No commercial software requiring monetary cost will be required. Using commercial software optionally without proper licensing is illegal, unethical, and unacceptable in this class.

3.3 Backup Copies of Work

It is the students’ responsibility to backup their files appropriately. No extensions to deadlines will be given as a result of lost files, unless there is a massive, network wide problem that affects the entire class. Do not rely on anyone else to backup your important files. Buy a jump drive (or other media) and make backing up
your work a routine part of computer usage. Always back up your files at the end of the laboratory session. It is particularly important to save a backup copy of any project that is submitted. This backup version should not be opened or edited after submission in case something goes wrong with the submission system.

4 Evaluation

4.1 Canvas Grade Summary

Canvas has a grade book that is used to store the raw data that is used to calculate your course grade. It is the responsibility of each student in this class to check their grades on Canvas after each lab or homework is returned. If an error is found, bring the graded document to the instructor and it will be corrected.

4.2 Grading

There are 4 components to the course grade. They are weighted as follows.

<table>
<thead>
<tr>
<th>Component</th>
<th>Percent</th>
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<tbody>
<tr>
<td>Exams (2 midterms, 1 final)</td>
<td>20</td>
</tr>
<tr>
<td>Homework / Individual Assignments</td>
<td>60</td>
</tr>
<tr>
<td>In-Class Exercises</td>
<td>10</td>
</tr>
<tr>
<td>Online Textbook Exercises</td>
<td>10</td>
</tr>
</tbody>
</table>

4.3 Course Schedule

The following is a tentative schedule for covered material and examinations.
<table>
<thead>
<tr>
<th>Week</th>
<th>Dates</th>
<th>Description</th>
<th>Notes</th>
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</thead>
<tbody>
<tr>
<td>1</td>
<td>Jan 14</td>
<td>Intro</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>Jan 16</td>
<td>Data Types, Variables &amp; Expressions</td>
<td>Homework 1, Chapter 1-3</td>
</tr>
<tr>
<td>2</td>
<td>Jan 21</td>
<td>Data Types, Variables &amp; Expressions Continued</td>
<td>Chapter 2</td>
</tr>
<tr>
<td>2</td>
<td>Jan 23</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>Jan 28</td>
<td>Conditional Logic / Branching</td>
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<tr>
<td>3</td>
<td>Jan 30</td>
<td>Conditional Logic / Branching</td>
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<tr>
<td>4</td>
<td>Feb 4</td>
<td>Lists &amp; Loops</td>
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<tr>
<td>5</td>
<td>Feb 11</td>
<td>Review &amp; homework Help</td>
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<tr>
<td>5</td>
<td>Feb 13</td>
<td></td>
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<tr>
<td>6</td>
<td>Feb 18</td>
<td>Stack &amp; Heap</td>
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<tr>
<td>6</td>
<td>Feb 20</td>
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<tr>
<td>7</td>
<td>Feb 25</td>
<td>Functions</td>
<td></td>
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<tr>
<td>7</td>
<td>Feb 27</td>
<td>Functions</td>
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<td>8</td>
<td>Mar 3</td>
<td>Error Handling</td>
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<tr>
<td>8</td>
<td>Mar 5</td>
<td>Review &amp; Homework Help</td>
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<tr>
<td>9</td>
<td>Mar 10</td>
<td>Dicts, Sets and Tuples</td>
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<tr>
<td>9</td>
<td>Mar 12</td>
<td>Files</td>
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<tr>
<td>10</td>
<td>Mar 17</td>
<td>Algorithms and Sorting</td>
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<tr>
<td>10</td>
<td>Mar 19</td>
<td>Algorithms and Sorting</td>
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<tr>
<td>11</td>
<td>Mar 24</td>
<td>List Comprehensions</td>
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<td>11</td>
<td>Mar 26</td>
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<td>12</td>
<td>Nov 5</td>
<td>GUIs</td>
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<td>Nov 7</td>
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<td>13</td>
<td>Nov 12</td>
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<td>14</td>
<td>Nov 19</td>
<td>Review &amp; Homework Help</td>
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<tr>
<td>14</td>
<td>Nov 21</td>
<td>Advanced Topics</td>
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<td>Nov 26</td>
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<td>15</td>
<td>Nov 28</td>
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<td>Thanksgiving Holiday</td>
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<tr>
<td>16</td>
<td>Dec 3</td>
<td>Advanced Topics and/or Review</td>
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<tr>
<td>16</td>
<td>Dec 5</td>
<td>Advanced Topics and/or Review</td>
<td></td>
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