Instructor: Rohit Kate  
Email: katerj@uwm.edu  
Office: EMS E333  
Office Hours: Tuesdays 1-2 pm

**Lecture:** Wednesdays 9:30AM - 10:45 AM, Location: PHY 135  
**Lab:** Mondays 9:30 AM - 10:45 AM, Location: EMS E270

**Credit:** 3 Credits

**Course Overview:** The course will be a beginner level introduction to Python programming language. It will cover decision structures, loop structures, functions, libraries and basic graphics. The course will include computing with numbers, strings and files and will also cover regular expressions and problem solving with objects. Basic software development skills will be also taught.

**Textbook**  

**Grading**  
Weekly programming assignments: 35%  
Weekly quizzes: 15%  
Weekly lab assignments: 15%  
Midterm: 15%  
Final exam: 20%

**Late submission policy:** No credit will be given for late submissions except for documented serious illness or family emergency reasons.

**Grading Scale**  
\[
\begin{array}{|c|c|}
\hline
\text{Grade} & \text{Score Range} \\
\hline
A & \geq 92 \\
A- & \geq 88 \text{ and } < 92 \\
B+ & \geq 84 \text{ and } < 88 \\
B & \geq 81 \text{ and } < 84 \\
B- & \geq 78 \text{ and } < 81 \\
C+ & \geq 75 \text{ and } < 78 \\
C & \geq 72 \text{ and } < 75 \\
C- & \geq 69 \text{ and } < 72 \\
D+ & \geq 66 \text{ and } < 69 \\
D & \geq 63 \text{ and } < 66 \\
D- & \geq 60 \text{ and } < 63 \\
F & < 60 \\
\hline
\end{array}
\]
Those auditing the course will need points equivalent to C or a better grade to pass the course.

**Syllabus & Schedule**

<table>
<thead>
<tr>
<th>Week</th>
<th>Topic</th>
<th>Reading</th>
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<tbody>
<tr>
<td>1</td>
<td>Computers and Programs</td>
<td>Chapter 1</td>
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<tr>
<td>2</td>
<td>Writing Simple Programs</td>
<td>Chapter 2</td>
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<tr>
<td>3</td>
<td>Computing with Numbers</td>
<td>Chapter 3</td>
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<tr>
<td>4</td>
<td>Objects and Graphics</td>
<td>Chapter 4</td>
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<td>5</td>
<td>Sequences: Strings, Lists and Files</td>
<td>Chapter 5</td>
</tr>
<tr>
<td>6</td>
<td>Sequences: Strings, Lists and Files</td>
<td>Chapter 5</td>
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<td>7</td>
<td>Functions</td>
<td>Chapter 6</td>
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<td>8</td>
<td>Midterm</td>
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<td>9</td>
<td>Decision Structures</td>
<td>Chapter 7</td>
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<td>10</td>
<td>Loop Structures and Booleans</td>
<td>Chapter 8</td>
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<td>11</td>
<td>Defining Classes</td>
<td>Chapter 10</td>
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<td>12</td>
<td>Data Collections</td>
<td>Chapter 11</td>
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<tr>
<td>13</td>
<td>Regular Expressions</td>
<td>Will be provided</td>
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<tr>
<td>14</td>
<td>Algorithm Design and Recursion</td>
<td>Chapter 13</td>
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<tr>
<td>15</td>
<td>Final Exam</td>
<td></td>
</tr>
</tbody>
</table>

**University Course Policy:**