### CS 3280 - Object Oriented Windows Application Development

**Summer 2014, 7:30 pm – 9:20 pm, TR, SLCC Business Building 320**  
Revision: May 14, 2014

**Instructor:** Jared N. Plumb  
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**Textbook:**  
Professional C# 2012 and .Net 4.5  
By Christian Nagel, Bill Evjen, Jay Glynn, Karl Watson, Morgan Skinner  
ISBN 9781118314425

**Overview:**  
“This course is designed to teach students how to write Windows programs in C# using the .NET environment. The student will learn how to develop programs based on Microsoft Windows Forms and the .NET Framework.” -- 2014-2015 Catalog

**Prerequisites:** CS 2420 – Introduction to Data Structures and Algorithms

**Assignments:** There will be 5 – 7 programming assignments each worth 100 points.  
*Assignments submitted late receive a 30% penalty off the final grade for up to 7 days.*

**Grading:**
- A >= 94%
- A- >= 90%
- B+ >= 87%
- B >= 84%
- B- >= 80%
- C+ >= 77%
- C >= 74%
- C- >= 70%
- D+ >= 67%
- D >= 64%
- D- >= 60%
- E < 60%

**Attendance:** Half of each class is lecture while the other half is open lab time. Attendance during lectures is expected. If you have completed the assignments, lab time is optional. However, you may miss additional topics covered during lab time related to the current assignment.

**Schedule:**

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<tr>
<th>Date</th>
<th>Chapter</th>
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<tbody>
<tr>
<td>May 6, 8</td>
<td>Chapter 1: The C# Language</td>
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<tr>
<td>May 13, 15</td>
<td>Chapter 2: Core C#</td>
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<td>May 20, 22</td>
<td>Chapter 7: Operators and Casts</td>
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<td>May 27, 29</td>
<td>Chapter 17: Visual Studio 2012</td>
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<td>June 3, 5</td>
<td>Chapter 9: Strings and Regular Expressions</td>
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<td>June 10, 12</td>
<td>Chapter 35: Core WPF</td>
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<td>June 17, 19</td>
<td>Chapter 3: Objects and Types</td>
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<td>June 24, 26</td>
<td>Chapter 4: Inheritance</td>
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<td>July 1, Ind. Day</td>
<td>Chapter 5: Generics</td>
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<td>July 8, 10</td>
<td>Chapter 6: Arrays and Tuples</td>
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<td>July 15, 17</td>
<td>Chapter 13: Asynchronous Programming</td>
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<td>July 22, Pion. Day</td>
<td>Chapter 8: Delegates, Lambda, and Events</td>
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<td>July 29, 31</td>
<td>Lab</td>
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<td>August 5, 7</td>
<td>Lab</td>
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**Learning Outcomes:**

1. Students will be able to read and understand manuals, documentation and technical literature, find and understand sources of information, and learn on their own what they need to continue to perform professionally after graduation.
2. Students will have the knowledge and the skills needed to be employable, and to be immediately and continuously productive.
3. Students will have a basic understanding of computer theory, software design and operation, project management, databases, networking and computer architecture.
4. Students will understand algorithm design and how to express and how to implement algorithms using a variety of notation, programming languages, and paradigms.
5. Students will be able to debug computer programs.

**Students with Disabilities:** Students with special needs or disabilities are encouraged to contact the Director of Disability Support Services (DSS) at 801-957-4529 for accommodations. You are not required to disclose these disabilities to your instructor, but the instructor can only accommodate official requests through the DSS.

**Cheating Policy:**  
"CS Department policy dictates that any verifiable evidence of student academic cheating, as defined and determined by the instructor, will result in: 1) an automatic failing grade for the class and 2) a report to the Dean of Students that will include the student’s name and a description of the student's dishonest conduct." - Dr. Brian Rague

*(Syllabus may change during the first two weeks of class and the schedule throughout the semester)*